

Journal Name	Publication Title	Authors	Year	Vol	Issue	From Page	To Page	Times Cited	ESI Field	ESI 10% Threshold	Top 10%	Total citations by Field for Top 10%	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Journal of Biological Chemistry	Regulation of Reticuloendothelial Iron Transporter MTP1 (Slc11a3) by Inflammation	Yang FM;Liu XB;Quinones M;Melby PC;Ghio A;Haile DJ;	2002	277	42	39786	39791	54	Biology & Biochemistry	36	Y	54						6	22	15	7	4	
Biometals	DMT1: A mammalian transporter for multiple metals.	Garrick MD;Dolan KG;Horbinski C;Ghio A;Higgins D;Porubcin M;Moore EG;Hainsworth LN;Umbreit JN;Conrad ME;Feng L;Lis A;Roth J;Singleton S;Garrick LM;	2003	16	1	41	54	48	Biology & Biochemistry	28	Y	48						2	9	13	17	7	
Free Radical Biology & Medicine	Biomarkers of Oxidative Stress Study II: Are oxidation products of lipids, proteins, and DNA markers of CCl4 poisoning?	Kadiiska MB;Gladen BC;Baird DD;Germolec D;Graham LB;Parker CE;Nyska A;Wachsman JT;Ames BN;Basu S;Brot N;FitzGerald GA;Floyd RA;George M;Heinecke JW;Hatch GE;Hensley K;Lawson JA;Marnett LJ;Morrow JD;Murray DM;Plastaras J;Roberts LJ;Rokach J;Shigenaga MK;Sohal RS;Sun J;Tice RR;Van Thiel DH;Wellner D;Walter PB;Tomer KB;Mason RP;Barrett JC;	2005	38	6	698	710	37	Biology & Biochemistry	11	Y	37									3	21	13
Journal of Biological Chemistry	Src-dependent phosphorylation of the epidermal growth factor receptor on tyrosine 845 is required for zinc-induced Ras activation	Wu WD;Graves LM;Gill GN;Parsons SJ;Samet JM;	2002	277	27	24252	24257	36	Biology & Biochemistry	36	Y	36					2	9	9	7	7	2	
FASEB Journal	Nanometer size diesel exhaust particles are selectively toxic to dopaminergic neurons: the role of microglia, phagocytosis, and NADPH oxidase	Block ML;Wu X;Pei Z;Li G;Wang T;Qin L;Wilson B;Yang J;Hong JS;Veronesi B;	2004	18	13	1618	1620	30	Biology & Biochemistry	20	Y	30									9	11	10
Free Radical Biology & Medicine	Oxidative stress and lipid mediators induced in alveolar macrophages by ultrafine particles	Beck-Speier I;Dayal N;Karg E;Maier KL;Schumann G;Schulz H;Semmler M;Takenaka S;Stettmaier K;Bors W;Ghio A;Samet JM;Heyder J;	2005	38	8	1080	1092	11	Biology & Biochemistry	11	Y	11									3	8	
								216.00		6	6	216.00											
Journal of Physical Chemistry A	OH Radical Formation from the Gas-Phase Reaction of Ozone with Terminal Alkenes and the Relationship between Structure and Mechanism	Paulson SE;Chung MY;Hasson AS;	1999	103	41	8125	8138	68	Chemistry	31	Y	68			5	14	5	15	7	8	12	2	
Journal of Physical Chemistry A	Reactive uptake of ozone by oleic acid aerosol particles: application of single-particle mass spectrometry to heterogeneous reaction kinetics	Smith GD;Woods E;DeForest CL;Baer T;Miller RE;	2002	106	35	8085	8095	61	Chemistry	23	Y	61						8	11	15	18	9	
Fuel	Identification and emission rates of molecular tracers in coal smoke particulate matter.	Oros DR;Simoneit BRT;	2000	79	5	515	536	60	Chemistry	29	Y	60			5	5	4	11	9	16	10		
Journal of Aerosol Science	Thermodynamic modeling of aqueous aerosols containing electrolytes and dissolved organic compounds	Clegg SL;Seinfeld JH;Brimblecombe P;	2001	32	6	713	738	59	Chemistry	25	Y	59				3	8	9	8	10	14	7	
Journal of Physical Chemistry A	Low-Molecular-Weight and Oligomeric Components in Secondary Organic Aerosol from the Ozonolysis of Cycloalkenes and alpha-Pinene.	Gao S;Keywood M;Ng NL;Surratt J;Varutbangkul V;Bahreini R;Flagan RC;Seinfeld JH;	2004	108	46	10147	10164	59	Chemistry	14	Y	59									15	27	17
Journal of Catalysis	On the Promotion of Ag-ZSM-5 by Cerium for the SCR of NO by Methane	Li Z;Flytzani-Stephanopoulos M;	1999	182	2	313	327	58	Chemistry	31	Y	58		1	3	8	3	13	18	7	2	3	
Analytical Chemistry	Classification of Single Particles Analyzed by ATOFMS using an Artificial Neural Network, ART-2A	Song XH;Hopke PK;Ferguson DP;Prather KA;	1999	71	4	860	865	55	Chemistry	31	Y	55			1	6	7	8	6	9	13	5	
Journal of Chemical & Engineering Data	Henry's Law Constants of Polychlorinated Biphenyl Congeners and Their Variation with Temperature	Bamford HA;Poster DL;Baker JE;	2000	45	6	1069	1074	50	Chemistry	29	Y	50				2	8	6	9	8	10	7	

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Journal of Physical Chemistry A	Mechanism of HOx Formation in the Gas-Phase Ozone-Alkene Reaction. 1. Direct, Pressure-Dependent Measurements of Prompt OH Yields	Kroll J;Clarke J;Donahue N;Anderson J;Demerjian K;	2001	105	9	1554	1560	47	Chemistry	25	Y	47				6	12	14	3	6	5	1
Analytical Chemistry	Compound identification in organic aerosols using temperature-programmed thermal desorption particle beam mass spectrometry.	Tobias HJ;Ziemann PJ;	1999	71	16	3428	3435	46	Chemistry	31	Y	46			5	7	1	10	9	8	5	1
Analytical Chemistry	Measurement of atmospheric hydrogen peroxide and hydroxymethyl hydroperoxide with a diffusion scrubber and light emitting diode-liquid core waveguide-based fluorometry	Li J;Dasgupta PK;	2000	72		5338	5347	46	Chemistry	29	Y	46				6	4	15	8	3	10	
Journal of Physical Chemistry A	Mechanism of HOx Formation in the Gas-Phase Ozone-Alkene Reaction. 2. Prompt versus Thermal Dissociation of Carbonyl Oxides to Form OH	Kroll JH;Sahay SR;Anderson JG;Demerjian KL;Donahue NM;	2001	105	18	4446	4457	45	Chemistry	25	Y	45				4	12	12	5	5	5	2
Journal of Physical Chemistry A	Detailed Kinetic Study of the Growth of Small Polycyclic Aromatic Hydrocarbons. 1. 1-Naphthyl + Ethyne	Richter H;Mazyar OA;Sumathi R;Green WH;Howard JB;Bozzelli JW;	2001	105	9	1561	1573	45	Chemistry	25	Y	45				4	6	10	8	9	7	1
Journal of Physical Chemistry A	New Rate Constants for Ten OH Alkane Reactions from 300 to 400 K: An Assessment of Accuracy	Donahue NM;Anderson JG;Demerjian KL;	1998	102	18	3121	3126	40	Chemistry	32	Y	40	2	4	2	3	5	7	4	5	6	2
Analytical Chemistry	Application of the ART-2a algorithm to laser ablation aerosol mass spectrometry of particle standards	Phares DJ;Rhoads KP;Wexler AS;Kane DB;Johnston MV;	2001	73	10	2338	2344	38	Chemistry	25	Y	38					4	10	7	8	7	2
Journal of Physical Chemistry A	Kinetic Analysis for HO2 Addition to Ethylene, Propene, and Isobutene, and Thermochemical Parameters of Alkyl Hydroperoxides and Hydroperoxide Alkyl Radicals	Chen CJ;Bozzelli JW;	2000	104	21	4997	5012	33	Chemistry	29	Y	33			2	1	5	7	6	5	4	3
Journal of Physical Chemistry A	A temperature- and composition-dependent study, of H2SO4 aerosol optical constants using Fourier transform and tunable diode laser infrared spectroscopy	Niedziela RF;Norman ML;DeForest CL;Miller RE;	1999	103	40	8030	8040	32	Chemistry	31	Y	32		1	1	2	6	6	3	7	6	
Journal of Physical Chemistry B	Investigation of Adsorbate Reactivity during NO Decomposition over Different Levels of Copper Ion-Exchanged ZSM-5 Using in Situ IR Technique	Konduru MV;Chuang SSC;	1999	103	28	5802	5813	32	Chemistry	31	Y	32		1	4	6	8	3	3	3	3	1
Journal of Catalysis	Infrared Study of NO Adsorption and Reduction with C3H6 in the Presence of O2 over CuO/Al2O3	Chi Y;Chuang SSC;	2000	190	1	75	91	30	Chemistry	29	Y	30			2	2	2	7	3	4	7	3
Journal of Physical Chemistry A	Structures, Intramolecular Rotation Barriers, and Thermochemical Properties of Radicals Derived from H Atom Loss in Mono-, Di-, and Trichloromethanol and Parent Chloromethanols	Sun H;Bozzelli JW;	2001	105	18	4504	4516	30	Chemistry	25	Y	30				2	10	10	1	4	2	1
Journal of Physical Chemistry A	OH Radical Yields from the Ozone Reaction with Cycloalkenes	Fenske JD;Kuwata KT;Houk KN;Paulson SE;	2000	104	31	7246	7254	29	Chemistry	29	Y	29				4	5	3	4	8	2	3
Analytical Chemistry	Field Measurement of Acid Gases and Soluble Anions in Atmospheric Particulate Matter using a Parallel Plate Wet Denuder and an Alternating Filter-based Automated Analysis System	Boring DG;Al-Horr R;Genfa Z;Dasgupta PK;	2002	74		1256	1268	29	Chemistry	23	Y	29						6	6	7	7	3
Field Analytical Chemistry and Technology	Measurement of atmospheric formaldehyde with a diffusion scrubber and light emitting diode-liquid core waveguide based fluorometry.	Li J;Dasgupta PK;Genfa Z;Hutterli MA;	2001	5		2	11	27	Chemistry	25	Y	27				1	3	7	3	8	4	1
International Journal of Chemical Kinetics	Kinetics and products of the reactions of selected diols with the OH radical	Bethel HL;Atkinson R;Arey J;	2001	33	5	310	316	25	Chemistry	25	Y	25				1	6	9	2	5	1	1
Analytical Chemistry	Development and characterization of an ATOFMS with increased detection efficiency	Su Y;Sipin MF;Furutani H;Prather KA;	2004	76	3	712	719	25	Chemistry	14	Y	25							1	8	13	3

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Journal of Aerosol Science	Comparison of micro- and nano-size particle deposition in a human upper airway model	Zhang Z;Kleinstreuer C;Donohue JF;Kim CS;	2005	36	2	211	233	20	Chemistry	9	Y	20									1	10	9	
Analytical Chemistry	Real-Time, On-Line Characterization of Diesel Generator Air Toxic Emissions by Resonance-Enhanced Multiphoton Ionization Time-of-Flight Mass Spectrometry	Oudejans L;Touati A;Gullett BK;	2004	76	9	2517	2524	19	Chemistry	14	Y	19							2		8	7	2	
Analytical Chemistry	Identification and Quantification of Aerosol Polar Oxygenated Compounds Bearing Carboxylic or Hydroxyl Groups. 1. Method Development	Jaoui M;Kleindienst TE;Lewandowski M;Edney EO;	2004	76	16	4765	4778	14	Chemistry	14	Y	14									2	8	4	
Faraday Discussions	Critical Factors Determining the Variation in SOA Yields from Terpene Ozonolysis: A Combined Experimental and Computational Study	Donahue NM;Huff Hartz KE;Chuong B;Presto AA;Stanier CO;Rosenhorn T;Robinson AL;Pandis SN;	2005	130		295	309	12	Chemistry	9	Y	12										1	5	6
Journal of Aerosol Science	Volatility of Indoor and Outdoor Ultrafine Particulate Matter Near a Freeway	Kuhn T;Krudysz M;Zhu Y;Fine PM;Hinds WC;Froines J;Sioutas C;	2005	36	3	291	302	10	Chemistry	9	Y	10										2	4	4
Nano Letters	Comparison of the Abilities of Ambient and Manufactured Nanoparticles To Induce Cellular Toxicity According to an Oxidative Stress Paradigm	Xia T;Kovochich M;Brant J;Hotze M;Sempf J;Oberley T;Sioutas C;Yeh J;Wiesner MR;Nel AE;	2006	6	8	1794	1807	5	Chemistry	3	Y	5												5
Analytical Chemistry	Field-Deployable, High-Resolution, Time-of-Flight Aerosol Mass Spectrometer	DeCarlo PF;Kimmel JR;Trimborn A;Northway MJ;Jayne JT;Aiken AC;Gonin M;Fuhrer K;Horvath T;Docherty KS;Worsnop DR;Jimenez JL;	2006	78	24	8281	8289	3	Chemistry	3	Y	3											1	2
Annual Review of Physical Chemistry	Aging of Organic Aerosol: Bridging the Gap Between Laboratory and Field Studies	Rudich Y;Donahue NM;Mentel TF;	2007	58		321	352	3	Chemistry	1	Y	3												3
International Journal of Mass Spectrometry	Detection of particle-phase polycyclic aromatic hydrocarbons in Mexico City using an aerosol mass spectrometer	Dzepina K;Arey J;Marr LC;Worsnop DR;Salcedo D;Zhang Q;Onasch TB;Molina LT;Molina MJ;Jimenez JL;	2007	263	2-3	152	170	1	Chemistry	1	Y	1												1
								1156.00		34		34	1156.00											
JAMA - Journal of the American Medical Association	Lung cancer, cardiopulmonary mortality and long-term exposure to fine particulate air pollution.	Pope CA;Burnett RT;Thun MJ;Calle EE;Krewski D;Ito K;Thurston GD;	2002	287	9	1132	1141	634	Clinical Medicine	27	Y	634					24	95	112	164	157		82	
Circulation	Increased Particulate Air Pollution and the Triggering of Myocardial Infarction	Peters A;Dockery DW;Muller JE;Mittleman M;	2001	103	23	2810	2815	249	Clinical Medicine	32	Y	249				1	28	29	35	72	59		25	
Circulation	Ambient pollution and heart rate variability	Gold DR;Litonjua A;Schwartz J;Lovett E;Larson A;Nearing B;Allen G;Verrier M;Cherry R;Verrier R;	2000	101	11	1267	1273	216	Clinical Medicine	36	Y	216			9	28	25	25	38	42	34		15	
American Journal of Respiratory and Critical Care Medicine	Long-term inhalable particles and other air pollutants related to mortality in nonsmokers	Abbey DE;Nishino N;McDonnell WF;Burchette RJ;Knutsen SF;Beeson WL;Yang JX;	1999	159	2	373	382	187	Clinical Medicine	39	Y	187		3	27	21	23	26	26	25	27		9	
Circulation	Cardiovascular mortality and long-term exposure to particulate air pollution: Epidemiological evidence of general pathophysiological pathways of disease	Pope CA;Burnett RT;Thurston G;Thun MJ;Calle EE;Krewski D;Godleski J;	2004	109	1	71	77	131	Clinical Medicine	16	Y	131								6	44	54	27	
Epidemiology	Fine particles are more strongly associated than coarse particles with acute respiratory health effects in schoolchildren	Schwartz J;Neas LM;	2000	11	1	6	10	120	Clinical Medicine	36	Y	120			7	7	18	22	20	17	17		12	
American Journal of Respiratory and Critical Care Medicine	A Study of Twelve Southern California Communities with Differing Levels and Types of Air Pollution . I. Prevalence of Respiratory Morbidity	Peters JM;Avol E;Navidi W;London SJ;Gauderman WJ;Lurmann F;Linn WS;Margolis H;Rappaport E;Gong H;Thomas DC;	1999	159	3	760	767	118	Clinical Medicine	39	Y	118		3	13	10	22	17	14	13	15		11	
American Journal of Respiratory and Critical Care Medicine	Concentrated ambient air particles induce mild pulmonary inflammation in healthy human volunteers	Ghio AJ;Kim C;Devlin RB;	2000	162	3	981	988	107	Clinical Medicine	36	Y	107				6	11	18	20	21	23		8	

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Current Opinion in Pulmonary Medicine	The role of particulate pollutants in pulmonary inflammation and asthma: Evidence for the involvement of organic chemicals and oxidative stress	Nel AE;Diaz-Sanchez D;Li N;	2001	7	1	20	26	106	Clinical Medicine	32	Y	106				4	13	16	20	25	18	10	
Thorax	Relation of body mass index to asthma and atopy in children: the National Health and Nutrition Examination Study III.	von Mutius E;Schwartz J;Neas LM;Dockery D;Weiss ST;	2001	56	11	835	838	99	Clinical Medicine	32	Y	99					4	11	23	19	32	10	
American Journal of Respiratory Cell and Molecular Biology	Air pollution particles induce IL-6 gene expression in human airway epithelial cells via NF-kappaB activation	Quay JL;Reed W;Samet J;Devlin RB;	1998	19	1	98	106	94	Clinical Medicine	41	Y	94	1	7	21	10	17	10	8	10	6	4	
Journal of Toxicology and Environmental Health Part A	Extrapulmonary Translocation of Ultrafine Carbon Particles Following Whole-body Inhalation Exposure of Rats	Oberdorster G;Sharp Z;Atudorei V;Elder ACP;Gelein R;Lunts A;Kreyling W;Cox C;	2002	65	20	1531	1543	94	Clinical Medicine	27	Y	94					1	4	17	26	33	13	
New England Journal of Medicine	Exposure to traffic and the onset of myocardial infarction	Peters A;von Klot S;Heier M;Trentinaglia I;Hormann A;Wichmann HE;Lowel H;	2004	351	17	1721	1730	89	Clinical Medicine	16	Y	89							1	27	35	26	
American Journal of Respiratory and Critical Care Medicine	Inflammatory lung injury after bronchial instillation of air pollution particles	Ghio AJ;Devlin RB;	2001	164	4	704	708	83	Clinical Medicine	32	Y	83				1	7	16	16	22	13	8	
American Journal of Physiology Lung Cellular and Molecular Physiology	Activation of MAPKs in human bronchial epithelial cells exposed to metals	Samet JM;Graves LM;Quay J;Dailey LA;Devlin RB;Ghio AJ;Wu W;Bromberg PA;Reed W;	1998	275	3	551	558	82	Clinical Medicine	41	Y	82		5	16	13	19	10	7	4	7	1	
Journal of Clinical Investigation	Allergic lung responses are increased in prostaglandin H synthase-deficient mice	Gavett SH;Madison SL;Chulada PC;Scarborough PE;Qu W;Boyle JE;Tiano HF;Lee CA;Langenbach R;Roggli VL;Zeldin DC;	1999	104	6	721	732	80	Clinical Medicine	39	Y	80			6	11	15	8	10	10	11	9	
American Journal of Physiology Lung Cellular and Molecular Physiology	Activation of the EGF receptor signaling pathway in human airway epithelial cells exposed to metals	Wu WD;Graves LM;Jaspers I;Devlin RB;Reed W;Samet JM;	1999	277	5	L924	L931	75	Clinical Medicine	39	Y	75			3	8	14	16	9	10	12	3	
Lancet	Effect of air-pollution control on death rates in Dublin, Ireland: an intervention study	Clancy L;Goodman P;Sinclair H;Dockery DW;	2002	360	9341	1210	1214	75	Clinical Medicine	27	Y	75						2	8	14	19	20	12
American Journal of Respiratory Cell and Molecular Biology	Copper-dependent inflammation and nuclear factor-kappaB activation by particulate air pollution	Kennedy T;Ghio AJ;Reed W;Samet J;Zagorski J;Quay J;Carter J;Dailey L;Hoidal JR;Devlin RB;	1998	19	3	366	378	74	Clinical Medicine	41	Y	74		8	15	10	5	11	10	4	8	3	
Circulation	Particulate air pollution and risk of ST-segment depression during repeated submaximal exercise tests among subjects with coronary heart disease: the Exposure and Risk Assessment for Fine and Ultrafine Particles in Ambient Air (ULTRA) study	Pekkanen J;Peters A;Hoek G;Tiittanen P;Brunekreef B;de Hartog J;Heinrich J;Ibald-Mulli A;Kreyling WG;Lanki T;Timonen KL;Vanninen E;	2002	106	8	933	938	73	Clinical Medicine	27	Y	73						1	7	17	21	23	4
Journal of Toxicology and Environmental Health Part A	Translocation of ultrafine insoluble iridium particles from lung epithelium to extrapulmonary organs is size dependent but very low.	Kreyling WG;Semmler M;Erbe F;Mayer P;Takenaka S;Schulz H;Oberdorster G;Ziesenis A;	2002	65	20	1513	1530	72	Clinical Medicine	27	Y	72						1	1	13	16	27	14
American Journal of Respiratory and Critical Care Medicine	Lung inflammation induced by concentrated ambient air particles is related to particle composition	Saldiva PH;Clarke RW;Coul BA;Stearns RC;Lawrence J;Krishna Murthy GG;Diaz E;Koutrakis P;Suh H;Tsuda A;Godleski JJ;	2002	165	12	1610	1617	63	Clinical Medicine	27	Y	63						2	11	10	17	17	6
American Journal of Respiratory and Critical Care Medicine	Antioxidant supplementation and lung functions among children with asthma exposed to high levels of air pollutants.	Romieu I;Sienra-Monge JJ;Ramirez-Aguilar M;Tellez-Rojo MM;Moreno-Macias H;Reyes-Ruiz NI;del Rio-Navarro BE;Ruiz-Navarro MX;Hatch G;Slade R;Hernandez-Avila M;	2002	166		703	709	61	Clinical Medicine	27	Y	61							6	18	18	12	7
Journal of Toxicology and Environmental Health Part A	Analysis of air pollution particulate-mediated oxidant stress in alveolar macrophages	Goldsmith CA;Imrich A;Danaee H;Ning YY;Kobzik L;	1998	54	7	529	545	60	Clinical Medicine	41	Y	60		5	6	3	14	8	12	2	5	5	
Journal of Aerosol Medicine	Acute health effects of ambient air pollution: the ultrafine particle hypothesis	Utell MJ;Frampton MW;	2000	13	4	355	359	60	Clinical Medicine	36	Y	60				1	3	9	11	19	14	3	
Circulation	Association of Heart Rate Variability With Occupational and Environmental Exposure to Particulate Air Pollution	Magari SR;Hauser R;Schwartz J;Williams PL;Smith TJ;Christiani DC;	2001	104	9	986	991	57	Clinical Medicine	32	Y	57						3	5	15	18	10	6

