



# NIOSH Bibliography of Communication and Research Products 2007

Journal Articles

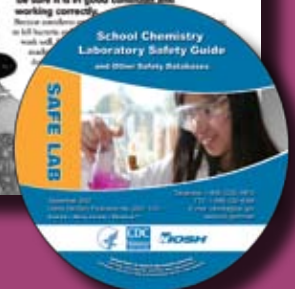
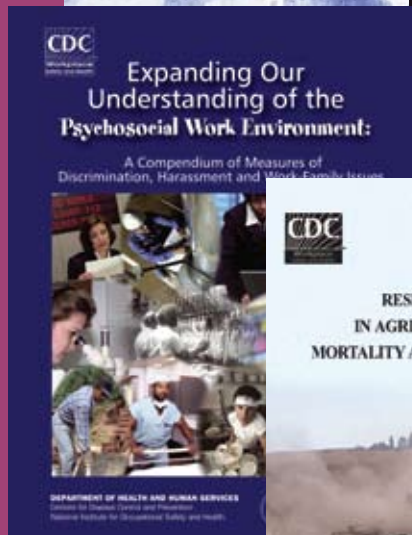
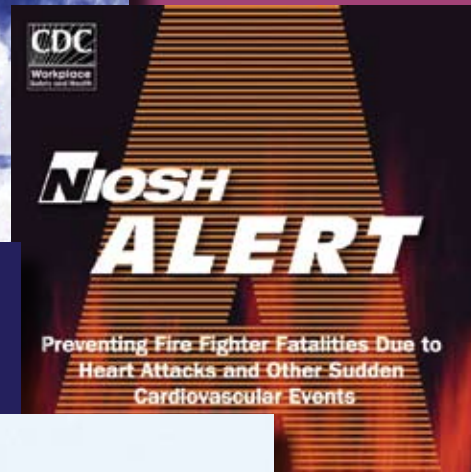
ALERTS

PROCEEDINGS

ABSTRACTS

CONTROL TECHNOLOGY REPORTS

Fatality Assessment and Control Evaluation Reports



**NIOSH BIBLIOGRAPHY OF COMMUNICATION  
AND RESEARCH PRODUCTS**

**2007**

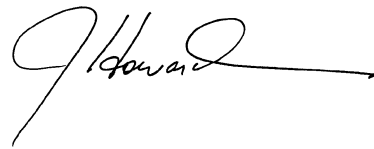
A Listing of NIOSH Publications for Calendar Year 2007

Department of Health and Human Services  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health  
Washington, DC

May 2008

## FOREWORD

Publication of this bibliography both reflects and reinforces the NIOSH values of relevance, quality, and impact as we strive to produce the best scientific information possible to maintain and improve safety and health at work. The information contained here demonstrates the consistent commitment of NIOSH and our partners to all workers as they face challenges to be safe and healthy while contributing to our nation's productivity. Please explore these products further and distribute them freely in workplaces and to our colleagues in the occupational health and safety community.

A handwritten signature in black ink, appearing to read "J. Howard", with a long horizontal flourish extending to the right.

John Howard, M.D.  
Director, National Institute for Occupational  
Safety and Health

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## I. JOURNAL ARTICLES

- 0001.** Achutan C [2007]. Occupational noise levels during emergency relief operations in the aftermath of Hurricane Katrina. *J Occup Environ Hyg* 4(4):D33–D35.
- 0002.** Achutan C, Tubbs R [2007]. A task-based assessment of noise levels at a swine confinement. *J Agromed* 12(2):55–65.
- 0003.** Akpınar-Elci M, Yucesoy B, Elci OC, Weissman DN [2007]. Noninvasive assessment of cytokines in occupational respiratory diseases. *Recent Patents Inflamm Allergy Drug Discov* 1(2):100–107.
- 0004.** Albers JT, Hudock SD [2007]. Biomechanical assessment of three rebar tying techniques. *Int J Occup Saf Ergon* 13(3):279–289.
- 0005.** Anderson JL, Spitz HB, Yiin JH [2007]. Characterization of internal exposure to enriched uranium at a former gaseous diffusion plant. *Health Phys* 93(6):636–644.
- 0006.** Anderson JL, Spitz HB, Yiin JH [2007]. Estimating active bone marrow dose from occupational exposure to uranium at a former gaseous diffusion plant. *Health Phys* 93(2):113–119.
- 0007.** Anderson SE, Meade BJ, Butterworth LF, Munson AE [2007]. The humoral immune response of mice exposed to manual metal arc stainless steel-welding fumes. *J Immunotoxicol* 4(1):15–23.
- 0008.** Anderson SE, Wells JR, Fedorowicz A, Butterworth LF, Meade BJ, Munson AE [2007]. Evaluation of the contact and respiratory sensitization potential of volatile organic compounds generated by simulated indoor air chemistry. *Toxicol Sci* 97(2):355–363.
- 0009.** Andrew ME, Li S, Fekedulegn D, Dorn J, Joseph PN, Violanti J, Burchfiel CM [2007]. Estimation of the maximum flow-mediated brachial artery response using local regression methods. *Physiol Meas* 28(10):1213–1224.
- 0010.** Antão VCS, Piacitelli CA, Miller WE, Pinheiro GA, Kreiss K [2007]. Rayon flock: a new cause of respiratory morbidity in a card processing plant. *Am J Ind Med* 50(4):274–284.
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- 0012.** Antonini JM, Roberts JR [2007]. Chromium in stainless steel welding fume suppresses lung defense responses against bacterial infection in rats. *J Immunotoxicol* 4(2):117–127.