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American Journal of Respiratory Cell and Molecular Biology	Inhaled particulate matter causes expression of nuclear factor (NF)-kappaB-related genes and oxidant-dependent NF-kappaB activation in vitro	Shukla A;Timblin C;BeruBe K;Gordon T;McKinney W;Driscoll K;Vacek P;Mossman BT;	2000	23	2	182	187	55	Clinical Medicine	36	Y	55				6	12	7	11	3	10	6
Epidemiology	Referent selection in case-crossover analyses of acute health effects of air pollution	Levy D;Lumley T;Sheppard L;Kaufman J;Checkoway H;	2001	12	2	186	192	53	Clinical Medicine	32	Y	53				2	1	8	7	14	10	11
Journal of Toxicology and Environmental Health Part A	Environmental particulate-mediated cytokine production in lung epithelial cells: role of preexisting inflammation and oxidant stress	Stringer B;Kobzik L;	1998	55	1	31	44	52	Clinical Medicine	41	Y	52	5	7	4	7	7	10	4	7	1	
Epidemiology	Particulate and ozone pollutant effects on the respiratory function of children in southwest Mexico City	Gold DR;Damokosh AI;Pope CA;Dockery DW;McDonnell WF;Serrano P;Retama A;Castillejos M;	1999	10	1	8	16	51	Clinical Medicine	39	Y	51	2	11	8	12	6	6			5	1
American Journal of Respiratory and Critical Care Medicine	Long-term particulate and other air pollutants and lung function in nonsmokers	Abbey DE;Burchette RJ;Knutsen SF;McDonnell WF;Lebowitz MD;Enright PL;	1998	158	1	289	298	49	Clinical Medicine	41	Y	49	5	6	7	10	7	5	6	2	1	
American Journal of Physiology Lung Cellular and Molecular Physiology	Effects of aqueous extracts of PM(10) filters from the Utah valley on human airway epithelial cells	Frampton MW;Ghio AJ;Samet JM;Carson JL;Carter JD;Devlin RB;	1999	277	5	960	967	48	Clinical Medicine	39	Y	48		4	6	6	7	4	10	9	2	
American Journal of Physiology Lung Cellular and Molecular Physiology	Role of soluble metals in oil fly ash-induced airway epithelial injury and cytokine gene expression.	Dye JA;Adler KB;Richards JH;Dreher KL;	1999	277	21	L498	L510	48	Clinical Medicine	39	Y	48		2	2	8	10	12	6	5	3	
Epidemiology	A case-crossover analysis of particulate matter air pollution and out-of-hospital primary cardiac arrest	Levy D;Sheppard L;Checkoway H;Kaufman J;Lumley T;Koenig J;Siscovick D;	2001	12	2	193	199	46	Clinical Medicine	32	Y	46			2	3	9	6	15	8	3	
Epidemiology	The Time Course of Weather Related Deaths	Braga AL;Zanobetti A;Schwartz J;Zanobetti A;Schwartz J;Samoli E;Gryparis A;Touloumi G;Atkinson R;Le TA;Bobros J;Celko M;Goren A;Forsberg B;Michelozzi P;Rabczenko D;Aranguiz RE;Katsouyanni K;	2001	12	6	662	667	46	Clinical Medicine	32	Y	46					2	5	7	15	10	7
Epidemiology	The temporal pattern of mortality responses to air pollution: a multicity assessment of mortality displacement	Braga AL;Zanobetti A;Schwartz J;Zanobetti A;Schwartz J;Samoli E;Gryparis A;Touloumi G;Atkinson R;Le TA;Bobros J;Celko M;Goren A;Forsberg B;Michelozzi P;Rabczenko D;Aranguiz RE;Katsouyanni K;	2002	13	1	87	93	46	Clinical Medicine	27	Y	46				4	10	12	7	11	2	
American Journal of Respiratory Cell and Molecular Biology	Airway epithelial cells release MIP-3alpha / CCL20 in response to cytokines and ambient particulate matter	Reibman J;Hsu Y;Chen LC;Bleck B;Gordon T;	2003	28	6	648	654	45	Clinical Medicine	22	Y	45						2	9	11	14	9
Epidemiology	Is There Harvesting in the Association of Airborne Particles with Daily Deaths and Hospital Admissions?	Schwartz J;	2001	12	1	55	61	44	Clinical Medicine	32	Y	44			1	9	10	8	5	8	3	
American Journal of Respiratory Cell and Molecular Biology	Induction of the lung myofibroblast PDGF receptor system by urban ambient particles from Mexico City.	Bonner JC;Rice AB;Lindroos PM;O'Brien PO;Dreher KL;Rosas I;Alfaro-Moreno E;Osornio-Vargas ARO;	1998	19	4	672	680	43	Clinical Medicine	41	Y	43	2	8	6	8	4	4			6	5
American Journal of Respiratory and Critical Care Medicine	Ultrafine particle deposition and clearance in the healthy and obstructed lung	Brown JS;Zeman KL;Bennett WD;	2002	166	9	1240	1247	41	Clinical Medicine	27	Y	41					2	6	8	18	7	
American Journal of Physiology Lung Cellular and Molecular Physiology	Tyrosine phosphatases as targets in metal-induced signaling in human airway epithelial cells	Samet JM;Silbajoris R;Wu W;Graves LM;	1999	21	3	357	364	39	Clinical Medicine	39	Y	39		6	6	7	5	1	6	5	3	
American Journal of Respiratory and Critical Care Medicine	Are diabetics more susceptible to the health effects of airborne particles?	Zanobetti A;Schwartz J;	2001	164	5	831	833	39	Clinical Medicine	32	Y	39				7	6	9	8	6	3	
Journal of Aerosol Medicine	Epidemiological evidence on health effects of ultrafine particles	Ibald-Mulll A;Wichmann HE;Kreyling W;Peters A;	2002	15	2	189	201	39	Clinical Medicine	27	Y	39					1	3	16	12	7	
Journal of Toxicology and Environmental Health Part A	Alveolar macrophage cytokine production in response to air particles in vitro: role of endotoxin	Ning Y;Imrich A;Goldsmith CA;Qin G;Kobzik L;	2000	59	3	165	180	38	Clinical Medicine	36	Y	38			5	8	7	5	3	5	5	
American Journal of Respiratory and Critical Care Medicine	Respiratory Effects of Relocating to Areas of Differing Air Pollution Levels	Avol EL;Gauderman WJ;Tan SM;London SJ;Peters JM;	2001	164	11	2067	2072	37	Clinical Medicine	32	Y	37				3	8	12	4	8	2	
Journal of Occupational and Environmental Medicine	The Lag Structure Between Particulate Air Pollution and Respiratory and Cardiovascular Deaths in Ten US Cities	Braga AL;Zanobetti A;Schwartz J;	2001	43	11	927	933	37	Clinical Medicine	32	Y	37					3	12	7	12	3	
American Journal of Epidemiology	Modifiers of the Temperature and Mortality Association in Seven US Cities	O'Neill MS;Zanobetti A;Schwartz J;	2003	157	12	1074	1082	37	Clinical Medicine	22	Y	37						1		11	18	7



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Epidemiology	Ambient air pollution and respiratory emergency department visits.	Peel JL;Tolbert PE;Klein M;Metzger KB;Flanders WD;Todd K;Mulholland JA;Ryan PB;Frumkin H;	2005	16	2	164	174	24	Clinical Medicine	9	Y	24									16	8		
Epidemiology	Ambient Gas Concentrations and Personal Particulate Matter Exposures: Implications for Studying the Health Effects of Particles	Sarnat JA;Brown KW;Schwartz J;Coull BA;Koutrakis P;	2005	16	3	385	395	22	Clinical Medicine	9	Y	22									5	13	4	
Journal of Allergy and Clinical Immunology	The role of air pollution in asthma and other pediatric morbidities	Trasande L;Thurston GD;	2005	115	4	689	699	21	Clinical Medicine	9	Y	21									2	12	7	
Thorax	Traffic related pollution and heart rate variability in a panel of elderly subjects	Schwartz J;Litonjua A;Suh H;Verrier M;Zanobetti A;Syring M;Nearing B;Verrier R;Stone P;MacCallum G;Speizer FE;Gold DR;	2005	60	6	455	461	21	Clinical Medicine	9	Y	21									1	11	9	
American Journal of Respiratory and Critical Care Medicine	Reduction in Fine Particulate Air Pollution and Mortality: Extended Follow-up of the Harvard Six Cities Study	Laden F;Schwartz J;Speizer FE;Dockery DW;	2006	173	6	667	672	21	Clinical Medicine	3	Y	21										11	10	
Circulation	Ambient air pollution is associated with increased risk of hospital cardiac readmissions of myocardial infarction survivors in five European cities	von Klot S;Peters A;Aalto P;Bellander T;Berglund N;D'Ippoliti D;Elosua R;Hormann A;Kulmala M;Lanki T;Lowel H;Pekkanen J;Picciotto S;Sunyer J;Forastiere F;	2005	112	20	3073	3079	20	Clinical Medicine	9	Y	20											11	9
Epidemiology	Relation between short-term fine particulate matter exposure and onset of myocardial infarction	Sullivan J;Sheppard L;Schreuder A;Ishikawa N;Siscovick D;Kaufman J;	2005	16	1	41	48	19	Clinical Medicine	9	Y	19										9	5	5
Epidemiology	Exposure to Ambient and Nonambient Components of Particulate Matter: A Comparison of Health Effects	Ebelst ST;Wilson WE;Brauer M;	2005	16	3	396	405	18	Clinical Medicine	9	Y	18									3	11	4	
Epidemiology	Childhood Asthma and Exposure to Traffic and Nitrogen Dioxide	Gauderman WJ;Avol E;Lurmann F;Kuenzli N;Gilliland F;Peters J;McConnell R;	2005	16	6	737	743	18	Clinical Medicine	9	Y	18										9	9	
Epidemiology	Case-crossover analyses of air pollution exposure data: referent selection strategies and their implications for bias	Janes H;Sheppard L;Lumley T;	2005	16	6	717	726	17	Clinical Medicine	9	Y	17									1	9	7	
Epidemiology	Associations between ozone and daily mortality: analysis and meta-analysis	Ito K;De Leon SF;Lippmann M;	2005	16	4	446	457	16	Clinical Medicine	9	Y	16									3	11	2	
American Journal of Respiratory and Critical Care Medicine	How Sensitive Is the Association between Ozone and Daily Deaths to Control for Temperature?	Schwartz J;	2005	171	6	627	631	16	Clinical Medicine	9	Y	16									2	13	1	
American Journal of Respiratory and Critical Care Medicine	Glutathione-S-Transferase M1, Obesity, Statins, and Autonomic Effects of Particles: Gene-by-Drug-by-Environment Interaction	Schwartz J;Park SK;O'Neill MS;Vokonas PS;Sparrow D;Weiss S;Kelsey K;	2005	172	12	1529	1533	15	Clinical Medicine	9	Y	15									2	8	5	
Stroke	Air Pollution and Hospital Admissions for Ischemic and Hemorrhagic Stroke Among Medicare Beneficiaries	Wellenius GA;Schwartz J;Mittleman MA;	2005	36	12	2549	2553	15	Clinical Medicine	9	Y	15										8	7	
Thorax	Association between short term exposure to fine particulate matter and heart rate variability in older subjects with and without heart disease	Sullivan JH;Schreuder AB;Trenga CA;Liu LS;Larson TV;Koenig JQ;Kaufman JD;	2005	60	6	462	466	13	Clinical Medicine	9	Y	13									2	6	5	
American Journal of Respiratory and Critical Care Medicine	Air pollution and markers of inflammation and coagulation in patients with coronary heart disease	Ruckerl R;Ibald-Mulli A;Koenig W;Schneider A;Woelke G;Cyrys J;Heinrich J;Marder V;Frampton M;Wichmann HE;Peters A;	2006	173	4	432	441	13	Clinical Medicine	3	Y	13										7	6	
American Journal of Physiology - Lung Cellular and Molecular Physiology	Diesel exhaust activates redox-sensitive transcription factors and kinases in human airways	Pourazar J;Mudway IS;Samet JM;Helleday R;Blomberg A;Wilson SJ;Frew AJ;Kelly FJ;Sandstrom T;	2005	289	5	L724	L730	12	Clinical Medicine	9	Y	12										1	6	5
American Journal of Epidemiology	Association of Short-term Ambient Air Pollution Concentrations and Ventricular Arrhythmias	Rich DQ;Schwartz J;Mittleman MA;Link M;Luttmann-Gibson H;Catalano PJ;Speizer FE;Dockery DW;	2005	161	12	1123	1132	11	Clinical Medicine	9	Y	11										1	8	2

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New England Journal of Medicine	Long-Term Exposure to Air Pollution and Incidence of Cardiovascular Events in Women	Miller KA;Siscovick DS;Sheppard L;Shepherd K;Sullivan JH;Anderson GL;Kaufman JD;	2007	356	5	447	458	5	Clinical Medicine	1	Y	5										5	
American Journal of Physiology - Lung Cellular and Molecular Physiology	Zn2+-induced IL-8 expression involves AP-1, JNK, and ERK activities in human airway epithelial cells	Kim YM;Reed W;Wu W;Bromberg PA;Graves LM;Samet JM;	2006	290	5	L1028	L1035	4	Clinical Medicine	3	Y	4										2	2
American Journal of Epidemiology	Reproducible Epidemiologic Research	Peng RD;Dominici F;Zeger SL;	2006	163	9	783	789	3	Clinical Medicine	3	Y	3											3
American Journal of Epidemiology	Individual-level modifiers of the effects of particulate matter on daily mortality	Zeka A;Zanobetti A;Schwartz J;	2006	163	9	849	859	3	Clinical Medicine	3	Y	3											3
International Journal of Epidemiology	Inflammatory markers and particulate air pollution: characterizing the pathway to disease	Zeka A;Sullivan JR;Vokonas PS;Sparrow D;Schwartz J;	2006	35	5	1347	1354	3	Clinical Medicine	3	Y	3										1	2
Journal of Allergy and Clinical Immunology	Biological material on inhaled coarse fraction particulate matter activates airway phagocytes in vivo in healthy volunteers	Alexis NE;Lay JC;Zeman K;Bennett WE;Peden DB;Soukup JM;Devlin RB;Becker S;	2006	117	6	1396	1403	3	Clinical Medicine	3	Y	3											3
Journal of Thrombosis and Haemostasis	Effects of exposure to air pollution on blood coagulation	Baccarelli A;Zanobetti A;Martinelli I;Grillo P;Hou L;Giacomini S;Bonzini M;Lanzani G;Mannucci PM;Bertazzi PA;Schwartz J;	2007	5	2	252	260	2	Clinical Medicine	1	Y	2											2
The Lancet	Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study	Gauderman WJ;Vora H;McConnell R;Berhane K;Gilliland F;Thomas D;Lurmann F;Avol E;Kunzli N;Jerrett M;Peters J;	2007	369	9561	571	577	1	Clinical Medicine	1	Y	1											1
								4970.00		91		4970.00											
Journal of the Royal Statistical Society: Series A (Statistics in Society)	Model choice in time series studies of air pollution and mortality	Peng RD;Dominici F;Louis TA;	2006	169	2	179	203	7	Economics & Business	2	Y	7										3	4
								7.00		1		7.00											
Progress in Energy and Combustion Science	Formation of Polycyclic Aromatic Hydrocarbons and their Growth to Soot - A Review of Chemical Reaction Pathways	Richter H;Howard JB;	2000	26	4-6	565	608	209	Engineering	13	Y	209				14	16	28	31	56	40	24	
Aerosol Science and Technology	Development of an Aerosol Mass Spectrometer for Size and Composition Analysis of Submicron Particles	Jayne JT;Leard DC;Zhang X;Davidovits P;Smith KA;Kolb CE;Worsnop DR;	2000	33	1-2	49	70	207	Engineering	13	Y	207			1	6	9	18	42	39	63	29	
Journal of the Air & Waste Management Association	Concentration and Size Distribution of Ultrafine Particles near a Major Highway	Zhu YF;Hinds WC;Kim S;Sioutas C;	2002	52	9	1032	1042	130	Engineering	10	Y	130						6	28	35	40	21	
Aerosol Science and Technology	A particle-into-liquid collector for rapid measurement of aerosol bulk chemical composition	Weber RJ;Orsini D;Daun YN;Klotz PJ;Brechtel F;	2001	35	3	718	727	105	Engineering	12	Y	105					7	23	27	12	23	13	
Aerosol Science and Technology	Measurement of Atlanta aerosol size distributions: Observations of ultrafine particle events	Woo KS;Chen DR;Pui DYH;McMurry PH;	2001	34	1	75	87	92	Engineering	12	Y	92				2	10	11	22	23	14	10	
Journal of the Air & Waste Management Association	Characterization of indoor particle sources using continuous mass and size monitors	Long CM;Suh HH;Koutrakis P;	2000	50	7	1236	1250	78	Engineering	13	Y	78				3	13	12	14	18	15	3	
Journal of the Air & Waste Management Association	Assessing the Relationship between Personal Particulate and Gaseous Exposures of Senior Citizens Living in Baltimore	Sarnat JA;Koutrakis P;Suh H;	2000	50	7	1184	1198	75	Engineering	13	Y	75				5	16	12	9	17	9	7	
Aerosol Science and Technology	The relationship between mass and mobility for atmospheric particles: A new technique for measuring particle density	McMurry PH;Wang X;Park K;Ehara K;	2002	36	2	227	238	63	Engineering	10	Y	63					2	13	15	9	12	12	
Aerosol Science and Technology	East versus West in the US: Chemical Characteristics of PM2.5 during the Winter of 1999.	Tolocka MP;Solomon PA;Mitchell WA;Norris GA;Gemmill DB;Wiener RW;Vanderpool RW;Homolya JB;Rice J;	2001	34	1	88	96	57	Engineering	12	Y	57				1	2	6	15	12	14	7	
Aerosol Science and Technology	Chase Studies of Particulate Emissions from in-use New York City Vehicles	Canagaratna M;Jayne JT;Ghertner D;Herndon S;Shi Q;Jimenez JL;Silva PJ;Williams P;Lanni T;Drewnick F;Demerjian KL;Kolb C;Worsnop D;	2004	38	6	555	573	55	Engineering	6	Y	55								6	18	25	6
Aerosol Science and Technology	Simulation of aerosol dynamics: a comparative review of algorithms used in air quality models.	Zhang Y;Seigneur C;Seinfeld JH;Jacobson MZ;Binkowski FS;	1999	31	6	487	514	54	Engineering	14	Y	54			1	3	10	5	15	7	12	1	



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Aerosol Science and Technology	Real-time chemical analysis of organic aerosols using a thermal desorption particle beam mass spectrometer	Tobias HJ;Kooiman PM;Docherty KS;Ziemann PJ;	2000	33	1-2	170	190	52	Engineering	13	Y	52			1	5	4	6	9	12	14	1
Journal of the Air & Waste Management Association	Estimating separately personal exposure to ambient and non-ambient particulate matter for epidemiology and risk assessment; why and how	Wilson WE;Mage DT;Grant LD;	2000	50	7	1167	1183	45	Engineering	13	Y	45			1	5	6	5	5	12	10	1
Journal of the Air & Waste Management Association	Trends in fine particle concentration and chemical composition in southern California	Christoforou CS;Salmon LG;Hannigan MP;Solomon PA;Cass GR;	2000	50		43	53	43	Engineering	13	Y	43				7	7	6	6	8	6	3
Aerosol Science and Technology	Comparison of Sampling Methods for Semi-volatile Organic Carbon Associated with PM2.5	Lewtas J;Pang Y;Booth D;Reimer S;Eatough DJ;Gundel LA;	2001	34	1	9	22	42	Engineering	12	Y	42				1	10	10	11	4	6	
Aerosol Science and Technology	High speed particle beam generation: a dynamic focusing mechanism for selecting ultrafine particles.	Mallina RV;Wexler AS;Rhoads KP;Johnston MV;	2000	33	1-2	87	104	41	Engineering	13	Y	41			2	3	6	8	7	5	7	3
Aerosol Science and Technology	A numerical characterization of particle beam collimation by an aerodynamic lens-nozzle system: Part I. an individual lens or nozzle.	Zhang X;Smith KA;Worsnop DR;Jimenez J;Jayne JT;Kolb CE;	2002	36	5	617	631	40	Engineering	10	Y	40						3	14	8	11	4
Aerosol Science and Technology	Positive and negative artifacts in particulate organic carbon measurements with denuded and undenuded sampler configurations	Subramanian R;Khlystov AY;Cabada Amaya JC;Robinson AL;	2004	38	S1	27	48	39	Engineering	6	Y	39							3	7	23	6
Aerosol Science and Technology	Characterization of indoor-outdoor aerosol concentration relationships during the Fresno PM exposure studies.	Vette AF;Rea AW;Lawless PA;Rodes CE;Evans G;Highsmith VR;Sheldon L;	2001	34	1	118	126	38	Engineering	12	Y	38					5	6	9	13	4	1
Journal of the Air & Waste Management Association	Size distribution and diurnal and seasonal trends of ultrafine particles in source and receptor sites of the Los Angeles basin	Kim S;Shen S;Sioutas C;Zhu Y;Hinds W;	2002	52	3	297	307	37	Engineering	10	Y	37						1	11	14	7	4
Aerosol Science and Technology	Correlations of Personal Exposure to Particles with Outdoor Air Measurements: A Review of Recent Studies	Wallace L;	2000	32	1	15	25	35	Engineering	13	Y	35			3	5	4	4	5	9	5	
Aerosol Science and Technology	Cyclic micron-size particle inhalation and deposition in a triple bifurcation lung airway model.	Zhang Z;Kleinstreuer C;Kim CS;	2002	33	2	257	281	34	Engineering	10	Y	34					3	8	6	5	6	6
Aerosol Science and Technology	Measurement of ambient aerosol composition during the PMTACS-NY 2001 campaign using an aerosol mass spectrometer. Part I: Mass concentrations	Drewnick F;Schwab JJ;Jayne JT;Canagaratna M;Worsnop DR;Demerjian KL;	2004	38	S1	92	103	34	Engineering	6	Y	34							10	8	9	7
Aerosol Science and Technology	Penetration of ambient fine particles into the indoor environment	Mosley RB;Greenwell DJ;Sparks LE;Guo Z;Tucker WG;Fortmann R;Whitfield C;	2001	34	1	127	136	33	Engineering	12	Y	33				1	3	10	7	8	4	
Aerosol Science and Technology	Nucleation events during the Pittsburgh Air Quality Study: Description and relation to key meteorological, gas phase, and aerosol parameters	Stanier CO;Khlystov AY;Pandis SN;	2004	38	S	253	264	33	Engineering	6	Y	33							3	11	11	8
Aerosol Science and Technology	Deposition characteristics of aerosol particles in sequentially bifurcating airway models.	Kim CS;Fisher DM;	1999	31	2-3	198	220	32	Engineering	14	Y	32			2	6	6	2	2	4	5	5
Journal of the Air & Waste Management Association	Comparison of Particle Size Distributions and Elemental Partitioning from the Combustion of Pulverized Coal and Residual Fuel Oil	Linak WP;Miller CA;Wendt JOL;	2000	50		1532	1544	32	Engineering	13	Y	32			2	1	8	3	5	7	3	3
Aerosol Science and Technology	Evaluation of the measurement performance of the scanning mobility particle sizer and aerodynamic particle sizer.3	Sioutas C;Abt E;Wolfson JM;Koutrakis P;	1999	30	1	84	92	31	Engineering	14	Y	31			5	5	5	4	3	3	4	2
Journal of the Air & Waste Management Association	Sources of atmospheric carbonaceous particulate matter in Pittsburgh, Pennsylvania	Cabada JC;Pandis SN;Robinson AL;	2002	52	6	732	741	31	Engineering	10	Y	31						3	5	9	10	4
Journal of the Air & Waste Management Association	Source apportionment of Phoenix PM2.5 aerosol with the Unmix receptor model	Lewis CW;Norris GA;Conner TL;Henry RC;	2003	53	3	325	338	31	Engineering	8	Y	31						4	8	4	12	3

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Waste Management Research	Sorption of mercury species by activated carbons and calcium-based sorbents: effect of temperature, mercury concentration and acid gases	Ghorishi B;Gullett BK;	1998	16	6	582	593	30	Engineering	15	Y	30		1	2	3	6	2	6	2	4	4	
Journal of the Air & Waste Management Association	Guidance for the performance evaluation of three-dimensional air quality modeling systems for particulate matter and visibility.	Seigneur C;Pun B;Pai P;Louis J;Solomon PA;Emery C;Morris R;Zahniser MS;Worsnop DR;Koutrakis P;White W;Tombach I;	2000	50	4	588	599	30	Engineering	13	Y	30				2	4		6	4	12	2	
Journal of the Air & Waste Management Association	Marginal PM2.5. Nonlinear aerosol mass response to sulfate reductions in the Eastern United States	West JJ;Ansari AS;Pandis SN;	1999	49	12	1415	1424	28	Engineering	14	Y	28			1	1	5	2	8	4	3	4	
Journal of the Air & Waste Management Association	Use of a continuous nephelometer to measure personal exposure to particles during the U.S. Environmental Protection Agency Baltimore and Fresno Panel studies	Howard-Reed C;Rea AW;Zufall MJ;Burke JM;Williams RW;Suggs JC;Sheldon LS;Walsh D;Kwok R;	2000	50	7	1125	1132	28	Engineering	13	Y	28				5	3	6	4	5	4	1	
Journal of the Air & Waste Management Association	A study of gas-phase mercury speciation using detailed chemical kinetics	Edwards JR;Srivastava RK;Kilgrove JD;	2001	51	6	869	877	28	Engineering	12	Y	28					1	5	10	4	6	2	
Journal of the Air & Waste Management Association	Assessment of human exposure to ambient particulate matter	Mage D;Wilson W;Hasselblad V;Grant L;	1999	49	11	1280	1291	27	Engineering	14	Y	27			8	4	3	1	2	6	3		
Aerosol Science and Technology	Continuous determination of PM2.5 mass, including semi-volatile species	Eatough DJ;Eatough NL;Obeidi F;Pang Y;Modey WK;Long R;	2001	34	1	1	8	27	Engineering	12	Y	27				1	5	4	8	6	3		
Journal of Fluid Mechanics	Flow structures and particle deposition patterns in double bifurcation airway models: Part 2. Aerosol transport and deposition.	Comer JK;Kleinstreuer C;Kim CS;	2001	435		55	80	27	Engineering	12	Y	27				1	4	4	5	3	7	3	
Chemometrics and Intelligent Laboratory Systems	Comparing a new algorithm with the classic methods for estimating the number of factors	Henry RC;Park ES;Spiegelman CH;	1999	48	1	91	97	26	Engineering	14	Y	26			2	4	7	5	3	1	3	1	
Journal of the Air & Waste Management Association	Influence of Baltimore's urban atmosphere on organic contaminants over the northern Chesapeake Bay	Offenberg JH;Baker JE;	1999	49	8	959	965	26	Engineering	14	Y	26			3	3	7	2	5	3	2	1	
Aerosol Science and Technology	Determination of Four Quinones in Diesel Exhaust Particles, SRM 1649a and Atmospheric PM2.5	Cho A;Di Stefano E;You Y;Rodriguez C;Schmitz D;Kumagai Y;Miguel A;Eiguren-Fernandez A;Kobayashi T;Avol E;Froines J;	2004	38	S1	68	81	26	Engineering	6	Y	26								4	8	11	3
Aerosol Science and Technology	Measurement of ambient aerosol composition during the PMTACS-NY 2001 campaign using an aerosol mass spectrometer. Part II: Chemically speciated mass distribution	Drewnick F;Jayne JT;Canagaratna M;Worsnop DR;Demerjian KL;	2004	38	S1	104	117	25	Engineering	6	Y	25								7	6	8	4
Aerosol Science and Technology	MADM - A new multicomponent aerosol dynamics model.	Pilinis C;Capaldo KP;Pandis SN;Nenes A;	2000	32	5	482	502	24	Engineering	13	Y	24				1	2	4	1	3	8	5	
Chemometrics and Intelligent Laboratory Systems	Multivariate receptor modeling by N-dimensional edge detection	Henry RC;	2003	65	2	179	189	24	Engineering	8	Y	24								5	7	9	3
Aerosol Science and Technology	Estimating the secondary organic aerosol contribution to PM2.5 using the EC tracer method	Cabada JC;Pandis SN;Subramanian R;Robinson AL;Polidori A;Turpin B;	2004	38	S1	140	155	24	Engineering	6	Y	24								2	4	10	8
Journal of the Air & Waste Management Association	Evaluating the effectiveness of ozone management efforts in the presence of meteorological variability.	Milanchus ML;Rao ST;Zurbenko IG;	1998	48	3	201	215	23	Engineering	15	Y	23		2	4	6	2	3	1	4		1	
Journal of the Air & Waste Management Association	Windblown dust contributes to high PM2.5 concentrations	Claiborn CS;Finn D;Larson TV;Koenig JQ;	2000	50	8	1440	1445	23	Engineering	13	Y	23				5	1	4		6	6	1	
Aerosol Science and Technology	Performance of a single-ultrafine-particle mass spectrometer	Phares DJ;Rhoads KP;Wexler AS;	2002	36	5	583	592	23	Engineering	10	Y	23						7	8	4	3	1	
Aerosol Science and Technology	Numerical characterization of particle beam collimation: Part II integrated aerodynamic-lens--nozzle system	Zhang XF;Smith KA;Worsnop DR;Jimenez JL;Jayne JT;Kolb CE;Morris JW;Davidovits P;	2004	38	6	619	638	23	Engineering	6	Y	23								2	6	11	4
Aerosol Science and Technology	Seasonal Trends of Concentration and Size Distribution of Ultrafine Particles near Major Highways in Los Angeles	Zhu Y;Hinds WC;Shen S;Sioutas C;	2004	38	S1	5	13	23	Engineering	6	Y	23								1	11	5	6

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Aerosol Science and Technology	An Analysis of Four Models Predicting the Partitioning of Semi-Volatile Inorganic Aerosol Components	Ansari AS;Pandis SN;	1999	31	2-3	129	153	22	Engineering	14	Y	22			1	2	5	2	3	3	6		
Journal of the Air & Waste Management Association	Determination of PM2.5 sulfate and nitrate with a PC-BOSS designed for routine sampling for semi-volatile particulate matter	Eatough DJ;Pang Y;Eatough NL;	1999	49	SI	69	75	22	Engineering	14	Y	22			2	3	3	5	3	4	2		
Progress in Energy and Combustion Science	Emissions of organic air toxics from open burning: a comprehensive review	Lemieux PM;Lutes CC;Santoianni DA;	2004	30	1	1	32	22	Engineering	6	Y	22							2	6	10	4	
Combustion Science and Technology	Fine particle emissions from heavy fuel oil combustion in a firetube package boiler	Miller CA;Linak WP;King C;Wendt JOL;	1998	134	1-6	477	502	21	Engineering	15	Y	21			5	1	2	3	4	2	2	2	
Journal of the Air & Waste Management Association	Characterization of fine particulate matter produced by combustion of residual fuel oil	Huffman GP;Huggins FE;Shah N;Huggins R;Linak WP;Miller CA;Pugmire RJ;Meuzelaar HL;Seehra MS;Manivannan A;	2000	50	7	1106	1114	21	Engineering	13	Y	21			1	2	5	3	6	1	1	2	
Industrial & Engineering Chemistry Research	DAEPACK: An Open Modeling Environment for Legacy Models	Tolsma J;Barton PI;	2000	39	6	1826	1839	21	Engineering	13	Y	21					3	2	6	2	7	1	
Aerosol Science and Technology	Penetration of particles into buildings and associated physical factors, part I: Model development and computer simulations	Thornburg JW;Ensor DS;Rhodes CE;Lawless PA;Sparks LE;Mosley RB;	2001	34	3	284	296	21	Engineering	12	Y	21					2	4	5	8	2		
Chemometrics and Intelligent Laboratory Systems	Multivariate receptor models--current practice and future trends	Henry RC;	2002	60	1-2	43	48	21	Engineering	10	Y	21					1	3	7	4	5	1	
Journal of the Air & Waste Management Association	Continuous monitoring of ultrafine, fine, and coarse particles in a residence for 18 months in 1999-2000.	Wallace L;Howard-Reed C;	2002	52	7	828	844	21	Engineering	10	Y	21							2	2	8	6	3
Industrial & Engineering Chemistry Research	Computer Construction of Detailed Chemical Kinetic Models for Gas-Phase Reactors	Green WH;Barton PI;Bhattacharjee B;Matheu DM;Schwer DA;Song J;Sumathi R;Carstensen HH;Dean AM;Grenda JM;	2001	40	23	5362	5370	20	Engineering	12	Y	20					3	7	2	2	5	1	
Aerosol Science and Technology	Development and Laboratory Performance Evaluation of a Personal Multipollutant Sampler for Simultaneous Measurements of Particulate and Gaseous Pollutants	Demokritou P;Kavouras I;Ferguson S;Koutrakis P;	2001	35	3	741	752	20	Engineering	12	Y	20					3	2	2	4	7	2	
Journal of the Air & Waste Management Association	Indoor/Outdoor relationships for ambient PM2.5 and associated pollutants: epidemiological implications in Lindon, Utah	Patterson E;Eatough DJ;	2000	50	1	103	110	19	Engineering	13	Y	19			1		2	4	4	5	1	2	
Journal of the Air & Waste Management Association	Comparison of short-term variations (15-minute averages) in outdoor and indoor PM2.5 concentrations	Ramachandran G;Adgate JL;Hill N;Sexton K;Pratt GC;Bock D;	2000	50	7	1157	1166	19	Engineering	13	Y	19					4	4	5	4	1	1	
Environmental Fluid Mechanics	Numerical Investigation of Boundary-Layer Evolution and Nocturnal Low-Level Jets: Local versus Non-Local PBL Schemes	Zhang K;Mao H;Civerolo K;Berman S;Ku J;Rao ST;Doddridge B;Philbrick CR;Clark R;	2001	1	2	171	208	19	Engineering	12	Y	19				1	2	4	4	5	1	2	
Aerosol Science and Technology	Use of polyurethane foam as the impaction substrate/collection medium in conventional inertial impactors.	Kavouras IG;Koutrakis P;	2001	34	1	46	56	18	Engineering	12	Y	18					2	5	4	3	2	2	
Journal of the Air & Waste Management Association	The effect of opening windows on air change rates in two homes.	Howard-Reed C;Wallace LA;Ott WR;	2002	52	2	147	159	18	Engineering	10	Y	18					1	2	5	4	6		
Aerosol Science and Technology	Development of a High Volume Cascade Impactor for Toxicological and Chemical Characterization Studies	Demokritou P;Kavouras IG;Ferguson S;Koutrakis P;	2002	36	9	925	933	18	Engineering	10	Y	18					2	3	6	3		4	
Aerosol Science and Technology	Identification of molecular tracers in organic aerosols from temperate climate vegetation subjected to biomass burning.	Oros DR;Simoneit BRT;	1999	31	6	433	445	17	Engineering	14	Y	17				1	9	1	2		2	2	
Chemometrics and Intelligent Laboratory Systems	Extension of self-modeling curve resolution to mixtures of more than three components: Part 2. Finding the complete solution	Kim BM;Henry RC;	1999	49	1	67	77	17	Engineering	14	Y	17			1	1	2	4	1	4	4		
Journal of the Air & Waste Management Association	The 1999 Fresno particulate matter exposure studies: comparison of community, outdoor, and residential PM mass measurements	Evans GF;Highsmith RV;Sheldon LS;Suggs JC;Williams RW;Zweidinger RB;Creason JP;Walsh D;Rodes CE;Lawless PA;	2000	50	11	1887	1896	17	Engineering	13	Y	17					3	1	3	2	2	3	

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Journal of the Air & Waste Management Association	Chemical composition of fine particles in the Tennessee Valley region	Tanner RL;Parkhurst WJ;	2000	50	8	1299	1307	17	Engineering	13	Y	17				1	2	5	5	2		2	
Aerosol Science and Technology	Development and evaluation of a prototype system for collecting sub-hourly ambient aerosol for chemical analysis.	Kidwell CB;Ondov JM;	2001	35	1	596	601	17	Engineering	12	Y	17					2	2	4	6	3		
Journal of the Air & Waste Management Association	Semi-volatile species in PM2.5: comparison of integrated and continuous samplers for PM2.5 research or monitoring	Pang Y;Ren Y;Obeidi F;Hastings R;Eatough DJ;Wilson WE;	2001	51	1	25	36	17	Engineering	12	Y	17					3	6	4	2	2		
Journal of the Air & Waste Management Association	Spatial characteristics of fine particulate matter: identifying representative monitoring locations in Seattle, Washington	Goswami E;Larson T;Lumley T;Liu LS;	2002	52	3	324	333	17	Engineering	10	Y	17						6	1	6	3	1	
Journal of the Air & Waste Management Association	Emissions from charbroiling and grilling of chicken and beef.	McDonald JD;Zielinska B;Fujita EM;Sagebiel JC;Chow JC;Watson JG;	2003	53	2	185	194	17	Engineering	8	Y	17						2	4	1	5	5	
Journal of the Air & Waste Management Association	Semicontinuous PM2.5 sulfate and nitrate measurements at an urban and a rural location in New York: PMTACS-NY Summer 2001 and 2002 campaigns	Hogrefe O;Schwab JJ;Drewnick F;Lala GG;Peters S;Demerjian KL;Rhoads K;Felton HD;Rattigan OV;Husain L;Dutkiewicz VA;	2004	54	9	1040	1060	17	Engineering	6	Y	17									5	8	4
Aerosol Science and Technology	Light absorption by carbonaceous particles: An investigative review	Bond TC;Bergstrom RW;	2006	40	1	27	67	17	Engineering	2	Y	17									6	11	
Journal of the Air & Waste Management Association	The influence of human activity patterns on personal PM exposure: a comparative analysis of filter-based and continuous particle measurements	Rea AW;Zufall MJ;Williams RW;Sheldon L;Howard-Reed C;	2001	51	9	1271	1279	16	Engineering	12	Y	16						4	2	4	5	1	
Journal of the Air & Waste Management Association	Ozone air quality over North America: Part II - An analysis of trend detection and attribution techniques.	Porter PS;Rao ST;Zurbenko IG;Wolff GT;Dunker AM;	2001	51	2	283	306	16	Engineering	12	Y	16				4	2	5	2	3			
Aerosol Science and Technology	PM2.5 Semivolatile Organic Material at Riverside, California: Implications for the PM2.5 Federal Reference Method Sampler	Pang Y;Eatough NL;Eatough DJ;	2002	36	3	277	288	16	Engineering	10	Y	16					2		9		4	1	
Journal of the Air & Waste Management Association	Diurnal and weekday variations in source contributions of ozone precursors in California's South Coast Air Basin	Fujita EM;Campbell DE;Zielinska B;Sagebiel JC;Bowen JL;Goliff WS;Stockwell WR;Lawson DR;	2003	53	7	844	863	16	Engineering	8	Y	16						4	4	2	4	2	
Aerosol Science and Technology	Advanced factor analysis on Pittsburgh particle size distribution data	Zhou L;Kim E;Hopke PK;Stanier CO;Pandis SN;	2004	38	S1	118	132	16	Engineering	6	Y	16							2	4	7	3	
Waste Management	Enhanced formation of dioxins and furans from combustion devices by addition of trace quantities of bromine	Lemieux PM;Ryan JV;	1998	18	6-8	361	370	15	Engineering	15	Y	15			1		1	3	4	2	2	2	
Aerosol Science and Technology	Development and evaluation of a continuous ambient PM2.5 mass monitor.	Babich P;Wang P;Allen G;Sioutas C;Koutrakis P;	2000	32	4	309	324	15	Engineering	13	Y	15			1	3	4	1	1	3	2		
Aerosol Science and Technology	High-Volume Diffusion Denuder Sampler for the Routine Monitoring of Fine Particulate Matter: I. Design and Optimization of the PC-BOSS	Ding Y;Pang Y;Eatough DJ;	2002	36		369	382	15	Engineering	10	Y	15						1	6	2	6		
Aerosol Science and Technology	A Methodology for Measuring Size-Dependent Chemical Composition of Ultrafine Particles	Geller MD;Kim S;Misra C;Sioutas C;Olson BA;Marple VA;	2002	36	6	748	762	15	Engineering	10	Y	15							3	6	6		
Journal of the Air & Waste Management Association	Quantification of variability and uncertainty in lawn and garden equipment NOx and total hydrocarbon emission factors	Frey HC;Bammi S;	2002	52	4	435	448	15	Engineering	10	Y	15						6	7	1	1		
Aerosol Science and Technology	Spatial variations of PM2.5 during the Pittsburgh Air Quality Study	Tang W;Raymond T;Wittig B;Davidson C;Pandis SN;Robinson A;Crist K;	2004	38	S2	80	90	15	Engineering	6	Y	15									6	8	1
Aerosol Science and Technology	Development, operation and applications of an aerosol generation, calibration and research facility, new instruments and data inversion methods	Hogrefe O;Drewnick F;Lala GG;Schwab JJ;Demerjian KL;	2004	38	S1	196	214	15	Engineering	6	Y	15								6	1	7	1
Journal of the Air & Waste Management Association	Quantification of variability and uncertainty in air pollutant emission inventories: method and case study for NOx emissions	Frey HC;Zheng J;	2002	52	9	1083	1095	14	Engineering	10	Y	14							5	6	1	2	

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Aerosol Science and Technology	An algorithm for combining electrical mobility and aerodynamic size distribution data when measuring ambient aerosol	Khlystov A;Stanier CO;Pandis SN;	2004	38	S1	229	238	14	Engineering	6	Y	14							3	5	3	3
Journal of the Air & Waste Management Association	Hourly and Daily Patterns of Particle-Phase Organic and Elemental Carbon Concentrations in the Urban Atmosphere	Bae MS;Turner JJ;DeMinter JT;Turner JR;	2004	54		823	833	14	Engineering	6	Y	14								2	7	5
Applied Mechanics Reviews	Review of the governing equations, computational algorithms, and other components of the Models-3 Community Multiscale Air Quality (CMAQ) modeling system.	Byun D;Schere KL;	2006	59		51	77	14	Engineering	2	Y	14									4	10
TrAC - Trends in Analytical Chemistry	The power of analytical methods for measuring suspected endocrine disrupting compounds: a pilot field study	Jones-Lepp T;Gerlach CL;Cooter EJ;	2000	19	5	286	291	13	Engineering	13	Y	13				2	1	3	3	2	1	1
Environmental Progress	SO2 scrubbing technologies: A review	Srivastava RK;Jozewicz W;Singer C;	2001	20	4	219	227	13	Engineering	12	Y	13					1	2	2	1	4	3
Journal of Fluids Engineering	Flow structure and particle transport in a triple bifurcation airway model.	Zhang Z;Kleinstreuer C;Kim CS;	2001	123	2	320	330	13	Engineering	12	Y	13					2	3	1	1	1	5
Aerosol Science and Technology	High-Volume Diffusion Denuder Sampler for the Routine Monitoring of Fine Particulate Matter: II. Field Evaluation of the PC-BOSS	Ding Y;Pang Y;Eatough DJ;Eatough NL;Tanner RL;	2002	36		383	396	13	Engineering	10	Y	13					1	1	5	1	5	
Chemometrics and Intelligent Laboratory Systems	Utilizing Wind Direction and Wind Speed as Independent Variables in Multilinear Receptor Modeling Studies	Paatero P;Hopke PK;	2002	60	1-2	25	41	13	Engineering	10	Y	13					5	2	2	2	3	1
Aerosol Science and Technology	Inferring the Sources of Fine and Ultrafine Particulate Matter at Downwind Receptor Sites in the Los Angeles Basin Using Multiple Continuous Measurements	Fine PM;Shen S;Sioutas C;	2004	38	S1	182	195	13	Engineering	6	Y	13							2	5	3	3
Aerosol Science and Technology	Daily, Seasonal, and Spatial Trends in PM2.5 Mass and Composition in Southeast Texas	Russell MM;Allen DT;Collins DR;Fraser MP;	2004	38	S1	14	26	13	Engineering	6	Y	13							1	7	5	
Journal of the Air & Waste Management Association	Determination of Levoglucosan in Atmospheric Fine Particulate Matter	Simpson CD;Dills RL;Katz BS;Kalman DA;	2004	54	6	689	694	13	Engineering	6	Y	13								1	6	6
Journal of the Air & Waste Management Association	Estimation of Organic Carbon Blank Values and Error Structures of the Speciation Trends Network Data for Source Apportionment	Kim E;Hopke PK;Qin Y;	2005	55	8	1190	1199	13	Engineering	4	Y	13								1	8	4
Aerosol Science and Technology	Formation of Polyketones in Irradiated Toluene/Propylene/NOx/Air Mixtures	Edney EO;Driscoll DJ;Weathers WS;Kleindienst TE;Conver TS;Mclver CD;Li W;	2001	35	6	998	1008	12	Engineering	12	Y	12					1	1	2	3	5	
Aerosol Science and Technology	Design and calibration of the EPA PM 2.5 well impactor ninety-six (WINS)	Peters T;Vanderpool RW;Wiener RW;	2001	34	5	389	397	12	Engineering	12	Y	12				5	1	3	2	1		
Combustion and Flame	On upgrading the numerics in combustion chemistry codes	Schwer DA;Tolsma JE;Green J;Barton PI;	2002	128	3	270	291	12	Engineering	10	Y	12						5	3	1	2	1
Journal of the Air & Waste Management Association	Short-term temporal variation in PM2.5 mass and chemical composition during the Atlanta Supersite Experiment, 1999	Weber R;Bergin M;Kiang CS;Chameides W;Orsini D;St.John J;Chang M;Carrico C;Lee YN;Dasgupta P;Slanina J;Turpin B;Edgerton E;Hering S;Allen G;Solomon P;	2003	53	1	84	91	12	Engineering	8	Y	12						3	2	2	3	2
Journal of the Air & Waste Management Association	Real-time indoor and outdoor measurements of black carbon in an occupied house: an examination of sources	LaRosa LE;Buckley TJ;Wallace LA;	2002	52	1	41	49	11	Engineering	10	Y	11					1	1		5	1	3
Aerosol Science and Technology	Micro-particle transport and deposition in a human oral airway model	Zhang Z;Kleinstreuer C;Kim CS;	2002	33	12	1635	1652	11	Engineering	10	Y	11						1	3		2	5
Journal of the Air & Waste Management Association	Differential pulmonary inflammation and in vitro cytotoxicity of size-fractionated fly ash particles from pulverized coal combustion	Gilmour MI;O'Connor S;Dick CAJ;Miller CA;Linak WP;	2004	54	3	286	295	11	Engineering	6	Y	11								2	5	4
Journal of the Air & Waste Management Association	Spatial variability of PM2.5 in urban areas in the United States	Pinto JP;Lefohn AS;Shadwick DS;	2004	54	4	440	449	11	Engineering	6	Y	11							1	4	5	1