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- 0013.** Antonini JM, Stone S, Roberts JR, Chen B, Schwegler-Berry D, Afshari AA, Frazer DG [2007]. Effect of short-term stainless steel welding fume inhalation exposure on lung inflammation, injury, and defense responses in rats. *Toxicol Appl Pharmacol* 223(3):234–245.
- 0014.** Ashley K, Agrawal A, Cronin J, Tonazzi J, McCleskey TM, Burrell AK, Ehler DS [2007]. Ultra-trace determination of beryllium in occupational hygiene samples by ammonium bifluoride extraction and fluorescence detection using hydroxybenzoquinoline sulfonate. *Anal Chim Acta* 584(2):281–286.
- 0015.** Ashley K, Applegate GT, Wise TJ, Fernback JE, Goldcamp MJ [2007]. Evaluation of a standardized micro-vacuum sampling method for collection of surface dust. *J Occup Environ Hyg* 4(3):215–223.
- 0016.** Ashley K, Harper M, Demange M [2007]. Concerning sampler wall deposits in the chemical analysis of airborne metals. *J Occup Environ Hyg* 4(9):D81–D86.
- 0017.** Attfield MD, Petsonk EL [2007]. Advanced pneumoconiosis among working underground coal miners—Eastern Kentucky and Southwestern Virginia, 2006. *JAMA* 298(7):734–736.
- 0018.** Attfield MD, Petsonk EL [2007]. Advanced pneumoconiosis among working underground coal miners—Eastern Kentucky and Southwestern Virginia, 2006. *MMWR* 56(26):652–655.
- 0019.** B'Hymer C [2007]. Development of a gas chromatographic test for the quantitation of the biomarker 2-butoxyacetic acid in urine samples. *J Chromatogr Sci* 45(7):422–427.
- 0020.** B'Hymer C, Cheever KL [2007]. Evaluation of extraction conditions and use of HPLC-MS for the simultaneous determination of acrylamide and its primary metabolite, n-acetyl-S-(2-carbamoyl-ethyl)cysteine, in human urine. *J Liq Chromatogr Relat Technol* 30(9):1303–1316.
- 0021.** Baker BA, Mercer RR, Geronilla KB, Kashon ML, Miller GR, Cutlip RG [2007]. Impact of repetition number on muscle performance and histological response. *Med Sci Sports Exerc* 39(8):1275–1281.
- 0022.** Bakke B, Stewart PA, Waters MA [2007]. Uses of and exposure to trichloroethylene in U.S. industry: a systematic literature review. *J Occup Environ Hyg* 4(5):375–390.
- 0023.** Balbus JM, Maynard AD, Colvin VL, Castranova V, Daston GP, Denison RA, Dreher KL, Goering PL, Goldberg AM, Kulinowski KM, Monteiro-Riviere NA, Oberdörster G, Omenn GS, Pinkerton KE, Ramos KS, Rest KM, Sass JB, Silbergeld EK, Wong BA [2007]. Meeting report: hazard assessment for nanoparticles—report from an interdisciplinary workshop. *Environ Health Perspect* 115(11):1654–1659.

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- 0024.** Baron PA, Estill CF, Beard JK, Hein MJ, Larsen L [2007]. Bacterial endospore inactivation caused by outgassing of vaporous hydrogen peroxide from polymethyl methacrylate (Plexiglas®). *Lett Appl Microbiol* 45(5):485–490.

**0025.** Barr DB, Hines CJ, Olsson AO, Deddens JA, Bravo R, Striley CAF, Norrgran J, Needham LL [2007]. Identification of human urinary metabolites of acetochlor in exposed herbicide applicators by high-performance liquid chromatography-tandem mass spectrometry. *J Expo Sci Environ Epidemiol* 17(6):559–566.