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Journal of the Air & Waste Management Association	Source apportionment of indoor, outdoor and personal PM2.5 in Seattle, WA using positive matrix factorization	Larson T;Gould T;Simpson C;Claiborn C;Lewtas J;Liu LS;	2004	54	9	1175	1187	11	Engineering	6	Y	11									2	7	2
Aerosol Science and Technology	A method for the in-situ measurement of aerosol water content of ambient aerosols: The Dry Ambient Aerosol Size Spectrometer (DAASS)	Stanier CO;Khlystov A;Chan WR;Mandiro M;Pandis SN;	2004	38	S1	215	228	11	Engineering	6	Y	11							3	6	1		1
Aerosol Science and Technology	Seasonal and Spatial Variations of Polycyclic Aromatic Hydrocarbons in Vapor-Phase and PM2.5 in Southern California Urban and Rural Communities	Eiguren-Fernandez A;Miguel AH;Froines JR;Thurairatnam S;Avol E;	2004	38		447	455	11	Engineering	6	Y	11									3	5	3
Aerosol Science and Technology	Factor analysis of Seattle fine particles	Kim E;Hopke P;Larson T;Maykut N;Lewtas J;	2004	38	7	724	738	11	Engineering	6	Y	11									4	3	4
Aerosol Science and Technology	Effect of semivolatile material on PM2.5 measurement by the PM2.5 federal reference method sampler at Bakersfield, California	Pang Y;Eatough NL;Wilson J;Eatough DJ;	2002	36	3	289	299	10	Engineering	10	Y	10					1	1	6				2
Aerosol Science and Technology	Aerosol deposition efficiencies and upstream release positions for different inhalation modes in an upper bronchial airway model.	Zhang Z;Kleinstreuer C;Kim CS;	2002	36	7	828	844	10	Engineering	10	Y	10							2	1	5		2
Journal of the Air & Waste Management Association	Estimated hourly personal exposures to ambient and non-ambient particulate matter among sensitive populations in Seattle, Washington	Allen R;Wallace L;Larson TV;Sheppard L;Liu LS;	2004	54	9	1197	1211	10	Engineering	6	Y	10									2	5	2
Aerosol Science and Technology	Vaporizing microdroplet inhalation, transport, and deposition in a human upper airway model	Zhang Z;Kleinstreuer C;Kim CS;Cheng YS;	2004	38	1	36	49	10	Engineering	6	Y	10							1	3	2		4
Aerosol Science and Technology	Fossil sources of PM2.5 aerosol carbon based on 14C measurements	Tanner RL;Parkhurst WJ;McNichol AP;	2004	38	S1	133	139	10	Engineering	6	Y	10							1	3	4		2
Journal of the Air & Waste Management Association	Associations between particle number and gaseous co-pollutant concentrations in the Los Angeles Basin.	Sardar SB;Fine PM;Yoon H;Sioutas C;	2004	54	8	992	1005	9	Engineering	6	Y	9									4	5	
Aerosol Science and Technology	Elemental analysis of sub-hourly ambient aerosol collections	Kidwell CB;Ondov JM;	2004	38	3	205	218	8	Engineering	6	Y	8									5	3	
Aerosol Science and Technology	Airborne particulate matter and human health: A review	Davidson CI;Phalen RF;Solomon PA;	2005	39	8	737	749	8	Engineering	4	Y	8										5	3
Aerosol Science and Technology	Physical and chemical characteristics and volatility of PM in the proximity of a light-duty vehicle freeway.	Kuhn T;Biswas S;Fine PM;Geller M;Sioutas C;	2005	39	4	347	357	8	Engineering	4	Y	8									1	5	2
Aerosol Science and Technology	Field Evaluation of the Differential TEOM Monitor for Continuous PM2.5 Mass Concentrations	Jaques PA;Ams JL;Sioutas C;	2004	38	S1	49	59	7	Engineering	6	Y	7							1	2	4		
Aerosol Science and Technology	Sesquiterpene emissions and secondary organic aerosol formation potentials for southeast Texas	Vizuete W;Junquera V;Allen DT;	2004	38	S1	167	181	7	Engineering	6	Y	7									2	3	2
EM: Air & Waste Management Association's Magazine for Environmental Managers	Modeling air pollution from the collapse of the World Trade Center and assessing the potential impacts on human exposures.	Huber AH;Georgopoulos P;Gilliam RC;Stenchikov G;Wang S;Kelly B;Feingersh H;	2004		Feb	35	40	7	Engineering	6	Y	7							2			4	1
Journal of the Air & Waste Management Association	Deposition and removal of fugitive dust in the arid Southwest: Measurements and model results.	Eyemezian V;Ahonen S;Nickolic D;Gillies J;Kuhns H;Gillette D;Veranth J;	2004	54	9	1099	1111	7	Engineering	6	Y	7									2	3	2
Spectrochimica Acta Part A, Molecular and Biomolecular Spectroscopy	ESR investigation of the oxidative damage in lungs caused by asbestos and air pollution particles	Kadiiska MB;Ghio AJ;Mason RP;	2004	60	6	1371	1377	7	Engineering	6	Y	7											2
Journal of the Air & Waste Management Association	Improving Source Apportionment of Fine Particles in the Eastern United States Utilizing Temperature-Resolved Carbon Fractions	Kim E;Hopke PK;	2005	55	10	1456	1463	7	Engineering	4	Y	7										2	5
Aerosol Science and Technology	Development of a Near-Continuous Monitor for Measurement of the Sub-150 nm PM Mass Concentration	Chakrabarti B;Singh M;Sioutas C;	2004	38	S1	239	252	6	Engineering	6	Y	6							1	3	2		

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Journal of the Air & Waste Management Association	Field method comparison between passive air samplers and continuous monitors for volatile organic compounds and NO2 in El Paso, Texas, USA.	Mukerjee S;Smith L;Norris GA;Morandi MT;Gonzales M;Noble CA;Neas L;Ozkaynak AH;	2004	54		307	319	6	Engineering	6	Y	6										3	3	
Journal of the Air & Waste Management Association	Long-term field characterization of TEOM and modified TEOM samplers in urban and rural New York State locations	Schwab JJ;Spicer J;Demerjian KL;Ambs JL;Felton HD;	2004	54		1264	1280	6	Engineering	6	Y	6										5	1	
Journal of the Air & Waste Management Association	The New England air quality forecasting pilot program: Development of an evaluation protocol and performance benchmark.	Kang D;Eder BK;Stein AF;Grell GA;Peckham SE;McHenry J;	2005	55	12	1782	1796	5	Engineering	4	Y	5										2	3	
Journal of the Air & Waste Management Association	Inhalation of concentrated ambient particulate matter near a heavily trafficked road stimulates antigen-induced airway responses in mice	Kleinman M;Sioutas C;Stram D;Froines J;Cho A;Chakrabarti B;Hamade A;Meacher D;Oldham M;	2005	55		1277	1288	4	Engineering	4	Y	4										3	1	
Journal of the Air & Waste Management Association	Influence of atmospheric dispersion and new particle formation events on ambient particle number concentration in Rochester, United States, and Toronto, Canada	Jeong CH;Evans GJ;Hopke PK;Chalupa D;Utell MJ;	2006	56	4	431	443	3	Engineering	2	Y	3										1	2	
Aerosol Science and Technology	Local and Regional Secondary Organic Aerosol: Insights from a Year of Semi-Continuous Carbon Measurements at Pittsburgh	Polidori A;Turpin B;Ho J;Cabada J;Subramanian R;Pandis S;Robinson A;	2006	40	10	861	872	3	Engineering	2	Y	3											1	2
Journal of the Air & Waste Management Association	Air quality modeling of hazardous pollutants: Current status and future developments.	Touma JS;Isakov V;Ching J;Seigneur C;	2006	56	5	547	558	3	Engineering	2	Y	3											3	
Journal of the Air & Waste Management Association	Laboratory and field evaluation of instrumentation for the semicontinuous determination of particulate nitrate (and other water-soluble particulate components)	Long RW;McClenney WA;	2006	56	3	294	305	2	Engineering	2	Y	2										1	1	
Journal of the Air & Waste Management Association	Effects of instrument precision and spatial variability on the assessment of the temporal variation of ambient air pollution in Atlanta, Georgia	Wade KS;Mulholland JA;Marmor A;Russell AG;Hartsell B;Edgerton E;Klein M;Waller L;Peel JL;Tolbert PE;	2006	56	6	876	888	2	Engineering	2	Y	2											1	1
Aerosol Science & Technology	Radiocarbon content of PM2.5 ambient aerosol in Tampa, FL	Lewis CW;Stiles DC;	2006	40	3	189	196	2	Engineering	2	Y	2										1	1	
Aerosol Science and Technology	An Intercomparison of Measurement Methods for Carbonaceous Aerosol in the Ambient Air in New York City	Venkatachari P;Zhou L;Hopke P;Schwab J;Demerjian K;Weimer S;Hogrefe O;Felton D;Rattigan O;	2006	40	10	788	795	2	Engineering	2	Y	2										1	1	
Journal of the Air & Waste Management Association	Health effects of fine particulate air pollution: lines that connect	Chow JC;Watson JG;Mauderly JL;Costa DL;Wyzga RE;Vedal S;Hidy GM;Altshuler SL;Marrack D;Heuss JM;Wolff GT;Pope CA;Dockery DW;	2006	56	10	1368	1380	2	Engineering	2	Y	2												2
Aerosol Science and Technology	Using ATOFMS to determine OC/EC mass fractions in particles	Spencer MT;Prather KA;	2006	40	8	585	594	2	Engineering	2	Y	2										1	1	
Indoor Air	Analysis of Indoor Particle Size Distributions in an Occupied Townhouse Using Positive Matrix Factorization	Ogulei D;Hopke PK;Wallace L;	2006	16	3	204	215	2	Engineering	2	Y	2											2	
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Environmental Health Perspectives	Air Conditioning and Source-Specific Particles as Modifiers of the Effect of PM10 on Hospital Admissions for Heart and Lung Disease	Janssen NAH;Schwartz J;Zanobetti A;Suh H;	2002	110	1	43	49	51	Environment/Ecology	22	Y	Y					3	6	7	16	11	8		
Environmental Health Perspectives	Association of fine particulate matter from different sources with daily mortality in six U.S. cities	Laden F;Neas LM;Dockery DW;Schwartz J;	2000	108	10	941	947	208	Environment/Ecology	31	Y	208				9	28	23	41	46	37	24		
Environmental Health Perspectives	Daily variation of particulate air pollution and poor cardiac autonomic control in the elderly	Liao D;Creason J;Shy C;Williams R;Watts R;Zweidinger R;	1999	107	7	521	525	175	Environment/Ecology	33	Y	175	1	23	22	18	22	25	36	20	8			
Environmental Health Perspectives	Ultrafine particulate pollutants induce oxidative stress and mitochondrial damage	Li N;Sioutas C;Cho A;Schmitz D;Misra C;Sempf J;Wang M;Oberley T;Froines J;Nel A;	2003	111	4	455	460	144	Environment/Ecology	17	Y	144						4	30	43	44	23		

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Environmental Health Perspectives	Nanotoxicology: an emerging discipline evolving from studies of ultrafine particles	Oberdorster G;Oberdorster E;Oberdorster J;	2005	113	7	823	839	133	Environment/Ecology	6	Y	133								7	64	62
Environmental Science & Technology	Identification of Products Containing -COOH, -OH, and -C=O in Atmospheric Oxidation of Hydrocarbons	Yu JZ;Flagan RC;Seinfeld JH;	1998	32	16	2357	2370	115	Environment/Ecology	36	Y	115		13	16	13	12	16	11	12	15	7
Environmental Health Perspectives	Epidemiologic evidence of cardiovascular effects of particulate air pollution	Dockery DW;	2001	109	S4	483	486	94	Environment/Ecology	25	Y	94				1	9	15	18	20	19	12
Environmental Science & Technology	Chemical characterization of fine particle emissions from the fireplace combustion of woods grown in the northeastern United States	Fine PM;Cass GR;Simoneit BRT;	2001	35	13	2665	2675	83	Environment/Ecology	25	Y	83					11	7	13	14	26	12
Environmental Science & Technology	Atmospheric secondary aerosol formation by heterogeneous reactions of aldehydes in the presence of a sulfuric acid aerosol catalyst	Jang M;Kamens RM;	2001	35	24	4758	4766	83	Environment/Ecology	25	Y	83					2	12	21	20	19	9
Environmental Science & Technology	Using time- and size-resolved particulate data to quantify indoor penetration and deposition behavior	Long CM;Suh HH;Catalano PJ;Koutrakis P;	2001	35	10	2089	2099	73	Environment/Ecology	25	Y	73				2	8	10	15	19	17	2
Environmental Health Perspectives	Associations between air pollution and mortality in Phoenix, 1995-1997	Mar TF;Norris GA;Koenig JQ;Larson TV;	2000	108	4	347	353	72	Environment/Ecology	31	Y	72			1	4	11	6	11	14	16	9
Environmental Science & Technology	Characterization of Secondary Aerosol from the Photooxidation of Toluene in the Presence of NOx and 1-Propene	Jang M;Kamens RM;	2001	35	18	3626	3639	70	Environment/Ecology	25	Y	70				2	3	15	10	14	25	1
Environmental Health Perspectives	Assessing Confounding, Effect Modification, and Thresholds in the Association Between Ambient Particles and Daily Deaths	Schwartz J;	2000	108	6	563	568	68	Environment/Ecology	31	Y	68			4	11	11	5	14	8	9	6
Environmental Science & Technology	Gas/Solid Partitioning of Semivolatile Organic Compounds (SOCs) to Air Filters. 3. An Analysis of Gas Adsorption Artifacts in Measurements of Atmospheric SOCs and Organic Carbon (OC) When Using Teflon Membrane Filters and Quartz Fiber Filters	Mader BT;Pankow JF;	2001	35	17	3422	3432	67	Environment/Ecology	25	Y	67				1	6	15	15	13	14	3
Environmental Science & Technology	Relationship between particle mass and mobility for diesel exhaust particles	Park K;Cao F;Kittelson DB;McMurry PH;	2003	37	3	577	583	67	Environment/Ecology	17	Y	67						4	17	18	20	8
Environmental Science & Technology	Method for the automated measurement of fine particle nitrate in the atmosphere	Stolzenburg MR;Hering SV;	2000	34	5	907	914	66	Environment/Ecology	31	Y	66			3	5	8	17	10	9	11	3
Environmental Health Perspectives	Inhaled Concentrated Ambient Particles are Associated with Hematologic and Bronchoalveolar Lavage Changes in Canines	Clarke RW;Coull BA;Reinisch U;Catalano P;Killingsworth CR;Koutrakis P;Kavouras I;Krishna Murthy GG;Lawrence J;Lovett EG;Wolfson JM;Verrier RL;Godleski JJ;	2000	108	12	1179	1187	65	Environment/Ecology	31	Y	65				3	8	11	17	13	8	5
Journal of Arid Environments	Vulnerability of desert biological soil crusts to wind erosion: the influences of crust development, soil texture, and disturbance	Belnap J;Gillette DA;	1998	39	2	133	142	64	Environment/Ecology	36	Y	64		1	2	6	12	6	6	9	14	8
Environmental Science & Technology	Modeling aerosol formation from a-pinene + NOx in the presence of natural sunlight using gas phase kinetics and gas-particle partitioning theory	Kamens RM;Jaoui M;	2001	35	7	1394	1405	61	Environment/Ecology	25	Y	61				4	1	13	14	15	11	3
Environmental Science & Technology	Chemical Characterization of Fine Particle Emissions from the Fireplace Combustion of Woods Grown in the Southern United States	Fine PM;Cass GR;Simoneit BRT;	2002	36	7	1442	1451	61	Environment/Ecology	22	Y	61					3	5	9	11	21	12
Environmental Science & Technology	OH Reaction Kinetics of Gas-Phase alpha- and gamma-Hexachlorocyclohexane and Hexachlorobenzene	Brubaker WW;Hites RA;	1998	32	6	766	769	60	Environment/Ecology	36	Y	60	3	5	5	6	7	6	14	5	6	3



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Environmental Health Perspectives	Characterization of the dust/smoke aerosol that settled east of the World Trade Center (WTC) in lower Manhattan after the collapse of the WTC September 11, 2001.	Liou PJ;Weisel CP;Millette JR;Eisenreich S;Vallero D;Offenberg J;Buckley B;Turpin B;Zhong M;Cohen MD;Prophete C;Yang I;Stiles R;Chee G;Johnson W;Porcja R;Alimokhtari S;Hale RC;Weschler C;Chen LC;	2002	110	7	703	714	59	Environment/Ecology	22	Y	59					2	9	21	17	8	2	
Environmental Science & Technology	Particle Phase Acidity and Oligomer Formation in Secondary Organic Aerosol	Gao S;Ng NL;Keywood M;Varutbangkul V;Bahreini R;Nenes A;He J;Yoo KY;Beauchamp JL;Hodyss RP;Flagan RC;Seinfeld JH;	2004	38	24	6582	6589	59	Environment/Ecology	12	Y	59									13	30	16
Environmental Science & Technology	Czech Air Quality Monitoring and Receptor Modeling Study	Pinto JP;Stevens RK;Willis RD;Kellogg R;Mamane Y;Novak J;Santroch J;Benes I;Lenicek J;Bures V;	1998	32	7	843	854	58	Environment/Ecology	36	Y	58		4	8	9	8	9	11	6	1	2	
Environmental Health Perspectives	A case-crossover analysis of air pollution and mortality in Philadelphia	Neas LM;Schwartz J;Dockery D;	1999	107	8	629	631	58	Environment/Ecology	33	Y	58			7	9	4	10	6	10	9	3	
Environmental Health Perspectives	Ambient particulate air pollution, heart rate variability, and blood markers of inflammation in a panel of elderly subjects	Pope CA;Hansen ML;Long RW;Nielsen KR;Eatough NL;Wilson WE;Eatough DJ;	2004	112	3	339	345	58	Environment/Ecology	12	Y	58								1	22	26	9
Environmental Science & Technology	Size and Composition Distribution of Atmospheric Particles in Southern California	Hughes LS;Allen JO;Kleeman MJ;Johnson RJ;Cass GR;Gross DS;Gard EE;Galli ME;Morrison BD;Ferguson DP;Dienes T;Noble CA;Liu D;Silva PJ;Prather KA;	1999	33	20	3506	3515	56	Environment/Ecology	33	Y	56			5	8	12	7	5	9	8	2	
Journal of Exposure Analysis and Environmental Epidemiology	Particulate matter and heart rate variability among elderly retirees: the Baltimore 1998 PM study	Creason J;Neas L;Walsh D;Williams R;Sheldon L;Liao D;Shy C;	2001	11	2	116	122	56	Environment/Ecology	25	Y	56					3	4	19	8	15	7	
Environmental Science & Technology	Particle Detection Efficiencies of Aerosol Time of Flight Mass Spectrometers under Ambient Sampling Conditions	Allen JO;Ferguson DP;Gard EE;Hughes LS;Morrison BD;Kleeman MJ;Gross DS;Galli ME;Prather KA;Cass GR;	2000	34	1	211	217	54	Environment/Ecology	31	Y	54			6	3	8	10	11	5	9	2	
Environmental Science & Technology	Fine Particle and Gaseous Emission Rates from Residential Wood Combustion	McDonald JD;Zielinska B;Fujita EM;Sagebiel JC;Chow JC;Watson JG;	2000	34	11	2080	2091	53	Environment/Ecology	31	Y	53				1	23	10	13		5	1	
Environmental Science & Technology	Evolution of Atmospheric Particles along Trajectories Crossing the Los Angeles Basin.	Hughes LS;Allen JO;Bhave P;Kleeman MJ;Cass GR;Liu DY;Ferguson DP;Morrison BD;Prather KA;	2000	34	15	3058	3068	53	Environment/Ecology	31	Y	53				2	13	8	9	8	9	4	
Environmental Science & Technology	Thermal desorption mass spectrometric analysis of organic aerosol formed from reactions of 1-tetradecene and O3 in the presence of alcohols and carboxylic acids	Tobias HJ;Ziemann PJ;	2000	34	11	2105	2115	53	Environment/Ecology	31	Y	53			2	8	6	6	11	11	7	2	
Environmental Health Perspectives	Workshop to identify critical windows of exposure for children's health: immune and respiratory systems work group summary.	Dietert RR;Etzel RA;Chen D;Halonen M;Holladay SD;Jarabek AM;Landreth K;Peden DB;Pinkerton KE;Smialowicz RJ;Zoetis T;	2000	108	S3	483	490	53	Environment/Ecology	31	Y	53			2	4	8	8	10	7	10	4	
Environmental Science & Technology	Modeling the Formation of Secondary Organic Aerosol (SOA). The Application of Theoretical Principles to Measurements Obtained in the a-Pinene-, b-Pinene-, Sabinene-, D3-Carene, and Cyclohexene-Ozone Systems	Pankow JF;Seinfeld JH;Asher WE;Erdakos GB;	2001	35	6	1164	1172	53	Environment/Ecology	25	Y	53				2	7	9	9	14	10	2	
Environmental Science & Technology	Diffusive Exchange of Gaseous Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls Across the Air-Water Interface of the Chesapeake Bay	Nelson ED;McConnell LL;Baker JE;	1998	32	7	912	919	52	Environment/Ecology	36	Y	52	1	8	5	6	7	5	5	6	7	2	
Environmental Health Perspectives	Effects of ambient air pollution on symptoms of asthma in Seattle-area children enrolled in the CAMP study	Yu OC;Sheppard L;Lumley T;Koenig JQ;Shapiro GG;	2000	108	12	1209	1214	52	Environment/Ecology	31	Y	52				1	7	13	8	10	8	5	

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Environmental Science & Technology	Water Absorption by Secondary Organic Aerosol and its Effect on Inorganic Aerosol Behavior	Ansari AS;Pandis SN;	2000	34	1	71	77	52	Environment/Ecology	31	Y	52			1	10	11	6	5	7	10	2	
Environmental Health Perspectives	Acute pulmonary toxicity of particulate matter (PM) filter extracts in rats: Coherence with epidemiological studies in Utah Valley residents.	Dye JA;Lehmann JR;McGee JK;Winsett DW;Ledbetter AD;Everitt JI;Ghio AJ;Costa DL;	2001	109	S3	395	403	52	Environment/Ecology	25	Y	52			1	8	9	10	10	10	11	3	
Environmental Science & Technology	Origins of primary and secondary organic aerosol in Atlanta: Results of time-resolved measurements during the Atlanta Supersite Experiment.	Lim H;Turpin BJ;	2002	36	21	4489	4496	52	Environment/Ecology	22	Y	52						4	11	11	21	5	
Environmental Health Perspectives	Air pollution and daily hospital admissions in metropolitan Los Angeles	Linn WS;Szlachcic Y;Gong H;Kinney PL;Berhane KT;	2000	108	5	427	434	51	Environment/Ecology	31	Y	51			8	4	6	7	17	6	3		
Environmental Health Perspectives	Gaseous Pollutants in Particulate Matter Epidemiology: Confounders or Surrogates?	Sarnat JA;Schwartz J;Catalano P;Suh H;	2001	109	10	1053	1061	51	Environment/Ecology	25	Y	51					2	12	9	8	15	5	
Environmental Health Perspectives	Invited editorial: Ultrafine particles in the urban air: to the respiratory tract -- and beyond?	Oberdorster G;Utell MJ;	2002	110	8	A440	A441	50	Environment/Ecology	22	Y	50						3	15	15	14	3	
Environmental Science & Technology	Speciation of gas-phase and fine particle emissions from burning of foliar fuels	Hays MD;Geron CD;Linna KJ;Smith ND;	2002	36	11	2281	2295	49	Environment/Ecology	22	Y	49						4	8	6	23	8	
Environmental Health Perspectives	The effect of weather on respiratory and cardiovascular deaths in 12 U.S. cities	Braga AL;Zanobetti A;Schwartz J;	2002	110	9	859	863	48	Environment/Ecology	22	Y	48						3	6	11	17	11	
Chemosphere	Biogenic volatile organic compound emissions (BVOCs) I. Identifications from three continental sites in the U.S	Helmig D;Klinger LF;Guenther A;Vierling L;Geron C;Zimmerman P;	1999	38	9	2163	2187	47	Environment/Ecology	33	Y	47		3	6	12	7	4	4	4	5	2	
Environmental Science & Technology	Insights into the chemistry of new particle formation and growth events in Pittsburgh based on aerosol mass spectrometry	Zhang Q;Stanier CO;Canagaratna MR;Jayne JT;Worsnop DR;Pandis SN;Jimenez JL;	2004	38	18	4797	4809	45	Environment/Ecology	12	Y	45									16	21	8
Environmental Science & Technology	Source Contributions to the Size and Composition Distribution of Atmospheric Particles: Southern California in September 1996	Kleeman MJ;Hughes LS;Allen JO;Cass GR;	1999	33	23	4331	4341	44	Environment/Ecology	33	Y	44			4	9	7	5	6	5	5	3	
Environmental Toxicology and Chemistry	Temperature dependence of the Henry's Law constants of thirteen polycyclic aromatic hydrocarbons between 4 degrees C and 31 degrees C	Bamford HA;Poster DL;Baker JE;	1999	18	9	1905	1912	44	Environment/Ecology	33	Y	44			5	3	7	6	8	4	6	5	
Environmental Health Perspectives	Quinones and Aromatic Chemical Compounds in Particulate Matter Induce Mitochondrial Dysfunction: Implications for Ultrafine Particle Toxicity	Xia T;Korge P;Weiss JN;Li N;Venkatesan M;Sioutas C;Nel A;	2004	112	14	1347	1358	44	Environment/Ecology	12	Y	44									11	22	11
Environmental Science & Technology	Analysis of Airborne Carboxylic Acids and Phenols as Their Pentafluorobenzyl Derivatives: Gas Chromatography/Ion Trap Mass Spectrometry with a Novel Chemical Ionization Reagent, PFBOH	Chien CJ;Charles MJ;Sexton KG;Jeffries HE;	1998	32	2	299	309	43	Environment/Ecology	36	Y	43	1	7	7	8	3	4	5	5	3		
Environmental Science & Technology	Ambient concentrations and elemental compositions of PM10 and PM2.5 in four Chinese cities	Wei F;Teng E;Wu E;Hu W;Wilson WE;Chapman RS;Pau JC;Zhang J;	1999	33	23	4188	4193	43	Environment/Ecology	33	Y	43				5	6	4	9	8	10	1	
Ecological Applications	Weather effects on isoprene emission capacity and applications in emission algorithms	Sharkey TD;Singsaas EL;Lerdau MT;Geron CD;	1999	9	4	1132	1137	41	Environment/Ecology	33	Y	41			5	9	3	6	7	5	5	1	
Environmental Science & Technology	Particle growth by acid-catalyzed heterogeneous reactions of organic carbonyls on pre-existing aerosols	Jang M;Carroll B;Chandramouli B;Kamens RM;	2003	37	17	3828	3837	41	Environment/Ecology	17	Y	41							10	11	13	7	
Environmental Health Perspectives	Concentrated ambient air particles induce vasoconstriction of small pulmonary arteries in rats	Batalha JRF;Saldiva PHN;Clarke RW;Coul BA;Stearns RC;Lawrence J;Krishna Murthy GG;Koutrakis P;Godleski JJ;	2002	110	12	1191	1197	40	Environment/Ecology	22	Y	40						2	8	10	13	7	
Environmental Science & Technology	Source apportionment of PM2.5 at an urban IMPROVE site in Seattle, Washington	Maykut NN;Lewtas J;Kim E;Larson TV;	2003	37	22	5135	5142	40	Environment/Ecology	17	Y	40							7	10	16	7	

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Environmental Science & Technology	Equivalence of elemental carbon by thermal/optical reflectance and transmittance with different temperature protocols.	Chow JC;Watson JG;Chen LW;Arnott WP;Moosm <sup>n</sup> ller H;Fung KK;	2004	38	16	4414	4422	40	Environment/Ecology	12	Y	40								8	20	12	
Environmental Science & Technology	Deconvolution and Quantification of Hydrocarbon-like and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry	Zhang Q;Alfarra MR;Worsnop DR;Allan JD;Coe H;Canagaratna MR;Jimenez JL;	2005	39	13	4938	4952	40	Environment/Ecology	6	Y	40								3	21	16	
Chemosphere - Global Change Science	Molecular characterization of smoke from campfire burning of pine wood (Pinus elliotii).	Simoneit BRT;Rogge WF;Lang Q;Jaffe R;	2000	2	1	107	122	39	Environment/Ecology	31	Y	39			2	7	6	8	4	10		2	
Chemosphere	Receptor modeling application framework for particle source apportionment	Watson JG;Zhu T;Chow JC;Engelbrecht JP;Fujita EM;Wilson WE;	2002	49	9	1093	1136	39	Environment/Ecology	22	Y	39						3	8	11	11	6	
Environmental Health Perspectives	Residential proximity to traffic and adverse birth outcomes in Los Angeles county, California, 1994-1996	Wilhelm M;Ritz B;	2003	111	2	207	216	39	Environment/Ecology	17	Y	39						2	7	11	15	4	
Environmental Health Perspectives	Inhalation of concentrated ambient air particles exacerbates myocardial ischemia in conscious dogs	Wellenius GA;Coull BA;Godleski JJ;Koutrakis P;Okabe K;Savage ST;Lawrence JE;Krishna Murthy GG;Verrier RL;	2003	111	4	402	408	39	Environment/Ecology	17	Y	39						2	8	11	11	7	
Environmental Science & Technology	Diffusive Exchange of Polycyclic Aromatic Hydrocarbons across the Air-Water Interface of the Patapsco River, an Urbanized Subestuary of the Chesapeake Bay	Bamford HA;Offenberg JH;Larsen RK;Ko FC;Baker JE;	1999	33	13	2138	2144	38	Environment/Ecology	33	Y	38	1	4	3	8	7	5	4	6			
Environmetrics	Bias in the case-crossover design: implications for studies of air pollution	Lumley T;Levy D;	2000	11	6	689	704	38	Environment/Ecology	31	Y	38			1	5	1	3	4	11	9	4	
Environmental Health Perspectives	The Concentration-Response Relation between PM2.5 and Daily Deaths	Schwartz J;Laden F;Zanobetti A;	2002	110	10	1025	1029	38	Environment/Ecology	22	Y	38						1	10	10	14	3	
Environmental Health Perspectives	A pilot investigation of the relative toxicity of indoor and outdoor fine particles: in vitro effects of endotoxin and other particulate properties	Long CM;Suh HH;Kobzik L;Catalano PJ;Ning YY;Koutrakis P;	2001	109	10	1019	1026	37	Environment/Ecology	25	Y	37					1	10	5	9	9	3	
Environmental Health Perspectives	Exposure assessment of particulate matter for susceptible populations in Seattle	Liu LS;Box M;Kalman D;Kaufman J;Koenig J;Larson T;Lumley T;Sheppard L;Wallace L;	2003	111	7	909	918	37	Environment/Ecology	17	Y	37						4	4	11	11	7	
Environmental Health Perspectives	A time-series analysis of acidic particulate matter and daily mortality and morbidity in the Buffalo, New York, region	Gwynn RC;Burnett RT;Thurston GD;	2000	108	2	125	133	36	Environment/Ecology	31	Y	36			4	7	1	7	8	6	3		
Environmental Health Perspectives	Systemic and cardiovascular effects of airway injury and inflammation: ultrafine particle exposure in humans	Frampton MW;	2001	109	S4	529	532	36	Environment/Ecology	25	Y	36			1	1	5	7	12	5	5		
Environmental Health Perspectives	Acute exposure to environmental tobacco smoke and heart rate variability	Pope CA;Eatough DJ;Gold DR;Pang Y;Nielsen KR;Nath P;Verrier RL;Kanner RE;	2001	109	7	711	716	36	Environment/Ecology	25	Y	36					1	2	8	8	13	4	
Environmental Health Perspectives	The temporal pattern of respiratory and heart disease mortality in response to air pollution	Zanobetti A;Schwartz J;Samoli E;Gryparis A;Touloumi G;Peacock J;Anderson RH;Le Tertre A;Bobros J;Celko M;Goren A;Forsberg B;Michelozzi P;Rabczenko D;Perez Hoyos S;Wichmann HE;Katsouyanni K;	2003	111	9	1188	1193	36	Environment/Ecology	17	Y	36								8	10	13	5
Environmental Science & Technology	Emissions of Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans from the Open Burning of Household Waste in Barrels	Lemieux PM;Lutes CC;Abbott JA;Aldous KM;	2000	34	3	377	384	35	Environment/Ecology	31	Y	35			2	5	9	5	2	6	4	2	
Environmental Health Perspectives	Biologic effects of oil fly ash	Ghio AJ;Silbajoris R;Carson JL;Samet JM;	2002	110	S1	89	94	35	Environment/Ecology	22	Y	35					4	3	10	7	5	6	
Environmental Health Perspectives	Health, Wealth, and Air Pollution: Advancing Theory and Methods	O'Neill MS;Jerrett M;Kawachi I;Levy JI;Cohen AJ;Gouveia N;Wilkinson P;Fletcher T;Cifuentes L;Schwartz J;	2003	111	16	1861	1870	35	Environment/Ecology	17	Y	35								6	8	15	6

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Environmental Science & Technology	Persistent organic pollutants in the dusts that settled across lower Manhattan after 11 September 2001	Offenberg JH;Eisenreich SJ;Chen LC;Cohen MD;Chee G;Prophete C;Weisel C;Lioy PJ;	2003	37	3	502	508	34	Environment/Ecology	17	Y	34						2	11	10	7	4	
Environmental Health Perspectives	Health and environmental consequences of the World Trade Center Disaster	Landrigan PJ;Lioy PJ;Thurston G;Berkowitz G;Chen LC;Chillrud SN;Gavett SH;Georgopoulos PG;Gehy AS;Levin S;Perera F;Rappaport SM;Small C;=NIEHS World Trade Center Working Group;	2004	112	6	731	739	34	Environment/Ecology	12	Y	34							4	10	14	6	
Environmental Science & Technology	Effect of relative humidity on the chemical composition of secondary organic aerosol formed from reactions of 1-tetradecene and O3	Tobias HJ;Docherty KS;Beving DE;Ziemann PJ;	2000	34	11	2116	2125	33	Environment/Ecology	31	Y	33			3	4	6	6	4	6	3	1	
Journal of Exposure Analysis and Environmental Epidemiology	The 1998 Baltimore Particulate Matter Epidemiology-Exposure Study: part 1. Comparison of ambient, residential outdoor, indoor and apartment particulate matter monitoring	Williams R;Suggs J;Zweidinger R;Evans G;Creason J;Kwok R;Rodes C;Lawless P;Sheldon L;	2000	10	6	518	532	32	Environment/Ecology	31	Y	32			1	5	3	7	3	5	6	2	
Journal of Exposure Analysis and Environmental Epidemiology	Assessing children's exposure to hazardous environmental chemicals: an overview of selected research challenges and complexities	Needham LL;Sexton K;	2000	10	6	611	629	32	Environment/Ecology	31	Y	32					2	3	5	14	4	4	
Environmental Science & Technology	Comparison of personal, indoor, and outdoor exposures to hazardous air pollutants in three urban communities	Sexton K;Adgate JL;Ramachandran G;Pratt GC;Mongin SJ;Stock TH;Morandi MT;	2004	38	2	423	430	32	Environment/Ecology	12	Y	32							4	10	10	8	
Journal of Exposure Analysis and Environmental Epidemiology	The 1998 Baltimore Particulate Matter Epidemiology-Exposure Study: part 2. Personal exposure assessment associated with an elderly study population	Williams R;Suggs J;Creason J;Rodes C;Lawless P;Kwok R;Zweidinger R;Sheldon L;	2000	10	6	533	543	31	Environment/Ecology	31	Y	31			6	3	6	4	7	4	4	1	
Environmental Science & Technology	Mobile Laboratory with Rapid Response Instruments for Real-time Measurements of Urban and Regional Trace Gas and Particulate Distributions and Emission Source Characteristics	Kolb CE;Herndon SC;McManus JB;Shorter JH;Zahniser MS;Nelson DD;Jayne JT;Canagaratna MR;Worsnop DR;	2004	38	21	5694	5703	31	Environment/Ecology	12	Y	31									11	11	9
Environmental Science & Technology	Diurnal Variations of Individual Organic Compound Constituents of Ultrafine and Accumulation Mode Particulate Matter in the Los Angeles Basin	Fine PM;Chakrabarti B;Krudysz M;Schauer JJ;Sioutas C;	2004	38	5	1296	1304	31	Environment/Ecology	12	Y	31							2	10	12	7	
Environmental Science & Technology	Comparison of light scattering devices and impactors for particulate measurements in indoor, outdoor, and personal environments	Liu LS;Slaughter C;Larson T;	2002	36	13	2977	2986	29	Environment/Ecology	22	Y	29						5	4	9	10	1	
Environmental Health Perspectives	Cardiovascular and systemic responses to inhaled pollutants in rodents: Effects of ozone and particulate matter	Watkinson WP;Campen MJ;Nolan JP;Costa DL;	2001	109	S4	539	546	28	Environment/Ecology	25	Y	28			3	2	4	7	4	6	2		
Environmental Science & Technology	Mass Spectrometry of Individual Particles Between 50 and 750 nm in Diameter at the Baltimore Supersite	Lake DA;Tolocka MP;Johnston MV;Wexler AS;	2003	37	15	3268	3274	28	Environment/Ecology	17	Y	28							8	7	11	2	
Applied and Occupational Environmental Hygiene	Indoor Environmental Quality in Six Commercial Office Buildings in the Midwest United States	Reynolds SJ;Black DW;Borin SS;Breuer G;Burmeister LF;Fuortes LJ;Smith TF;Stein MA;Subramanian P;Thorne PS;Whitten P;	2001	16	11	1065	1077	27	Environment/Ecology	25	Y	27						5	4	9	5	4	
Environmental Health Perspectives	Chemical analysis of World Trade Center fine particulate matter for use in toxicological assessment	McGee JK;Chen LC;Cohen MD;Chee GR;Prophete CM;Haykal-Coates N;Wasson SJ;Conner TL;Costa DL;Gavett SH;	2003	111	7	972	980	27	Environment/Ecology	17	Y	27							2	9	9	5	2

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Environmental Health Perspectives	Particle concentrations in inner-city homes of children with asthma: the effect of smoking, cooking, and outdoor pollution	Wallace LA;Mitchell H;O'Connor GT;Neas L;Lippmann M;Kattan M;Koenig J;Stout JW;Vaughn BJ;Wallace D;Walter M;Adams K;Liu LS;	2003	11	9	1265	1272	27	Environment/Ecology	17	Y	27						1	4	10	5	7	
Environmental Science & Technology	Emissions of Metals Associated with Motor Vehicle Roadways	Lough GC;Schauer JJ;Park JS;Shafer MM;DeMinter JT;Weinstein JP;	2005	39	3	826	836	27	Environment/Ecology	6	Y	27									18	9	
Environmental Science & Technology	Secondary Organic Aerosol Formation from the Ozonolysis of Cycloalkenes and Related Compounds	Keywood M;Varutbangkul V;Bahreini R;Flagan RC;Seinfeld JH;	2004	38	15	4157	4164	26	Environment/Ecology	12	Y	26							1	9	9	7	
Environmental Science & Technology	Measurements of Secondary Organic Aerosol from Oxidation of Cycloalkenes, Terpenes, and m-Xylene Using an Aerodyne Aerosol Mass Spectrometer	Bahreini R;Keywood MD;Ng NL;Varutbangkul V;Gao S;Flagan RC;Seinfeld JH;Worsnop DR;Jimenez JL;	2005	39	15	5674	5688	26	Environment/Ecology	6	Y	26									2	15	9
Environmental Science & Technology	A 3D Eulerian source-oriented model for an externally mixed aerosol.	Kleeman MJ;Cass GR;	2001	35	24	4834	4848	25	Environment/Ecology	25	Y	25					3	5	3	5	4	5	
Environmental Science & Technology	Using sulfur as a tracer of outdoor fine particulate matter	Sarnat JA;Long CM;Koutrakis P;Coull BA;Schwartz J;Suh HH;	2002	36	24	5305	5314	25	Environment/Ecology	22	Y	25						1	2	10	10	2	
Environmental Science & Technology	Exposure to particulate matter, volatile organic compounds, and other air pollutants inside patrol cars	Riediker M;Williams R;Devlin RB;Griggs T;Bromberg PA;	2003	37	10	2084	2093	25	Environment/Ecology	17	Y	25							4	5	9	7	
Environmental Health Perspectives	Effects of Air Pollution on Heart Rate Variability: The VA Normative Aging Study	Park SK;O'Neill MS;Vokonas PS;Sparrow D;Schwartz J;	2005	113	3	304	309	25	Environment/Ecology	6	Y	25									4	14	7
Environmental Health Perspectives	The U.S. Environmental Protection Agency Particulate Matter Health Effects Research Centers Program: A Midcourse Report of Status, Progress, and Plans	Lippmann M;Frampton M;Schwartz J;Dockery D;Schlesinger R;Koutrakis P;Froines J;Nel A;Finkelstein J;Godleski J;Kaufman J;Koenig J;Larson T;Luchtel D;Liu LS;Oberdorster G;Peters A;Sarnat J;Sioutas C;Suh H;Sullivan J;Utell M;Vichmann E;Zelikoff J;	2003	111	8	1074	1092	24	Environment/Ecology	17	Y	24							2	2	7	9	4
Environmental Science & Technology	Analysis of ambient particle size distributions using UNMIX and positive matrix factorization	Kim E;Hopke PK;Larson TV;Covert DS;	2004	38	1	202	209	24	Environment/Ecology	12	Y	24								4	6	10	4
Environmental Science & Technology	Use of real-time light scattering data to estimate the contribution of infiltrated and indoor-generated particles to indoor air	Allen R;Larson T;Sheppard L;Wallace L;Liu LS;	2003	37	16	3484	3492	23	Environment/Ecology	17	Y	23							5	5	10	3	
Environmental Health Perspectives	Ultrafine particle deposition in subjects with asthma	Chalupa DC;Morrow PE;Oberdorster G;Utell MJ;Frampton MW;	2004	112	8	879	882	23	Environment/Ecology	12	Y	23									6	12	5
Environmental Science & Technology	Isoprene Forms Secondary Organic Aerosol through Cloud Processing: Model Simulations	Lim H;Carlton AG;Turpin BJ;	2005	39	12	4441	4446	23	Environment/Ecology	6	Y	23									1	13	9
Environmental Health Perspectives	The Effect of Particulate Air Pollution on Emergency Admissions for Myocardial Infarction: A Multicity Case-Crossover Analysis	Zanobetti A;Schwartz J;	2005	113	8	978	982	22	Environment/Ecology	6	Y	22									2	13	7
Environmental Health Perspectives	Cause-Specific Mortality and the Extended Effects of Particulate Pollution and Temperature Exposure	Goodman PG;Dockery DW;Clancy L;	2004	112	2	179	185	21	Environment/Ecology	12	Y	21							1	8	9	3	
Environmental Health Perspectives	Association of FEV1 in asthmatic children with personal and microenvironmental exposure to airborne particulate matter	Delfino RJ;Quintana PJ;Floro J;Gastanaga VM;Samimi BS;Kleinman MT;Liu LS;Bufalino C;Wu CF;McLaren CE;	2004	112	8	932	941	20	Environment/Ecology	12	Y	20									3	13	4
Environmental Science & Technology	Secondary Organic Aerosol Formation from Cyclohexene Ozonolysis: Effect of OH Scavenger and the Role of Radical Chemistry	Keywood MD;Kroll JH;Varutbangkul V;Bahreini R;Flagan RC;Seinfeld JH;	2004	38	12	3343	3350	19	Environment/Ecology	12	Y	19								3	8	5	3

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Environmental Health Perspectives	Association of Air Pollution with Increased Incidence of Ventricular Tachyarrhythmias Recorded by Implanted Cardioverter Defibrillators	Dockery DW;Luttmann-Gibson H;Rich DQ;Link M;Mittleman M;Gold D;Kourakis P;Schwartz J;Verrier RL;	2005	113	6	670	674	19	Environment/Ecology	6	Y	19									14	5	
Environmental Health Perspectives	World Trade Center fine particulate matter causes respiratory tract hyperresponsiveness in mice	Gavett SH;Haykal-Coates N;Highfill JW;Ledbetter AD;Chen LC;Cohen MD;Harkema JR;Wagner JG;Costa DL;	2003	111	7	981	991	18	Environment/Ecology	17	Y	18					2	4	2	9		1	
Environmental Health Perspectives	Sample characterization of automobile and forklift diesel exhaust particles and comparative pulmonary toxicity in mice	Singh P;DeMarini DM;Dick CAJ;Tabor DG;Ryan JV;Linak WP;Kobayashi T;Gilmour MI;	2004	112	8	820	825	18	Environment/Ecology	12	Y	18							4	4	7	3	
Environmental Science & Technology	Source Strengths of Ultrafine and Fine Particles Due to Cooking with a Gas Stove	Wallace LA;Emmerich SJ;Howard-Reed C;	2004	38	8	2304	2311	18	Environment/Ecology	12	Y	18								5	9	4	
Environmental Health Perspectives	Potential role of ultrafine particles in associations between airborne particle mass and cardiovascular health	Delfino RJ;Sioutas C;Malik S;	2005	113	8	934	946	18	Environment/Ecology	6	Y	18								2	8	8	
Environmental Science & Technology	Atmospheric Reactions Influence Seasonal PAH and Nitro-PAH Concentrations in the Los Angeles Basin	Reisen F;Arey J;	2005	39	1	64	73	17	Environment/Ecology	6	Y	17									1	9	7
Environmental Health Perspectives	Bioassay-directed fractionation and salmonella mutagenicity of automobile and forklift diesel exhaust particles.	DeMarini DM;Brooks LR;Warren SH;Kobayashi T;Gilmour MI;Singh P;	2004	112	8	814	819	16	Environment/Ecology	12	Y	16							4	4	6	2	
Environmental Health Perspectives	Is the association of airborne particles with daily deaths confounded by gaseous air pollutants? An approach to control by matching	Schwartz J;	2004	112	5	557	561	16	Environment/Ecology	12	Y	16									6	7	3
Environmental Science & Technology	NO and NO2 Emission Ratios Measured from In-Use Commercial Aircraft during Taxi and Take-Off	Herndon SC;Shorter JH;Zahniser MS;Nelson DD;Jayne J;Brown RC;Miake-Lye RC;Waitz I;Silva P;Lanni T;Demerjian K;Kolb CE;	2004	38	22	6078	6084	16	Environment/Ecology	12	Y	16									7	8	1
Environmental Health Perspectives	Seasonal variations in air pollution particle-induced inflammatory mediator release and oxidative stress	Becker S;Dailey LA;Soukup JM;Grambow SC;Devlin RB;Huang YC;	2005	113	8	1032	1038	16	Environment/Ecology	6	Y	16										6	10
Environmental Science & Technology	Impact of the 2002 Canadian Forest Fires on Particulate Matter Air Quality in Baltimore City	Sapkota A;Symons JM;Kleissl J;Wang L;Parlange MB;Ondov J;Breyse PN;Diette GB;Eggleston PA;Buckley TJ;	2005	39	1	24	32	16	Environment/Ecology	6	Y	16									1	11	4
Environmental Science & Technology	Secondary Organic Aerosol Production from Terpene Ozonolysis. 2. Effect of NOx Concentration	Presto AA;Huff Hartz KE;Donahue NM;	2005	39	18	7046	7054	16	Environment/Ecology	6	Y	16										8	8
Environmental Health Perspectives	Outdoor, indoor, and personal exposure to VOCs in children	Adgate JL;Church TR;Ryan AD;Ramachandran G;Fredrickson AL;Stock TH;Morandi MT;Sexton K;	2004	112	14	1386	1392	15	Environment/Ecology	12	Y	15									4	5	6
Environmental Health Perspectives	Asthma and farm exposures in a cohort of rural Iowa children	Merchant JA;Naleway AL;Svendsen ER;Kelly KM;Burmeister LF;Stromquist AM;Taylor CD;Thorne PS;Reynolds SJ;Sanderson WT;Chrischilles EA;	2005	113	3	350	356	15	Environment/Ecology	6	Y	15									5	5	5
Environmental Science & Technology	Secondary Organic Aerosol Production from Terpene Ozonolysis. 1. Effect of UV Radiation	Presto AA;Huff Hartz KE;Donahue NM;	2005	39	18	7036	7045	15	Environment/Ecology	6	Y	15										9	6
Environmental Health Perspectives	Children's exposure to environmental tobacco smoke: using diverse exposure metrics to document ethnic/racial differences	Sexton K;Adgate JL;Church TR;Hecht SS;Ramachandran G;Greaves IA;Fredrickson AL;Ryan AD;Carmella SG;Geisser MS;	2004	112	3	392	397	14	Environment/Ecology	12	Y	14							1	4	6	3	
Environmental Health Perspectives	Pulmonary effects of indoor- and outdoor-generated particles in children with asthma	Koenig JQ;Mar TF;Allen RW;Jansen K;Lumley T;Sullivan JH;Trenga CA;Larson TV;Liu LS;	2005	113	4	499	503	14	Environment/Ecology	6	Y	14									3	6	5
Environmental Science & Technology	Quantifying Hazardous Species in Particulate Matter Derived from Fossil-Fuel Combustion	Huggins FE;Huffman GP;Linak WP;Miller CA;	2004	38	6	1836	1842	13	Environment/Ecology	12	Y	13							3	2	5	3	