*NORA: Agriculture, Forestry and Fishing*

**0026.** Barrett EA, Calhoun RA [2007]. Noise and hearing protection: development of two training exercises for drillers. *Prof Saf* 52(11):36–41.

**0027.** Bartley DL, Slaven JE, Rose MC, Andrew ME, Harper M [2007]. Uncertainty determination for nondestructive chemical analytical methods using field data and application to XRF analysis for lead. *J Occup Environ Hyg* 4(12):931–942.

**0028.** Basner M, Fomberstein KM, Razavi FM, Banks S, William JH, Rosa RR, Dinges DF [2007]. American time use survey: sleep time and its relationship to waking activities. *Sleep* 30(9):1085–1095.

**0029.** Bauer ER, Babich DR [2007]. Noise assessment of stone/aggregate mines: six case studies. *Min Eng* 59(8):55–63.

**0030.** Bello D, Herrick CA, Smith TJ, Woskie SR, Streicher RP, Cullen MR, Liu Y, Redlich CA [2007]. Skin exposure to isocyanates: reasons for concern. *Environ Health Perspect* 115(3):328–335.

*NORA: Manufacturing: Services: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease*

**0031.** Bhatti PB, Preston DL, Doody MM, Hauptmann M, Kampa D, Alexander BH, Petibone D, Simon SL, Weinstock RM, Bouville A, Yong LC, Freedman DM, Mabuchi K, Linet MS, Edwards AA, Tucker JD, Sigurdson AJ [2007]. Retrospective biodosimetry among United States radiologic technologists. *Radiat Res* 167(6):727–734.

**0032.** Biagini RE, Parks CG, Smith JP, Sammons DL, Robertson SA [2007]. Analytical performance of the AtheNA MultiLyte® ANA II assay in sera from lupus patients with multiple positive ANAs. *Anal Bioanal Chem* 388(3):613–618.

**0033.** Birdsey J, Alterman T, Petersen MR [2007]. Race, occupation, and lung cancer: detecting disparities with death certificate data. *J Occup Environ Med* 49(11):1257–1263.

**0034.** Blachere FM, Lindsley WG, Slaven JE, Green BJ, Anderson SE, Chen BT, Beezhold DH [2007]. Bioaerosol sampling for the detection of aerosolized influenza virus. *Influenza Other Respir Viruses* 1(3):113–120.

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- 0038.** Booth-Butterfield S, Welbourne J, Williams C, Lewis V [2007]. Formative field experiments of a NIOSH Alert to reduce the risks to firefighters from structural collapse: applying the cascade framework. *Health Comm* 22(1):79–88.
- 0039.** Bowler RM, Nakagawa S, Drezgic M, Roels HA, Park RM, Diamond E, Mergler D, Bouchard M, Bowler RP, Kollerg W [2007]. Sequelae of fume exposure in confined space welding: a neurological and neuropsychological case series. *Neurotoxicology* 28(2):298–311.
- 0040.** Bowler RM, Roels HA, Nakagawa S, Drezgic M, Diamond E, Park R, Koller W, Bowler RP, Mergler D, Bouchard M, Smith D, Gwiazda R, Doty RL [2007]. Dose-effect relationships between manganese exposure and neurological, neuropsychological and pulmonary function in confined space bridge welders. *Occup Environ Med* 64(3):167–177.

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- 0041.** Bowman JD, Touchstone JA, Yost MG [2007]. A population-based job exposure matrix for power-frequency magnetic fields. *J Occup Environ Hyg* 4(9):715–728.
- 0042.** Bowyer JF, Pogge AR, Delongchamp RR, O'Callaghan JP, Patel KM, Vrana KE, Freeman WM [2007]. A threshold neurotoxic amphetamine exposure inhibits parietal cortex expression of synaptic plasticity-related genes. *Neuroscience* 144(1):66–76.
- 0043.** Brenner AV, Butler MA, Wang SS, Ruder AM, Rothman N, Schulte PA, Chanock SJ, Fine HA, Linet MS, Inskip PD [2007]. Single-nucleotide polymorphisms in selected cytokine genes and risk of adult glioma. *Carcinogenesis* 28(10):2543–2547.

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- 0044.** Brophy JT, Keith MM, Gorey KM, Laukkanen E, Luginaah I, Abu-Zahra H, Watterson AE, Hellyer DJ, Reinhartz A, Park RM [2007]. Cancer and construction: what occupational histories in a Canadian community reveal. *Int J Occup Environ Health* 13(1):32–38.
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- 0046.** Burgess-Limerick R, Steiner L [2007]. Preventing equipment related injuries in underground U.S. coal mines. *Min Eng* 59(10):20–22, 24, 26, 28, 30–32.
- 0047.** Burton NC, Grinshpun SA, Reponen T [2007]. Physical collection efficiency of filter materials for bacteria and viruses. *Ann Occup Hyg* 51(2):143–151.