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Environmental Science & Technology	Chemistry of Particle Inception and Growth during a-Pinene Ozonolysis	Tolocka MP;Heaton KJ;Dreyfus MA;Wang S;Zordan CA;Saul TD;Johnston MV;	2006	40	6	1843	1848	4	Environment/Ecology	2	Y	4									2	2	
Journal of Exposure Science and Environmental Epidemiology	PM source apportionment and health effects: 1. Intercomparison of source apportionment results	Hopke PK;Ito K;Mar T;Christensen WF;Eatough DJ;Henry RC;Kim E;Laden F;Lall R;Larson TV;Liu H;Neas L;Pinto J;Stolzel M;Suh H;Paatero P;Thurston GD;	2006	16	3	275	286	4	Environment/Ecology	2	Y	4									2	2	
Environmental Health Perspectives	Factors Affecting the Association between Ambient Concentrations and Personal Exposures to Particles and Gases	Sarnat SE;Coull B;Schwartz J;Gold DR;Suh HH;	2006	114	5	649	654	4	Environment/Ecology	2	Y	4									2	2	
Environmental Science & Technology	Evaluation of Urinary Methoxyphenols as Biomarkers of Woodsmoke Exposure	Dills RL;Paulsen M;Ahmad J;Kalman DA;Elias FN;Simpson CD;	2006	40	7	2163	2170	4	Environment/Ecology	2	Y	4									1	3	
Environmental Science & Technology	Secondary Organic Carbon and Aerosol Yields from the Irradiations of Isoprene and a-Pinene in the Presence of NOx and SO2	Kleindienst TE;Edney EO;Lewandowski M;Offenberg JH;Jaoui M;	2006	40	12	3807	3812	4	Environment/Ecology	2	Y	4										4	
Environmental Health Perspectives	Inhalation of ultrafine particles alters blood leukocyte expression of adhesion molecules in humans	Frampton MW;Stewart JC;Oberdorster G;Morrow PE;Chalupa D;Pietropaoli AP;Frasier LM;Speers DM;Cox C;Huang L;Utell MJ;	2006	114	1	51	58	3	Environment/Ecology	2	Y	3									2	1	
Environmental Science & Technology	Source Apportionment of Molecular Markers and Organic Aerosol. 3. Food Cooking Emissions	Robinson AL;Subramanian R;Donahue NM;Bernardo-Bricker A;Rogge WF;	2006	40	24	7820	7827	3	Environment/Ecology	2	Y	3										3	
Journal of Environmental Monitoring	Comparison of 24 h averaged VOC monitoring results for residential indoor and outdoor air using Carbopack X-filled diffusive samplers and active sampling - a pilot study.	McClenny WA;Jacumin HH;Oliver KD;Daughtrey EH;Whitaker DA;	2006	8	2	263	269	3	Environment/Ecology	2	Y	3									2	1	
Science of The Total Environment	Variations of nanoparticle concentrations at the Fresno Supersite	Watson JG;Chow JC;Lowenthal DH;Kreisberg NM;Hering SV;Stolzenburg MR;	2006	358	1-3	178	187	3	Environment/Ecology	2	Y	3									2	1	
Environmental Health Perspectives	Increased Risk of Paroxysmal Atrial Fibrillation Episodes Associated with Acute Increases in Ambient Air Pollution	Rich DQ;Mittleman MA;Link MS;Schwartz J;Luttmann-Gibson H;Catalano PJ;Speizer FE;Gold DR;Dockery DW;	2006	114	1	120	123	2	Environment/Ecology	2	Y	2									1	1	
Environmental Science & Technology	Source Apportionment of Molecular Markers and Organic Aerosol-1. Polycyclic Aromatic Hydrocarbons and Methodology for Data Visualization	Robinson AL;Subramanian R;Donahue NM;Bernardo-Bricker A;Rogge WF;	2006	40	24	7803	7810	2	Environment/Ecology	2	Y	2										2	
Environmental Health Perspectives	A survey of laboratory and statistical issues related to farmworker exposure studies	Barr DB;Landsittel D;Nishioka M;Thomas K;Curwin B;Raymer J;Donnelly KC;McCauley L;Ryan PB;	2006	114	6	961	968	2	Environment/Ecology	2	Y	2									2		
Environmental Science & Technology	Comparison of daytime and nighttime concentration profiles and size distributions of ultrafine particles near a major highway	Zhu Y;Kuhn T;Mayo P;Hinds WC;	2006	40	8	2531	2536	2	Environment/Ecology	2	Y	2										2	
Environmental Health Perspectives	Air Pollution, Smoking, and Plasma Homocysteine	Baccarelli A;Zanobetti A;Martinelli I;Grillo P;Hou L;Lanzani G;Mannucci PM;Bertazzi PA;Schwartz J;	2007	115	2	176	181	1	Environment/Ecology	1	Y	1											1
Atmospheric Environment	Levogluconan, a tracer for cellulose in biomass burning and atmospheric particles	Simoneit BRT;Schauer JJ;Nolte CG;Oros DR;Elias VO;Fraser MP;Rogge WF;Cass GR;	1999	33	2	173	182	188	Geosciences	32	Y	188		3	6	17	27	17	26	21	49	22	

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Journal of Geophysical Research D - Atmospheres	Asian dust events of April 1998.	Husar RB;Tratt DM;Schichtel BA;Falke SR;Li F;Jaffe D;Gasso S;Gill T;Laulainen NS;Lu F;Reheis MC;Chun Y;Westphal D;Holben BN;Gueymard C;McKendry I;Kuring N;Feldman GC;McClain C;Frouin R;Merrill J;DuBois D;Vignola F;Murayama T;Nickovic S;Wilson WE;Sassen K;Sugimoto N;Malm WC;	2001	106	D16	18317	18330	178	Geosciences	24	Y	178				1	15	45	40	33	31	15	
Atmospheric Environment	Natural emissions of non-methane volatile organic compounds, carbon monoxide, and oxides of nitrogen from North America	Guenther A;Geron C;Pierce T;Lamb B;Harley P;Fall R;	2000	34	12-14	2205	2230	174	Geosciences	28	Y	174			5	12	18	34	29	29	32	15	
Journal of Atmospheric Chemistry	Gas-Phase Ozone Oxidation of Monoterpenes: Gaseous and Particulate Products	Yu J;Cocker DR;Griffin RJ;Flagan RC;Seinfeld JH;	1999	34	2	207	258	170	Geosciences	32	Y	170			10	29	16	28	20	29	20	18	
Journal of Geophysical Research D - Atmospheres	Organic Aerosol Formation from the Oxidation of Biogenic Hydrocarbons	Griffin RJ;Flagan RC;Seinfeld JH;	1999	104	D3	3555	3567	166	Geosciences	32	Y	166		4	13	20	11	22	17	29	35	15	
Aquatic Geochemistry	ISORROPIA: a new thermodynamic equilibrium model for multiphase multicomponent inorganic aerosols.	Nenes A;Pandis SN;Pilinis C;	1998	4		123	152	149	Geosciences	36	Y	149		3	5	9	13	17	16	24	39	23	
Journal of Geophysical Research D - Atmospheres	Global simulation of tropospheric O3-NOx-hydrocarbon chemistry, 1. Model formulation	Wang YH;Jacob DJ;Logan JA;	1998	103	D9	10713	10726	148	Geosciences	36	Y	148	4	16	15	14	18	27	7	17	15	15	
Bulletin of the American Meteorological Society	Biogenic Hydrocarbons in the Atmospheric Boundary Layer: A Review	Fuentes JD;Lerdau M;Atkinson R;Baldocchi D;Bottenheim JW;Ciccioli P;Lamb B;Geron C;Gu L;Guenther A;Sharkey TD;Stockwell W;	2000	81	7	1537	1575	130	Geosciences	28	Y	130			1	9	17	24	31	22	13	13	
Journal of Geophysical Research D - Atmospheres	Inventorying emissions from nature in Europe.	Simpson D;Winiwarter W;Borjesson G;Cinderby S;Ferreiro A;Guenther A;Hewitt CN;Janson R;Khalil MAK;Owen S;Pierce TE;Puxbaum H;Shearer M;Skiba U;Steinbrecher R;Tarrason L;Quist MG;	1999	104	D7	8113	8152	121	Geosciences	32	Y	121		1	6	22	14	18	8	25	19	8	
Atmospheric Environment	Study of Ultrafine Particles Near a Major Highway with Heavy-duty Diesel Traffic	Zhu Y;Hinds WC;Kim S;Shen S;Sioutas C;	2002	36	27	4323	4335	121	Geosciences	19	Y	121						8	23	38	31	21	
Journal of Geophysical Research D - Atmospheres	Global simulation of tropospheric O3-NOx-hydrocarbon chemistry, 2. Model evaluation.	Wang YH;Logan JA;Jacob DJ;	1998	103	D9	10727	10756	116	Geosciences	36	Y	116	6	17	17	20	15	14	11	3	4	9	
Atmospheric Environment	NARSTO critical review of photochemical models and modeling	Russell A;Dennis R;	2000	34	12-14	2283	2324	112	Geosciences	28	Y	112			3	7	19	20	11	15	30	7	
Journal of Geophysical Research D - Atmospheres	Introduction to special section: Outstanding problems in quantifying the radiative impact of mineral dust.	Sokolik IN;Winker DM;Bergametti G;Gillette DA;Charmichal G;Kaufman YJ;Gomes L;Schuetz L;Penner JE;	2001	106	D16	18015	18027	92	Geosciences	24	Y	92					3	27	13	15	22	12	
Journal of Geophysical Research D - Atmospheres	Global simulation of tropospheric O3-NOx-hydrocarbon chemistry, 3. Origin of tropospheric ozone and effects of non-methane hydrocarbons.	Wang YH;Jacob DJ;Logan JA;	1998	103	D9	10757	10768	87	Geosciences	36	Y	87	2	12	16	14	17	15	2	3	3	3	
Journal of Geophysical Research D - Atmospheres	Ambient aerosol sampling using the Aerodyne Aerosol Mass Spectrometer	Jimenez JL;Jayne JT;Shi Q;Kolb CE;Worsnop DR;Yourshaw I;Seinfeld JH;Flagan RC;Zhang X;Smith KA;Morris JW;Davidovits P;	2003	108	D7	8425		85	Geosciences	15	Y	85								20	16	29	20
Geophysical Research Letters	Estimate of Global Atmospheric Organic Aerosol from Oxidation of Biogenic Hydrocarbons	Griffin RJ;Cocker DR;Seinfeld JH;Dabdub D;	1999	26	17	2721	2724	84	Geosciences	32	Y	84			3	6	8	18	11	15	15	8	
Atmospheric Environment	Evaluation of secondary organic aerosol formation in winter	Strader R;Lurmann F;Pandis SN;	1999	33		4849	4863	83	Geosciences	32	Y	83		1	2	3	13	7	13	20	14	10	
Journal of Geophysical Research D - Atmospheres	The effect of organic coatings on the cloud condensation nuclei activation of inorganic atmospheric aerosol	Cruz CN;Pandis SN;	1998	103	D11	13111	13124	81	Geosciences	36	Y	81		5	8	10	8	9	14	10	14	3	

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Geophysical Research Letters	Direct observation of OH production from the ozonolysis of olefins	Donahue NM;Kroll JH;Anderson JG;Demerjian KL;	1998	25	1	59	62	76	Geosciences	36	Y	76	8	13	10	14	8	9	4	7	2	1
Atmospheric Environment	A comparative review of inorganic aerosol thermodynamic equilibrium modules: similarities, differences, and their likely causes.	Zhang Y;Seigneur C;Seinfeld JH;Jacobson M;Clegg SL;Binkowski FS;	2000	34	1	117	137	73	Geosciences	28	Y	73			4	5	13	13	10	12	12	4
Journal of Geophysical Research D - Atmospheres	Influence of increased isoprene emissions on regional ozone modeling	Pierce T;Geron C;Bender L;Dennis R;Tonnesen G;Guenther A;	1998	103	D19	25611	25630	69	Geosciences	36	Y	69	1	8	5	7	11	10	15	9		3
Geophysical Research Letters	Observation of Gaseous and Particulate Products of Monoterpene Oxidation in Forest Atmospheres	Yu JZ;Griffin RJ;Cocker DR;Flagan RC;Seinfeld JH;Blanchard P;	1999	26	8	1145	1148	67	Geosciences	32	Y	67			6	10	9	14	12	12	4	
Journal of Geophysical Research D - Atmospheres	A multilayer model for inferring dry deposition using standard meteorological measurements.	Meyers TP;Finkelstein P;Clarke J;Ellestad TG;Sims PF;	1998	103	D17	22645	22661	64	Geosciences	36	Y	64	4	7	3	13	13	4	6	11		3
Journal of Geophysical Research D - Atmospheres	Measurements of free radicals OH and HO2 in Los Angeles smog.	George LA;Hard TM;O'Brien RJ;	1999	104	D9	11,643	11,655	59	Geosciences	32	Y	59				4	12	18	9	8	5	3
Atmospheric Environment	Review of volatile organic compound source apportionment by chemical mass balance	Watson JG;Chow JC;Fujita EM;	2001	35	9	1567	1584	59	Geosciences	24	Y	59				1	11	5	10	13	15	4
Atmospheric Environment	Integrated and real-time diffusion denuder sampler for PM2.5	Eatough DJ;Obeidi F;Pang Y;Ding Y;Eatough NL;Wilson WE;	1999	33	17	2835	2844	53	Geosciences	32	Y	53	1	2	5	13	8	11	8	5		
Atmospheric Environment	Studying the effects of calcium and magnesium on size-distributed nitrate and ammonium with EQUISOLV II	Jacobson MZ;	1999	33	22	3635	3649	53	Geosciences	32	Y	53			4	4	8	9	5	11	10	2
Atmospheric Environment	Refinements to the particle-into-liquid sampler (PILS) for ground and airborne measurements of water soluble aerosol composition	Orsini DA;Ma Y;Sullivan A;Sierau B;Baumann K;Weber RJ;	2003	37	9-10	1243	1259	53	Geosciences	15	Y	53						5	16	10	15	7
Geophysical Research Letters	Temperature and pressure dependent kinetics of the gas-phase reaction of the hydroxyl radical with nitrogen dioxide.	Dransfield TJ;Perkins KK;Donahue NM;Anderson JG;Sprengnether MM;Demerjian KL;	1999	26	6	687	690	52	Geosciences	32	Y	52	11	12	11	3	7	1	2	5		
Atmospheric Environment	Prediction of multicomponent inorganic atmospheric aerosol behavior	Ansari AS;Pandis SN;	1999	33	5	745	757	52	Geosciences	32	Y	52	4	5	2	6	6	7	11	9		2
Atmospheric Environment	A review and synthesis of monoterpene speciation from forests in the United States	Geron C;Rasmussen R;Arnts RR;Guenther A;	2000	34	11	1761	1781	49	Geosciences	28	Y	49				3	7	13	6	10	6	4
Atmospheric Environment	Continued development and testing of a new thermodynamic aerosol module for urban and regional air quality models.	Nenes A;Pandis SN;Pilinis C;	1999	33	10	1553	1560	48	Geosciences	32	Y	48			2	3	4	11	5	9	9	5
Journal of Geophysical Research D - Atmospheres	Studying the effects of aerosols on vertical photolysis rate coefficient and temperature profiles over an urban airshed	Jacobson MZ;	1998	103	D9	10593	10604	47	Geosciences	36	Y	47	6	7	7	4	9	5	6	1		2
Atmospheric Environment	Modal aerosol dynamics model for Europe: development and first applications	Ackermann IJ;Hass H;Memesheimer M;Ebel A;Binkowski FS;Shankar U;	1998	32	17	2981	2999	46	Geosciences	36	Y	46			1	3	5	6	8	9	11	3
Atmospheric Environment	Secondary organic aerosol formation from the oxidation of aromatic hydrocarbons in the presence of dry submicron ammonium sulfate aerosol	Kleindienst TE;Smith DF;Li W;Edney EO;Driscoll DJ;Speer RE;Weathers WS;	1999	33	22	3669	3681	46	Geosciences	32	Y	46	1	1	7	4	4	7	8	11		3
Journal of Geophysical Research D - Atmospheres	Modeling the formation of secondary organic aerosol within a comprehensive air quality model system	Schell B;Ackermann IJ;Hass H;Binkowski FS;Ebel A;	2001	106	D22	28275	28294	46	Geosciences	24	Y	46					2	7	12	5	13	7
Atmospheric Environment	Evaluating the performance of regional-scale photochemical modeling systems: Part II--ozone predictions	Hogrefe C;Rao ST;Kasibhatla P;Hao W;Sistla G;Mathur R;McHenry J;	2001	35	24	4175	4188	46	Geosciences	24	Y	46				3	1	9	6	12	12	3
Atmospheric Environment	Tethered balloon measurements of biogenic VOCs in the atmospheric boundary layer	Greenberg JP;Guenther A;Zimmerman P;Baugh W;Geron C;Davis K;Helmig D;Klinger LF;	1999	33	6	855	867	44	Geosciences	32	Y	44		1	4	7	9	7	5	3	8	
Journal of Geophysical Research D - Atmospheres	Characterization of atmospheric ammonia emissions from swine waste storage and treatment lagoons	Aneja VP;Chauhan JP;Walker JT;	2000	105	D9	11535	11546	42	Geosciences	28	Y	42			1	4	6	12	5	3	10	1

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Journal of Geophysical Research D - Atmospheres	Models-3 Community Multiscale Air Quality (CMAQ) Model Aerosol Component. 1. Model Description	Binkowski FS;Roselle SJ;	2003	108	D6	4183		42	Geosciences	15	Y	42						2	8	7	14	11	
Journal of Geophysical Research D - Atmospheres	Isolating nitrated and aromatic aerosols and nitrated aromatic gases as sources of ultraviolet light absorption	Jacobson MZ;	1999	104	D3	3527	3542	41	Geosciences	32	Y	41		1	3	7	4	5	4	10	2	5	
Atmospheric Environment	Atmospheric transport and wet deposition of ammonium in North Carolina	Walker JT;Aneja VP;Dickey D;	2000	34	20	3407	3418	40	Geosciences	28	Y	40			1	3	4	9	4	7	10	2	
Applied Geochemistry	Identification and emission factors of molecular tracers in organic aerosols from biomass burning Part 1. Temperate climate conifers	Oros DR;Simoneit BRT;	2001	16	13	1513	1544	40	Geosciences	24	Y	40					2	4	9	6	10	9	
Journal of Geophysical Research D - Atmospheres	Secondary organic aerosol 1, Atmospheric chemical mechanism for production of molecular constituents	Griffin RJ;Dabdub D;Seinfeld JH;	2002	107	D17	4332		40	Geosciences	19	Y	40						4	12	12	7	5	
Journal of Geophysical Research D - Atmospheres	Seasonal course of isoprene emissions from a midlatitude deciduous forest	Goldstein AH;Goulden ML;Munger JW;Wofsy SC;Geron CD;	1998	103	D23	31045	31056	39	Geosciences	36	Y	39		4	8	6	6	2	3	4	4	2	
Atmospheric Environment	Size Distribution and Diurnal Characteristics of Particle-bound Metals in Source and Receptor Sites of the Los Angeles Basin	Singh M;Jaques P;Sioutas C;	2002	36	10	1675	1689	39	Geosciences	19	Y	39						7	4	12	9	7	
Atmospheric Environment	Comparison Of Scientific Findings From Major Ozone Field Studies In North America And Europe	Solomon PA;Cowling E;Hidy G;Furiness C;	2000	34	12-14	1885	1920	37	Geosciences	28	Y	37			2	4	4	5	7	6	5	4	
Journal of Geophysical Research D - Atmospheres	Nighttime observations of anomalously high levels of hydroxyl radicals above a deciduous forest canopy.	Faloona I;Tan D;Brune W;Hurst JM;Barket DJ;Couch TL;Shepson P;Apel E;Riemer D;Thornberry T;Carrol MA;Sillman S;Keeler GJ;Sagady J;Hooper D;Paterson K;	2001	106	D20	24315	24334	37	Geosciences	24	Y	37					5	10		9	6	5	2
Journal of Geophysical Research D - Atmospheres	Observations of nonmethane hydrocarbons and oxygenated volatile organic compounds at a rural site in the southeastern United States.	Riemer D;Pos W;Milne P;Farmer C;Zika R;Apel E;Olszyna K;Kleindienst T;Lonneman W;Bertman S;Shepson P;Starn T;	1998	103	D21	28111	28128	36	Geosciences	36	Y	36			6	5	5	7	3	5	3	2	
Journal of Geophysical Research D - Atmospheres	HOx budgets in a deciduous forest: Results from the PROPHET summer 1998 campaign	Tan D;Faloona I;Simpas JB;Brune W;Shepson PB;Couch TL;Sumner AL;Carrol MA;Thornberry T;Apel E;Riemer D;Stockwell W;	2001	106	D20	24407	24428	36	Geosciences	24	Y	36					2	13		9	8	1	3
Atmospheric Environment	OH and HO2 chemistry in the urban atmosphere of New York City	Ren X;Harder H;Martinez M;Leshner RL;Oliger A;Simpas JB;Brune WH;Schwab JJ;Demerjian KL;He Y;Zhou X;Gao H;	2003	37	26	3639	3651	36	Geosciences	15	Y	36						1	5	12	12	6	
Applied Geochemistry	Identification and emission factors of molecular tracers in organic aerosols from biomass burning Part 2. Deciduous trees	Oros DR;Simoneit BRT;	2001	16	13	1545	1565	35	Geosciences	24	Y	35					1	7	6	3	10	8	
Atmospheric Environment	Organic aerosol growth by acid-catalyzed heterogeneous reactions of octanal in a flow reactor	Jang M;Lee S;Kamens RM;	2003	37	15	2125	2138	35	Geosciences	15	Y	35						2	9	11	10	3	
Atmospheric Environment	Origins of Fine Aerosol Mass in the Baltimore-Washington Corridor: Implications From Observation, Factor Analysis, and Ensemble Air Back Trajectory	Chen L;Doddridge BG;Dickerson RR;Chow JC;Henry RC;	2002	36	28	4541	4554	34	Geosciences	19	Y	34						4	9	10	9	2	
Journal of Atmospheric Chemistry	Mass balance of gaseous and particulate products from b-pinene/O3/air in the absence of light and b-pinene/NOx/air in the presence of natural sunlight.	Jaoui M;Kamens RM;	2003	45	2	101	141	34	Geosciences	15	Y	34							2	1	2	1	
Bulletin of the American Meteorological Society	An Operational Evaluation of Two Regional-Scale Ozone Air Quality Modeling Systems over the Eastern United States	Sistla G;Hao W;Ku JY;Kallous G;Zhang K;Mao H;Rao ST;	2001	82	5	945	964	33	Geosciences	24	Y	33				3	3	9	8	4	5	1	
Atmospheric Environment	Semi-volatile secondary organic aerosol in urban atmospheres: meeting a measurement challenge	Eatough DJ;Long RW;Modey WK;Eatough NL;	2003	37	9-10	1277	1292	32	Geosciences	15	Y	32						1	8	7	14	2	

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Atmospheric Chemistry and Physics	Hydrocarbon-like and oxygenated organic aerosols in Pittsburgh: insights into sources and processes or organic aerosols.	Zhang Q;Worsnop DR;Canagaratna MR;Jimenez JL;	2005	5	12	3289	3311	32	Geosciences	6	Y	32									15	17	
Journal of Geophysical Research D - Atmospheres	Secondary organic aerosol 3, Urban/regional scale model of size- and composition-resolved aerosols	Griffin RJ;Dabdub D;Kleeman MJ;Fraser MP;Cass GR;Seinfeld JH;	2002	107	D17	4334		31	Geosciences	19	Y	31					3	6	10	6		6	
Atmospheric Environment	Pittsburgh Air Quality Study Overview	Wittig AE;Anderson N;Khlystov AY;Pandis SN;Davidson C;Robinson AL;	2004	38	20	3107	3125	31	Geosciences	11	Y	31							3	8	17	3	
Atmospheric Environment	Improving source identification of Atlanta aerosol using temperature resolved carbon fractions in positive matrix factorization	Kim E;Hopke PK;Edgerton ES;	2004	38	20	3349	3362	31	Geosciences	11	Y	31							5	8	12	6	
Atmospheric Environment	A Computationally Efficient Hybrid Approach for Dynamic Gas/Aerosol Transfer in Air Quality Models	Capaldo KP;Pilinis C;Pandis SN;	2000	34	21	3617	3627	30	Geosciences	28	Y	30				2	4	4	4	3	9	4	
Journal of Geophysical Research D - Atmospheres	Chemical components of single particles measured with particle analysis by laser mass spectrometry (PALMS) during the Atlanta Supersite Experiment: Focus on organic/sulfate, lead, soot, and mineral particles.	Lee SH;Murphy DM;Thomson DS;Middlebrook AM;	2002	107	D1	4003		29	Geosciences	19	Y	29						9	4	6	10		
Atmospheric Environment	Comparison of mercury chemistry models	Ryaboshapko A;Bullock R;Ebinghaus R;Ilyin I;Lohman K;Munthe J;Petersen G;Seigneur C;Wangberg I;	2002	36	24	3881	3898	29	Geosciences	19	Y	29						4	2	8	7	8	
Journal of Geophysical Research D - Atmospheres	Secondary organic aerosol: 2. Thermodynamic model for gas/particle partitioning of molecular constituents	Pun BK;Griffin RJ;Seigneur C;Seinfeld JH;	2002	107	D17	4333		29	Geosciences	19	Y	29					4	3	11	7		4	
Atmospheric Research	Source identification of PM2.5 in an arid Northwest US city by positive matrix factorization	Kim E;Larson T;Hopke P;Slaughter C;Sheppard L;Claiborn C;	2003	66	4	291	305	29	Geosciences	15	Y	29						2	8	9	7	3	
Atmospheric Environment	Evolution of Particle Number Distribution near Roadways: Part II: The 'Road-to-Ambient' Process	Zhang KM;Wexler AS;Zhu YF;Hinds WC;Sioutas C;	2004	38	38	6655	6665	29	Geosciences	11	Y	29							1	10	9	9	
Journal of Geophysical Research D - Atmospheres	Aerosol time-of-flight mass spectrometry during the Atlanta Supersite Experiment: 1. Measurements	Liu DY;Wenzel RJ;Prather KA;	2003	108	D7	8426		28	Geosciences	15	Y	28							7	10	9	2	
Atmospheric Environment	Evaluating the performance of regional-scale photochemical modeling systems: Part I-- meteorological predictions	Hogrefe C;Rao ST;Kasibhatla P;Kallos G;Tremback CJ;Hao W;Olerud D;Xiu A;McHenry J;Alapaty K;	2001	35	24	4159	4174	27	Geosciences	24	Y	27				2	7	5	5	7	1		
Atmospheric Environment	Atmospheric mercury simulation using the CMAQ model: formulation description and analysis of wet deposition results	Bullock OR;Brehme KA;	2002	36	13	2135	2146	27	Geosciences	19	Y	27						2	3	6	10	6	
Atmospheric Environment	Intercomparison and evaluation of four semi-continuous PM2.5 sulfate instruments	Drewnick F;Schwab JJ;Hogrefe O;Peters S;Husain L;Diamond D;Weber R;Demerjian KL;	2003	37	24	3335	3350	27	Geosciences	15	Y	27							11	5	8	3	
Atmospheric Environment	Formation of 2-methyl tetrols and 2-methylglyceric acid in secondary organic aerosol from laboratory irradiated isoprene/NOX/SO2/air mixtures and their detection in ambient PM2.5 samples collected in the eastern United States	Edney EO;Kleindienst TE;Jaoui M;Lewandowski M;Offenberg JH;Wang W;Claeys M;	2005	39	29	5281	5289	27	Geosciences	6	Y	27									1	12	14
Atmospheric Environment	Isoprene emission capacity for US tree species	Geron C;Harley P;Guenther A;	2001	35	19	3341	3352	26	Geosciences	24	Y	26					2	4	4	6	5	5	
Geophysical Research Letters	Seasonal Variations in Elemental Carbon Aerosol, Carbon Monoxide, and Sulfur Dioxide: Implications for Sources	Chen L;Doddrige BG;Dickerson RR;Chow JC;Mueller PK;Quinn J;Butler WA;	2001	28		1711	1714	26	Geosciences	24	Y	26					5	4	6	7	2	2	
Journal of Geophysical Research D - Atmospheres	Modification of aerosol mass and size distribution due to aqueous-phase SO2 oxidation in clouds: Comparisons of several models	Kreidenweis SM;Walcek CJ;Feingold G;Gong W;Jacobson MZ;Kim C;Liu X;Penner JE;Nenes A;Seinfeld JH;	2003	108	D7	4213		26	Geosciences	15	Y	26							1	5	10	8	2

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Atmospheric Environment	Continuous measurement of fine and ultrafine particulate matter, criteria pollutants and meteorological conditions in Urban El Paso, Texas	Noble CA; Mukerjee S; Gonzales M; Rodes C; Lawless PA; Natarajan S; Myers EA; Norris GA; Smith L; Ozkaynak H; Neas L;	2003	37	6	827	840	26	Geosciences	15	Y	26							6	11	6	3	
Journal of Atmospheric Chemistry	Gaseous and particulate oxidation products analysis of a mixture of a-pinene + b-pinene/O3/Air in the absence of light and a-pinene + b-pinene/NOx/air in the presence of natural sunlight	Jaoui M; Kamens RM;	2003	44	3	259	297	26	Geosciences	15	Y	26						1	8	9	6	2	
Journal of Geophysical Research D - Atmospheres	Seasonal NH3 emission estimates for the eastern United States based on ammonium wet concentrations and an inverse modeling method.	Gilliland AB; Dennis RL; Roselle SJ; Pierce TE;	2003	108	D15	4477		25	Geosciences	15	Y	25							1	7	13	4	
Atmospheric Environment	Mass size distributions and size resolved chemical composition of fine particulate matter at the Pittsburgh Supersite	Cabada JC; Rees SL; Takahama S; Khlystov AY; Pandis SN; Davidson C; Robinson AL;	2004	38	20	3127	3141	25	Geosciences	11	Y	25							3	7	11	4	
Atmospheric Environment	Individual particle analysis of indoor, outdoor, and community samples from the 1998 Baltimore particulate matter study	Conner TL; Norris GA; Landis MS; Williams RW;	2001	35	23	3935	3946	24	Geosciences	24	Y	24					2	7	4	4	5	2	
Journal of Applied Meteorology	Development of a Land Surface Model. Part I: Application in a Mesoscale Meteorological Model	Xiu A; Pleim JE;	2001	40	2	192	209	24	Geosciences	24	Y	24					2	2	5	4	9	2	
Journal of Geophysical Research D - Atmospheres	Size-Resolved Ultrafine Particle Composition Analysis Part 2: Houston	Phares DJ; Rhoads KP; Johnston MV; Wexler AS;	2003	108	D7	8420		22	Geosciences	15	Y	22						3	3	6	9	1	
Atmospheric Environment	Indoor/outdoor relationship and chemical composition of fine and coarse particles in the southern California deserts	Geller MD; Chang M; Sioutas C; Ostro BD; Lipsett MJ;	2002	36	6	1099	1110	21	Geosciences	19	Y	21						4	6	4	4	3	
Geophysical Research Letters	Ozone production rate and hydrocarbon reactivity in 5 urban areas: a cause of high ozone concentration in Houston	Kleinman LI; Daum PH; Imre D; Lee Y; Nunnermacker J; Springston SR; Weinstein-Lloyd J; Rudolph J;	2002	29	10	1467		21	Geosciences	19	Y	21						4	11	3	1	2	
Atmospheric Environment	Polar organic oxygenates in PM2.5 at a southeastern site in the United States	Edney EO; Kleindienst TE; Conner TS; McIver CD; Corse EW; Weathers WS;	2003	37	28	3947	3965	21	Geosciences	15	Y	21							6	5	7	3	
Atmospheric Environment	Biogenic volatile organic compound emissions from a lowland tropical wet forest in Costa Rica	Geron C; Guenther A; Greenberg J; Loeschner HW; Clark D; Baker B;	2002	36	23	3793	3802	20	Geosciences	19	Y	20						1	1	6	4	4	4
Journal of Geophysical Research D - Atmospheres	A comparison of particle mass spectrometers during the 1999 Atlanta Supersite Project	Middlebrook AM; Murphy DM; Lee SH; Thomson DS; Prather KA; Wenzel RJ; Liu DY; Phares DJ; Rhoads KP; Wexler AS; Johnston MV; Jimenez JL; Jayne JT; Worsnop DR; Yourshaw I; Seinfeld JH; Flagan RC;	2003	108	D7	8424		20	Geosciences	15	Y	20							3	8	6	3	
Atmospheric Environment	Direct evidence for chlorine-enhanced urban ozone formation in Houston, Texas	Tanaka PL; Riemer DD; Chang S; Yarwood G; Donald-Buller EC; Apel EC; Orlando JJ; Silva PJ; Jimenez JL; Canagaratna MR;	2003	37	9-10	1393	1400	20	Geosciences	15	Y	20						3		6	4	7	
Atmospheric Environment	Ambient aerosol size distribution and number concentrations measured during the Pittsburgh Air Quality Study	Stanier CO; Khlystov AY; Pandis SN;	2004	38	20	3275	3284	20	Geosciences	11	Y	20								5	8	7	
Journal of Geophysical Research D - Atmospheres	Models-3 Community Multiscale Air Quality (CMAQ) Model Aerosol Component 2. Model evaluation	Mebust MR; Eder BK; Binkowski FS; Roselle SJ;	2003	108	D6	4184		19	Geosciences	15	Y	19						2	4	3	6	4	
Journal of Geophysical Research D - Atmospheres	Nitrate and oxidized organic ions in single particle mass spectra during the 1999 Atlanta Supersite Project	Lee SH; Murphy DM; Thomson DS; Middlebrook AM;	2003	108	D7	8417		19	Geosciences	15	Y	19						3	5	8	3		

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Journal of Geophysical Research D - Atmospheres	Intercomparison of near real time monitors of PM2.5 nitrate and sulfate at the U.S. Environmental Protection Agency Atlanta Supersite	Weber R;Orsini D;Duan Y;Baumann K;Kiang CS;Chameides W;Lee YN;Brechtel F;Klotz P;Jongejan P;ten Brink H;Slanina J;Boring CB;Genfa Z;Dasgupta P;Hering S;Stolzenburg M;Dutcher DD;Edgerton E;Hartzell B;Solomon P;Tanner R;	2003	108	D7	8421		19	Geosciences	15	Y	19						3	5	6	5		
Atmospheric Environment	HOx concentrations and OH reactivity observations in New York City during PMTACS-NY 2001	Ren X;Harder H;Martinez M;Leshner RL;Oliger A;Shirley T;Adams J;Simpas JB;Brune WH;	2003	37	26	3627	3637	19	Geosciences	15	Y	19						2	4	6	4	3	
Geophysical Research Letters	A method for on-line measurement of water-soluble organic carbon in ambient aerosol particles: Results from an urban site	Sullivan AP;Weber R;Clements AL;Turner JR;Bae MS;Schauer JJ;	2004	31	13	L13105		19	Geosciences	11	Y	19									3	11	5
Journal of Geophysical Research D - Atmospheres	Aerosol single scattering albedo retrieved from measurements of surface UV irradiance and a radiative transfer model.	Petters JL;Saxena VK;Slusser JR;Wenny BN;Madronich S;	2003	108	D9	4288		18	Geosciences	15	Y	18						2	1	11	2	2	
Atmospheric Environment	Mass balance closure and the Federal Reference Method for PM2.5 in Pittsburgh, Pennsylvania	Rees SL;Robinson AL;Khlystov A;Stanier CO;Pandis SN;	2004	38	20	3305	3318	18	Geosciences	11	Y	18							1	6	7	4	
Atmospheric Environment	Seasonal Variation of the Particle Size Distribution of Polycyclic Aromatic Hydrocarbons and of Major Aerosol Species in Claremont California.	Miguel AH;Eiguren-Fernandez A;Jaques PA;Froines JR;Grant BL;Mayo PR;Sioutas C;	2004	38	20	3241	3251	18	Geosciences	11	Y	18							1	5	9	3	
Journal of Geophysical Research D - Atmospheres	Exchange processes of volatile organic compounds above a tropical rain forest: Implications for modeling tropospheric chemistry above dense vegetation	Karl T;Potosnak M;Guenther A;Clark D;Walker J;Herrick JD;Geron C;	2004	109	D18	D18306		19	Geosciences	11	Y	18									5	8	5
Journal of Geophysical Research D - Atmospheres	Assessment of an ensemble of seven real-time ozone forecasts over eastern North America during the summer of 2004	McKeen S;Wilczak J;Grell G;Djalalova I;Peckham S;Hsie E;Gong W;Bouchet V;Menard S;Moffet R;McHenry J;McQueen J;Tang Y;Carmichael GR;Pagowski M;Chan A;Dye T;Frost G;Lee P;Mathur R;	2005	110		D21307		18	Geosciences	6	Y	18										10	8
Atmospheric Environment	Integrated approaches to modeling the organic and inorganic atmospheric aerosol components	Koo B;Ansari AS;Pandis SN;	2003	37	34	4757	4768	17	Geosciences	15	Y	17							5	5	5	2	
Journal of Geophysical Research D - Atmospheres	Semi-continuous aerosol carbon measurements: Comparison of Atlanta Supersite measurements.	Lim H;Turpin BJ;Edgerton E;Hering SV;Allen G;Maring H;Solomon PA;	2003	108	D7	8419		17	Geosciences	15	Y	17						3	3	3	8		
Atmospheric Environment	Integration of size distributions and size-resolved hygroscopicity measured during the Houston Supersite for compositional categorization of the aerosol	Gasparini R;Li R;Collins DR;	2004	38	20	3285	3303	17	Geosciences	11	Y	17							1	4	11	1	
Atmospheric Environment	Validation of a Semi-Continuous Instrument for Elemental Carbon and Organic Carbon Using a Thermal-Optical Method	Bae MS;Schauer JJ;DeMinter JT;Turner JR;Smith D;Cary RA;	2004	38	18	2885	2893	17	Geosciences	11	Y	17									2	10	5
Atmospheric Environment	A Graphical Diagnostic Method For Assessing the Rotation In Factor Analytical Models Of Atmospheric Pollution	Paatero P;Hopke PK;Begum BA;Biswas SK;	2005	39	1	193	201	17	Geosciences	6	Y	17									6	5	6
Geophysical Research Letters	Secondary Organic Aerosol Formation from Isoprene Photooxidation under high-NOx Conditions	Kroll JH;Ng NL;Murphy SM;Flagan RC;Seinfeld JH;	2005	32		L18808		17	Geosciences	6	Y	17										12	5
Atmospheric Environment	The Research Triangle Park particulate matter panel study: PM mass concentration relationships	Williams R;Suggs J;Rea A;Leovic K;Vette A;Croghan C;Sheldon L;Rodes C;Thornburg J;Ejire A;	2003	37	38	5349	5363	15	Geosciences	15	Y	15							1	3	6	5	
Journal of Geophysical Research D - Atmospheres	Size-Resolved Ultrafine Particle Composition Analysis Part 1: Atlanta	Rhoads KP;Phares DJ;Wexler AS;Johnston MV;	2003	108	D7	8418		15	Geosciences	15	Y	15						2	3	4	5	1	

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Geophysical Research Letters	Nitric acid photolysis on surfaces in low-NOx environments: Significant atmospheric implications	Zhou XL;Gao HL;He Y;Hung G;Bertman SB;Civerolo K;Schwab JJ;	2003	30	23	Art. No. 2217		15	Geosciences	15	Y	15							1	3	8	3		
Atmospheric Environment	Semi-continuous PM2.5 inorganic composition measurements during the Pittsburgh Air Quality Study	Wittig AE;Takahama S;Khlystov AY;Pandis SN;Hering S;Kirby B;Davidson C;	2004	38	20	3201	3213	15	Geosciences	11	Y	15							2	4	7	2		
Atmospheric Environment	Primary and secondary organic aerosols over the United States: estimates on the basis of observed organic carbon (OC) and elemental carbon (EC), and air quality modeled primary OC/EC ratios	Yu SC;Dennis RL;Bhave PV;Eder BK;	2004	38	31	5257	5268	15	Geosciences	11	Y	15									4	6	5	
Atmospheric Environment	Ultrafine nitrate particle events in Baltimore observed by real-time single particle mass spectrometry	Tolocka MP;Lake DA;Johnston MV;Wexler AS;	2004	38	20	3215	3223	15	Geosciences	11	Y	15							2	7	4	2		
Boundary-Layer Meteorology	Simulation of Meteorological Fields Within and Above Urban and Rural Canopies with a Mesoscale Model	Dupont S;Otte TL;Ching JKS;	2004	113	1	111	158	15	Geosciences	11	Y	15									3	9	3	
Journal of Geophysical Research D - Atmospheres	Chamber Studies of Secondary Organic Aerosol Growth by Reactive Uptake of Simple Carbonyl Compounds	Kroll JH;Ng NL;Murphy SM;Varutbangkul V;Flagan RC;Seinfeld JH;	2005	110			D23207	15	Geosciences	6	Y	15										9	6	
Atmospheric Environment	Fully coupled 'online' chemistry within the WRF model	Grell GA;Peckham SE;Schmitz R;McKeen SA;Frost G;Skamarock WC;Eder B;	2005	39	37	6957	6975	15	Geosciences	6	Y	15										10	5	
Journal of Geophysical Research D - Atmospheres	Atmospheric volatile organic compound measurements during the Pittsburgh Air Quality Study: Results, interpretation, and quantification of primary and secondary contributions	Millet DB;Donahue NM;Pandis SN;Polidori A;Stanier CO;Turpin BJ;Goldstein AH;	2005	110			D07S07	15	Geosciences	6	Y	15										1	9	5
Atmospheric Environment	Spatial variation of PM2.5 chemical species and source-apportioned mass concentrations in New York City	Ito K;Xue N;Thurston GD;	2004	38	31	5269	5282	14	Geosciences	11	Y	14										1	8	5
Atmospheric Environment	Ambient ammonia and ammonium aerosol across a region of variable ammonia emission density	Walker JT;Whitall D;Robarge WP;Paerl H;	2004	38	9	1235	1246	14	Geosciences	11	Y	14										5	6	3
Atmospheric Environment	Ambient measurements of metal-containing PM2.5 in an urban environment using laser-induced breakdown spectroscopy	Lithgow GA;Robinson AL;Buckley SG;	2004	38	20	3319	3328	14	Geosciences	11	Y	14										9	5	
Atmospheric Environment	The comparison between thermal-optical transmittance elemental carbon and Aethalometer black carbon measured at the multiple monitoring sites.	Jeong C;Hopke PK;Kim E;Lee D;	2004	38	31	5193	5204	13	Geosciences	11	Y	13										3	6	4
Journal of Atmospheric Chemistry	Determination of Secondary Organic Aerosol Products from the Photooxidation of Toluene and their Implications in Ambient PM<sub>2.5</sub>	Kleindienst TE;Conver TS;McIver CD;Edney EO;	2004	47	1	79	100	13	Geosciences	11	Y	13										6	4	3
Journal of Geophysical Research D - Atmospheres	Aerosol chemical composition in New York state from integrated filter samples: Urban/rural and seasonal contrasts	Schwab JJ;Felton HD;Demerjian KL;	2004	109			D16S05	13	Geosciences	11	Y	13										1	8	4
Atmospheric Environment	Sources of fine particulate sulfate in New York	Dutkiewicz VA;Qureshi S;Khan AR;Ferrara V;Schwab JJ;Demerjian KL;Husain L;	2004	38	20	3179	3189	13	Geosciences	11	Y	13										3	9	1
Weather and Forecasting	Linking the Eta Model with the Community Multiscale Air Quality (CMAQ) Modeling System to Build a National Air Quality Forecasting System	Otte TL;Pouliot G;Pleim JE;Young JO;Schere KL;Wong DC;Lee PCS;Tsidulko M;McQueen JT;Davidson P;Mathur R;Chuang HY;DiMego G;Seaman NL;	2005	20	3	367	384	13	Geosciences	6	Y	13										1	5	7
Journal of Geophysical Research D - Atmospheres	Role of canopy-scale photochemistry in modifying biogenic-atmosphere exchange of reactive terpene species: Results from the CELTIC field study	Stroud C;Makar P;Karl T;Guenther A;Geron C;Turnipseed A;Nemitz E;Baker B;Potosnak M;Fuentes JD;	2005	110			D17303	13	Geosciences	6	Y	13										1	7	5
Atmospheric Environment	Polar organic compounds measured in fine particulate matter during TexAQ5 2000	Yue ZW;Fraser MP;	2004	38	20	3253	3262	12	Geosciences	11	Y	12										1	7	4



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Atmospheric Environment	Number concentrations of fine and ultrafine particles containing metals	Tolocka MP;Lake DA;Johnston MV;Wexler AS;	2004	38	20	3263	3273	12	Geosciences	11	Y	12								1	6	4	1		
Journal of Geophysical Research D - Atmospheres	Estimates of global terrestrial isoprene emissions using MEGAN (Model of Emissions of Gases and Aerosols from Nature).	Guenther A;Karl T;Harley P;Wiedinmyer C;Palmer PI;Geron C;	2006	6		3181	3210	12	Geosciences	3	Y	12										2	10		
Atmospheric Environment	Concentrations and solubility of metals from indoor and personal exposure PM2.5 samples	Graney JR;Landis MS;Norris GA;	2004	38	2	237	247	11	Geosciences	11	Y	11								1	1	7	2		
Atmospheric Environment	Sources of Fine Particle Composition in New York City	Li Z;Hopke PK;Husain L;Qureshi S;Dutkiewicz VA;Schwab JJ;Drewnick F;Demerjian KL;	2004	38	38	6521	6529	11	Geosciences	11	Y	11										6	5		
Atmospheric Environment	Radiocarbon Measurement of the Biogenic Contribution to Summertime PM2.5 Ambient Aerosol in Nashville, TN	Lewis CW;Klouda GA;Ellenson WD;	2004	38	35	6053	6061	11	Geosciences	11	Y	11										2	5	4	
Journal of Geophysical Research D - Atmospheres	Modeling of in situ ultrafine atmospheric particle formation in the eastern United States	Gaydos TM;Stanier CO;Pandis SN;	2005	110		D07S12		11	Geosciences	6	Y	11										1	9	1	
Atmospheric Environment	Mobile platform measurements of ultrafine particles and associated pollutant concentrations on freeways and residential streets in Los Angeles	Westerdahl D;Fruin S;Sax T;Fine PM;Sioutas C;	2005	39	20	3597	3610	10	Geosciences	6	Y	10										2	2	6	
Atmospheric Environment	Open burning of agricultural biomass: Physical and chemical properties of particle-phase emissions	Hays MD;Fine PM;Geron CD;Kleeman MJ;Gullett BK;	2005	39	36	6747	6764	9	Geosciences	6	Y	9											3	6	
Journal of Geophysical Research D - Atmospheres	Seasonal and Spatial Variability of the Size-Resolved Chemical Composition of PM10 in the Los Angeles Basin	Sardar SB;Fine PM;Sioutas C;	2005	110		D07S08		9	Geosciences	6	Y	9											5	4	
Journal of Applied Meteorology	AERMOD: A Dispersion Model for Industrial Source Applications. Part I: General Model Formulation and Boundary Layer Characterization	Cimorelli AJ;Perry SG;Venkatram A;Weil JC;Paine RJ;Wilson RB;Lee RF;Peters WD;Brode RW;	2005	44	5	682	693	8	Geosciences	6	Y	8										1	2	5	
Journal of Geophysical Research D - Atmospheres	Cloud Condensation Nucleus Activation Properties of Biogenic Secondary Organic Aerosol	VanReken TM;Ng NL;Flagan RC;Seinfeld JH;	2005	110	D7	Art. No. D07206		8	Geosciences	6	Y	8										1	7		
Journal of Geophysical Research D - Atmospheres	Air Quality Impacts of the October 2003 Southern California Wildfires	Phuleria HC;Fine PM;Zhu Y;Sioutas C;	2005	110	D7	D07S20		8	Geosciences	6	Y	8											5	3	
Journal of Geophysical Research D - Atmospheres	Development and initial evaluation of a dynamic species-resolved model for gas-phase chemistry and size-resolved gas/particle partitioning associated with secondary organic aerosol formation	Griffin RJ;Dabdub D;Seinfeld JH;	2005	110		D05304		8	Geosciences	6	Y	8											6	2	
Geophysical Research Letters	Carbon monoxide in the U. S. Mid-Atlantic troposphere: Evidence for a decreasing trend.	Hallock-Waters KA;Doddridge BG;Dickerson RR;Spitzer S;Ray JD;	2006	26	18	2861	2864	8	Geosciences	3	Y	8			1	2	2	2	1						
Geophysical Research Letters	Thermal properties of secondary organic aerosols.	Offenberg JH;Kleindienst TE;Jaoui M;Lewandowski M;Edney EO;	2006	33	3	Art. No. L03816		8	Geosciences	3	Y	8											2	6	
Journal of Geophysical Research D - Atmospheres	Seasonal and diurnal variations of submicron organic aerosol in Tokyo observed using the Aerodyne aerosol mass spectrometer.	Takegawa N;Miyakawa T;Kondo Y;Jimenez JL;Zhang Q;Worsnop DR;Fukuda M;	2006	111		D11206		8	Geosciences	3	Y	8											4	4	
Atmospheric Environment	Evolution of particle number distribution near roadways. Part III: Traffic analysis and on-road size resolved particulate emission factors	Zhang KM;Wexler AS;Niemeier DA;Zhu YF;Hinds WC;Sioutas C;	2005	39	22	4155	4166	7	Geosciences	6	Y	7											3	4	
Journal of Geophysical Research D - Atmospheres	Size-Resolved Fine and Ultrafine Particle Composition in Baltimore, Maryland	Tolocka MP;Lake DA;Johnston MV;Wexler AS;	2005	110	D7	Art. No. D07S04		7	Geosciences	6	Y	7										1	6		
Atmospheric Environment	Development of an individual exposure model for application to the Southern California children's health study	Wu J;Lurmann F;Winer A;Lu R;Turco R;Funk T;	2005	39	2	259	273	6	Geosciences	6	Y	6										1	3	2	
Atmospheric Environment	Relating plume spread to meteorology in urban areas	Venkatram A;Isakov V;Pankratz D;Yuan J;	2005	39	2	371	380	6	Geosciences	6	Y	6										4	2		
Journal of Geophysical Research D - Atmospheres	Highly Time-Resolved Organic and Elemental Carbon Measurements at the Baltimore Supersite in 2002	Park SS;Harrison D;Pancras JP;Ondov JM;	2005	110		Spec Supersites Iss D07S06	Art. No. D07S06	6	Geosciences	6	Y	6											2	3	1



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Journal of Immunology	Induction of Heme Oxygenase-1 Expression in Macrophages by Diesel Exhaust Particle Chemicals and Quinones via the Antioxidant-Responsive Element	Li N;Venkatesan M;Miguel AH;Kaplan R;Gujuluva C;Alam J;Nel AE;	2000	165	6	3393	3401	97	Immunology	60	Y	97				6	10	17	15	25	19	5	
Journal of Immunology	The Role of a Mitochondrial Pathway in the Induction of Apoptosis by Chemicals Extracted from Diesel Exhaust Particles	Hiura TS;Li N;Kaplan R;Horwitz M;Seagrave JC;Nel AE;	2000	165	5	2703	2711	63	Immunology	60	Y	63			5	12	14	10	8	10		4	
Journal of Immunology	Thiol Antioxidants Inhibit the Adjuvant Effects of Aerosolized Diesel Exhaust Particles in a Murine Model for Ovalbumin Sensitization	Whitekus MJ;Li N;Zhang M;Wang M;Horwitz M;Nelson SK;Brechun N;Diaz-Sanchez D;Nel AE;	2002	168	5	2560	2567	60	Immunology	44	Y	60					2	13	13	12	17	3	
Clinical Immunology	Particulate Air Pollutants and Asthma: A Paradigm for the Role of Oxidative Stress in PM-Induced Adverse Health Effects	Li N;Hao M;Phalen R;Hinds W;Nel A;	2003	109	3	250	265	46	Immunology	34	Y	46							1	13	23	9	
Journal of Immunology	Nrf2 is a Key Transcription Factor that Regulates Antioxidant Defense in Macrophages and Epithelial Cells: Protecting Against the Proinflammatory and Oxidizing Effects of Diesel Exhaust Chemicals.	Li N;Alam J;Venkatesan M;Eiguren-Fernandez A;Schmitz D;Di Stefano E;Slaughter N;Killeen E;Wang X;Huang A;Wang M;Miguel AH;Cho A;Sioutas C;Nel AE;	2004	173		3467	3481	37	Immunology	26	Y	37									17	16	4
								303.00		5	5	303.00											
Biostatistics	Insights on bias and information in group-level studies	Sheppard L;	2003	4	2	265	278	10	Mathematics	6	Y	10							4	2	3	1	
International Statistical Review	Health Effects of Air Pollution: A Statistical Review	Dominici F;Sheppard L;Clyde M;	2003	71	2	243	276	15	Mathematics	6	Y	15						1	1	4	7	2	
								25.00		2	2	25.00											
Science	Heterogeneous Atmospheric Aerosol Production by Acid-Catalyzed Particle-Phase Reactions	Jang M;Czoschke NM;Lee S;Kamens RM;	2002	298	5594	814	817	155	Multidisciplinary	18	Y	155						11	33	49	44	18	
Science	Direct Observation of Heterogeneous Chemistry in the Atmosphere	Gard EE;Kleeman MJ;Gross DS;Hughes LS;Allen JO;Morrill BD;Ferguson DP;Dienes T;Galli ME;Johnson RJ;Cass GR;Prather KA;	1998	279	5354	1184	1187	117	Multidisciplinary	5	Y	117	2	9	19	18	11	15	14	9	15	5	
Science	Climate change. Hidden health benefits of greenhouse gas mitigation.	Cifuentes L;Borja-Aburto VH;Gouveia N;Thurston G;Davis DL;	2001	293	5533	1257	1259	36	Multidisciplinary	14	Y	36			1	8	3	7	7	6	4		
Science	Air Pollution-Related Illness: Effects of Particles	Nel A;	2005	308	5723	804	806	33	Multidisciplinary	11	Y	33								5	15	13	
Science	Protection from experimental asthma by an endogenous bronchodilator	Que LG;Liu L;Yan Y;Whitehead GS;Gavett SH;Schwartz DA;Stamler JS;	2005	308	5728	1618	1621	32	Multidisciplinary	11	Y	32									2	26	4
Science	Residential Biofuels in South Asia: Carbonaceous Aerosol Emissions and Climate Impacts	Venkataraman C;Habib G;Eiguren-Fernandez A;Miguel AH;Friedlander SK;	2005	307	5714	1454	1456	25	Multidisciplinary	11	Y	25									6	11	8
								398.00		6	6	398.00											
International Archives of Occupational and Environmental Health	Pulmonary effects of inhaled ultrafine particles	Oberdorster G;	2001	74	1	1	8	157	Pharmacology & Toxicology	29	Y	157			4	22	16	29	27	37	22		
Toxicology and Applied Pharmacology	Cytotoxicity and induction of proinflammatory cytokines from human monocytes exposed to fine (PM2.5) and coarse particles (PM10-2.5) in outdoor and indoor air	Monn C;Becker S;	1999	155	3	245	252	110	Pharmacology & Toxicology	35	Y	110		3	12	6	20	17	16	17	14	5	
Inhalation Toxicology	Translocation of inhaled ultrafine particles to the brain	Oberdorster G;Sharp Z;Atudorei V;Elder ACP;Gelein R;Lunts A;Kreyling W;Cox C;	2004	16	6-7	437	445	102	Pharmacology & Toxicology	15	Y	102							3	26	47	26	
Toxicological Sciences	Cardiac arrhythmia induction after exposure to residual oil fly ash particles in the pulmonary hypertensive rat.	Watkinson WP;Campen MJ;Costa DL;	1998	41		209	216	98	Pharmacology & Toxicology	36	Y	98	10	25	11	13	10	10	11	5	3		
Toxicological Sciences	Pulmonary responses to oil fly ash particles in the rat differ by virtue of their specific soluble metals.	Kodavanti UP;Hauser R;Christiani DC;Meng ZH;McGee J;Ledbetter A;Richards J;Costa DL;	1998	43		204	212	96	Pharmacology & Toxicology	36	Y	96	6	13	9	16	15	16	9	8	4		

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Toxicological Sciences	Intratracheal instillation as an exposure technique for the evaluation of respiratory tract toxicity: uses and limitations.	Driscoll KE;Costa DL;Hatch GE;Henderson RF;Oberdorster G;Salem H;Schlesinger RB;	2000	55		24	25	61	Pharmacology & Toxicology	33	Y	61			1	6	10	9	10	8	10	7
Toxicology and Applied Pharmacology	Human alveolar macrophage responses to air pollution particulates are associated with insoluble components of coarse material, including particulate endotoxin	Soukup JM;Becker S;	2001	171	1	20	26	59	Pharmacology & Toxicology	29	Y	59			1	4	12	15	14	10		3
Inhalation Toxicology	Metals associated with both the water-soluble and insoluble fractions of an ambient air pollution particle catalyze an oxidative stress	Ghio AJ;Stonehuermer J;Dailey LA;Carter JD;	1999	11	1	37	49	58	Pharmacology & Toxicology	35	Y	58			4	5	7	7	9	14	8	4
Toxicology and Applied Pharmacology	Particulate matter initiates inflammatory cytokine release by activation of capsaicin and acid receptors in a human bronchial epithelial cell line	Veronesi B;Oortgiesen M;Carter JD;Devlin RB;	1999	154	1	106	115	54	Pharmacology & Toxicology	35	Y	54	1	1	4	11	10	8	6	9	4	
Toxicology and Applied Pharmacology	The spontaneously hypertensive rat as a model of human cardiovascular disease: Evidence of exacerbated cardiopulmonary injury and oxidative stress from inhaled emission particulate matter.	Kodavanti UP;Schladweiler MCJ;Ledbetter A;Watkinson WP;Campen MJ;Winsett DW;Richards JR;Crissman K;Hatch GE;Costa DL;	2000	164	3	250	263	52	Pharmacology & Toxicology	33	Y	52			9	8	7	9	13	5		1
Toxicology and Applied Pharmacology	Ambient air particles: effects on cellular oxidant radical generation in relation to particulate elemental chemistry	Prahalad AK;Soukup JM;Inmon J;Willis R;Ghio AJ;Becker S;Gallagher JE;	1999	158	2	81	91	51	Pharmacology & Toxicology	35	Y	51			3	8	8	8	6	8	7	3
Toxicology	Carbon monoxide poisoning--a public health perspective	Raub JA;Mathieu-Nolf M;Hampson NB;Thom SR;	2000	145	1	1	14	50	Pharmacology & Toxicology	33	Y	50			1	5	5	9	8	6	10	6
Inhalation Toxicology	Use of a stratified oxidative stress model to study the biological effects of ambient concentrated and diesel exhaust particulate matter	Li N;Kim S;Wang M;Froines J;Sioutas C;Nel AE;	2002	14	5	459	486	49	Pharmacology & Toxicology	26	Y	49				1	6	10	13	14		5
Toxicology and Applied Pharmacology	Enhanced allergic sensitization by residual oil fly ash particles is mediated by soluble metal constituents.	Lambert AL;Dong W;Selgrade MJ;Gilmour MI;	2000	165	1	84	93	48	Pharmacology & Toxicology	33	Y	48			1	4	6	8	8	9	8	4
Inhalation Toxicology	Ultrafine particle deposition in humans during rest and exercise	Daigle CC;Chalupa DC;Gibb FR;Morrow PE;Oberdorster G;Utell MJ;Frampton MW;	2003	15	6	539	552	47	Pharmacology & Toxicology	20	Y	47					1	12	15	12		7
Inhalation Toxicology	Urban air particulate inhalation alters pulmonary function and induces pulmonary inflammation in a rodent model of chronic bronchitis	Clarke RW;Catalano PJ;Koutrakis P;Krishna Murthy GG;Sioutas C;Paulauskis J;Coull B;Ferguson S;Godleski JJ;	1999	11	8	637	656	45	Pharmacology & Toxicology	35	Y	45			5	3	7	8	9	8	4	1
Inhalation Toxicology	The relevance of the rat lung response to particle overload for human risk assessment: A workshop consensus report.	Borm PYA;Costa D;Castranova V, et al.	2000	12	1-2	1	17	45	Pharmacology & Toxicology	33	Y	45			1	6	12	4	5	7	7	3
Chemical Research in Toxicology	Air pollution particles mediated oxidative DNA base damage in a cell free system and in human airway epithelial cells in relation to particulate metal content and bioreactivity	Prahalad AK;Inmon J;Dailey LA;Madden MC;Ghio AJ;Gallagher JE;	2001	14	7	879	887	44	Pharmacology & Toxicology	29	Y	44					3	13	5	10	7	6
Toxicology and Applied Pharmacology	Residual oil fly ash exposure enhances allergic sensitization to house dust mite.	Lambert AL;Dong W;Winsett DW;Selgrade MK;Gilmour MI;	1999	158	3	269	277	40	Pharmacology & Toxicology	35	Y	40			7	6	9	7		4	6	1
Toxicology and Applied Pharmacology	Lipopolysaccharide priming amplifies lung macrophage tumor necrosis factor production in response to air particles	Imrich A;Ning YY;Koziel H;Coull B;Kobzik L;	1999	159	2	117	124	38	Pharmacology & Toxicology	35	Y	38			5	7	7	6	7	2	1	3
Inhalation Toxicology	Measurement of total lung deposition of inhaled ultrafine particles in healthy men and women	Jaques PA;Kim CS;	2000	12	8	715	731	38	Pharmacology & Toxicology	33	Y	38			1	1	4	4	9	8	6	5
Toxicological Sciences	Variable pulmonary responses from exposure to concentrated ambient air particles in a rat model of bronchitis.	Kodavanti UP;Mebane R;Ledbetter A;Krantz T;McGee J;Jackson MC;Walsh L;Hilliard H;Chen B;Richards J;Costa DL;	2000	54		441	451	36	Pharmacology & Toxicology	33	Y	36			1	1	7	8	7	5	5	2
Toxicological Sciences	A biologically based risk assessment for vinyl acetate-induced cancer and noncancer inhalation toxicity	Bogdanffy MS;Sarangapani R;Plowchalk DR;Jarabek A;Andersen ME;	1999	51	1	19	35	35	Pharmacology & Toxicology	35	Y	35			1	9	10	8	2	3	1	1

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Toxicological Sciences	Electrocardiographic Changes During Exposure to Residual Oil Fly Ash (ROFA) Particles in a Rat Model of Myocardial Infarction	Wellenius GA;Saldiva PHN;Batalha JRF;Krishna Murthy GG;Coull BA;Verrier RL;Godleski JJ;	2002	66	2	327	335	33	Pharmacology & Toxicology	26	Y	33					1	5	8	9	5	5	
Inhalation Toxicology	The role of soluble components in ambient fine particles-induced changes in human lungs and blood	Huang YC;Ghio AJ;Stonehuerner J;McGee J;Carter JD;Grambow SC;Devlin RB;	2003	15	4	327	342	29	Pharmacology & Toxicology	20	Y	29							7	10	9	3	
Toxicological Sciences	Health and environmental impact of nanotechnology: toxicological assessment of manufactured nanoparticles	Dreher KL;	2004	77		3	5	27	Pharmacology & Toxicology	15	Y	27									5	16	6
Inhalation Toxicology	Controlled exposures of healthy and asthmatic volunteers to concentrated ambient fine particles in Los Angeles	Gong H;Linn WS;Sioutas C;Terrell SL;Clark KW;Anderson KR;Terrell LL;	2003	15	4	305	325	25	Pharmacology & Toxicology	20	Y	25							7	10	5	3	
Chemical Research in Toxicology	Identification and characterization of novel stable deoxyguanosine and deoxyadenosine adducts of benzo[a]pyrene-7,8-quinone from reactions at physiological pH	Balu N;Padgett WT;Lambert GR;Swank AE;Richard AM;Nesnow S;	2004	17	6	827	838	19	Pharmacology & Toxicology	15	Y	19									8	6	5
Inhalation Toxicology	Exposure to concentrated ambient particles (CAPs): a review	Ghio AJ;Huang YC;	2004	16	1	53	59	16	Pharmacology & Toxicology	15	Y	16									5	10	1
Toxicology	An Examination of Quinone Toxicity using the Yeast <i>Saccharomyces cerevisiae</i> Model System	Rodriguez CE;Shinyashiki M;Froines J;Yu RC;Fukuto JM;Cho A;	2004	201	1-3	185	196	15	Pharmacology & Toxicology	15	Y	15									4	5	6
Inhalation Toxicology	Effects of subchronic exposures to concentrated ambient particles (CAPs) in mice: V. CAPs exacerbate aortic plaque development in hyperlipidemic mice.	Chen LC;Nadziejko C;	2005	17	4-5	217	224	13	Pharmacology & Toxicology	8	Y	13									5	3	5
Inhalation Toxicology	Effects of subchronic exposures to concentrated ambient particles (CAPs) in mice: VIII. Source-related daily variations in in vitro responses to CAPs	Maciejczyk PB;Chen LC;	2005	17	4-5	243	253	11	Pharmacology & Toxicology	8	Y	11									5	4	2
Toxicology and Applied Pharmacology	Regulation of cytokine production in human alveolar macrophages and airway epithelial cells in response to ambient air pollution particles: Further mechanistic studies	Becker S;Mundandhara S;Devlin RB;Madden M;	2005	207	2 Suppl	269	275	10	Pharmacology & Toxicology	8	Y	10										8	2
Toxicology and Applied Pharmacology	TLR-2 is involved in airway epithelial cell response to air pollution particles	Becker S;Dailey L;Soukup JM;Silbajoris R;Devlin RB;	2005	203	1	45	52	9	Pharmacology & Toxicology	8	Y	9									2	5	2
Toxicology and Applied Pharmacology	Particulate matter and heart disease: Evidence from epidemiological studies	Peters A;	2005	207	2 Suppl 1	477	482	9	Pharmacology & Toxicology	8	Y	9									1	4	4
Inhalation Toxicology	Effects of Subchronic Exposures to Concentrated Ambient Particles (CAPs) in Mice: II. The Design of a CAPs Exposure System for Biometric Telemetry Monitoring	Maciejczyk P;Zhong M;Li Q;Xiong J;Nadziejko C;Chen LC;	2005	17	4-5	189	197	9	Pharmacology & Toxicology	8	Y	9										8	1
Inhalation Toxicology	Effects of Subchronic Exposures to Concentrated Ambient Particles (CAPs) in Mice. I. Introduction, Objectives and Experimental Plan	Lippmann M;Gordon T;Chen LC;	2005	17	4-5	177	187	9	Pharmacology & Toxicology	8	Y	9									7	2	
Inhalation Toxicology	Dosimetric Comparisons of Particle Deposition and Retention in Rats and Humans	Brown JS;Wilson WE;Grant LD;	2005	17	7-8	355	385	8	Pharmacology & Toxicology	8	Y	8										5	3
Inhalation Toxicology	Effects of Subchronic Exposures to Concentrated Ambient Particles (CAPs) in Mice: III. Acute and Chronic Effects of CAPs on Heart-Rate, Heart-Rate Fluctuation, and Body Temperature	Hwang J;Nadziejko C;Chen LC;	2005	17	4-5	199	207	8	Pharmacology & Toxicology	8	Y	8									4	2	2
Inhalation Toxicology	Effects of subchronic exposures to concentrated ambient particles (CAPs) in mice: IV. Characterization of acute and chronic effects of ambient air fine particulate matter exposures on heart-rate variability	Chen LC;Hwang J;	2005	17	4-5	209	216	8	Pharmacology & Toxicology	8	Y	8									3	4	1

Journal Name	Publication Title	Authors	Year	Vol	Issue	From Page	To Page	Times Cited	ESI Field	ESI 10% Threshold	Top 10%	Total citations by Field for Top 10%	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007				
Particle and Fibre Toxicology	Translocation and potential neurological effects of fine and ultrafine particles a critical update	Peters A;Veronesi B;Calderon-Garciduenas L;Gehr P;Chen L;Geiser M;Reed W;Rothen-Rutishauser B;Schurch S;Schulz H;	2006	3	Art 13				6 Pharmacology & Toxicology	3	Y	6										1	5			
Toxicological Sciences	Tracheobronchial particle dose considerations for in vitro toxicology studies	Phalen RF;Oldham MJ;Nel AE;	2006	92	1	126	132	4	Pharmacology & Toxicology	3	Y	4										3	1			
Clinical and Experimental Pharmacology and Physiology	Influence of air pollution on respiratory health during perinatal development	Pinkerton KE;Joad JP;	2006	33	3	269	272	3	Pharmacology & Toxicology	3	Y	3										1	2			
Toxicological Sciences	Comparative Pulmonary Toxicological Assessment of Oil Combustion Particles Following Inhalation or Instillation Exposure	Costa DL;Lehmann JR;Winsett D;Richards J;Ledbetter AD;Dreher KL;	2006	91	1	237	246	3	Pharmacology & Toxicology	3	Y	3										2	1			
Toxicology and Applied Pharmacology	Inhibition of protein tyrosine phosphatase activity mediates epidermal growth factor receptor signaling in human airway epithelial cells exposed to Zn2+	Tal TL;Graves LM;Silbajoris R;Bromberg PA;Wu W;Samet JM;	2006	214	1	16	23	3	Pharmacology & Toxicology	3	Y	3											3			
Inhalation Toxicology	Development and Evaluation of a Photochemical Chamber to Examine the Toxicity of Coal-Fired Power Plant Emissions	Ruiz PA;Lawrence JE;Wolfson JM;Ferguson ST;Gupta T;Kang CM;Koutrakis P;	2007	19	8	597	606	1	Pharmacology & Toxicology	1	Y	1											1			
Inhalation Toxicology	Development of an Exposure System for the Toxicological Evaluation of Particles Derived from Coal-Fired Power Plants	Ruiz PA;Gupta T;Kang CM;Lawrence JE;Ferguson ST;Wolfson JM;Rohr AC;Koutrakis P;	2007	19	8	607	619	1	Pharmacology & Toxicology	1	Y	1											1			
													1692.00											47	47	1692.00
Philosophical Transactions of the Royal Society of London Series A: Mathematical and Physical Sciences	Toxicology of ultrafine particles: in vivo studies	Oberdorster G;	2000	358		2719	2740	61	Physics	25	Y	61				1	3	6	7	14	17	13				
Philosophical Transactions of the Royal Society of London Series A: Mathematical and Physical Sciences	The Chemical Composition of Atmospheric Ultrafine Particles.	Cass GR;Hughes LS;Bhave P;Kleeman MJ;Allen JO;Salmon LG;	2000	358	1775	2581	2592	30	Physics	25	Y	30				1	5	3	9	6	4	2				
Philosophical Transactions of the Royal Society of London Series A: Mathematical and Physical Sciences	Respiratory dose of inhaled ultrafine particles in healthy adults	Kim CS;Jaques PA;	2000	358		2693	2705	26	Physics	25	Y	26					5	4	7	6	2	2				
													117.00											3	3	117.00
Tree Physiology	Temporal variability in the basal isoprene emission factor	Geron C;Guenther A;Sharkey T;Arnts RR;	2000	20	12	799	805	33	Plant & Animal Science	22	Y	33				5	4	8	3	6	5	2				
Plant Physiology	Biochemical characterization of stromal and thylakoid-bound isoforms of isoprene synthase in willow leaves	Wildermuth MC;Fall R;	1998	116	3	1111	1123	31	Plant & Animal Science	25	Y	31	2	8	4	6	6			2	3					
													64.00											2	2	64.00
Journal of Urban Affairs	Structural Disparities of Urban Traffic in Southern California: Implications for Vehicle-related Air Pollution Exposure in Minority and High-poverty Neighborhoods	Houston D;Wu J;Ong P;Winer A;	2004	26	5	565	592	6	Social Sciences	6	Y	6										3	3			
Risk Analysis	Quantification of variability and uncertainty for censored data sets and application to air toxic emission factors	Zhao YC;Frey HC;	2004	24	4	1019	1034	6	Social Sciences	6	Y	6								2	1	3				
Risk Analysis	Toward cost-benefit analysis of acute behavioral effects of toluene in humans	Benignus VA;Bushnell PJ;Boyes WK;	2005	25	2	447	456	4	Social Sciences	4	Y	4									1	2	1			
Risk Analysis	Duration adjustment of acute exposure guideline level values for trichloroethylene using a physiologically-based pharmacokinetic model	Boyes WK;Evans MV;Eklund C;Janssen P;Simmons JE;	2005	25	3	677	686	4	Social Sciences	4	Y	4										1	3			
													20.00											4	4	20.00
													23936.00											679.00	679.00	23885.00