- 0048.** Caddell M, Doney B, Bang KM, Petsonk EL [2007]. Respiratory protection in U.S. industry—an evaluation of program quality indicators and occupational health outcomes. *J Int Soc Respir Prot* 24(III–IV):63–73.
- 0049.** Calvert GM, Alarcon WA, Chelminski A, Crowley MS, Barrett R, Correa A, Higgins S, Leon HL, Correia J, Becker A, Allen RH, Evans E [2007]. Case report: three farmworkers who gave birth to infants with birth defects closely grouped in time and place—Florida and North Carolina, 2004–2005. *Environ Health Perspect* 115(5):787–791.
- 0050.** Calvert GM, Petersen AM, Sievert J, Mehler LN, Das R, Harter LC, Romoli C, Becker A, Ball C, Male D, Schwartz A, Lackovic M [2007]. Acute pesticide poisoning in the US retail industry, 1998–2004. *Public Health Rep* 122(2):232–244.
- 0051.** Calvert GM, Roscoe RJ, Luckhaupt SE [2007]. Lead exposure among females of childbearing age—United States, 2004. *MMWR* 56(16):397–400.
- 0052.** Cardis E, Richardson L, Deltour I, Armstrong B, Feychting M, Johansen C, Kilkenny M, McKinney P, Modan B, Sadetzki S, Schuz J, Swerdlow A, Vrijheid M, Auvinen A, Berg G, Blettner M, Bowman J, Brown J, Chetrit A, Christensen HC, Cook A, Hepworth S, Giles G, Hours M, Iavarone I, Jarus-Hakak A, Klaeboe L, Krewski D, Lagorio S, Lonn S, Mann S, McBride M, Muir K, Nadon L, Parent ME, Pearce N, Salminen T, Schoemaker M, Schlehofer B, Siemiatycki J, Taki M, Takebayashi T, Tynes T, van Tongeren M, Vecchia P, Wiart J, Woodward A, Yamaguchi N [2007]. The INTERPHONE study: design, epidemiological methods, and description of the study population. *Eur J Epidemiol* 22(9):647–664.
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- 0055.** Cashdollar KL, Zlochower IA [2007]. Explosion temperatures and pressures of metals and other elemental dust clouds. *J Loss Prev Process Ind* 20(4–6):337–348.
- 0056.** Cecala A, Organiscak J, Zimmer J, Moredock D, Hillis M [2007]. Closing the door to dust when adding drill steels. Uni-directional cab filtration and pressurization system tested. *Rock Prod* 110(10):29–32.

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**0058.** Cecala AB, Rider JP, Zimmer JA, Timko RJ [2007]. Dial down dust and noise exposure. *Aggreg Manag* 12(7):50–53.

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**0060.** Charles LE, Burchfiel CM, Fekedulegn D, Andrew ME, Violanti JM, Vila B [2007]. Obesity and sleep: the Buffalo Police health study. *Policing* 30(2):203–214.

**0061.** Charles LE, Burchfiel CM, Fekedulegn D, Vila B, Hartley TA, Slaven J, Mnatsakanova A, Violanti JM [2007]. Shift work and sleep: the Buffalo Police health study. *Policing* 30(2):215–227.

**0062.** Charles LE, Fekedulegn D, McCall T, Burchfiel CM, Andrew ME, Violanti JM [2007]. Obesity, white blood cell counts, and platelet counts among police officers. *Obesity* 15(11):2846–2854.

**0063.** Chen F, Castranova V [2007]. Nuclear factor- $\kappa$ B, an unappreciated tumor suppressor. *Cancer Res* 67(23):11093–11098.

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**0065.** Chen GX, Jenkins EL [2007]. Potential work-related exposures to bloodborne pathogens by industry and occupation in the United States, Part II: a telephone interview study. *Am J Ind Med* 50(4):285–292.

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**0068.** Coleman PJ, Kerkering JC [2007]. Measuring mining safety with injury statistics: lost workdays as indicators of risk. *J Saf Res* 38(5):523–533.

**0069.** Cummings KJ [2007]. Tuberculosis control: challenges of an ancient and ongoing epidemic. *Public Health Rep* 122(5):683–692.

**0070.** Cummings KJ, Cox-Ganser J, Riggs MA, Edwards N, Kreiss K [2007]. Respirator donning in post-hurricane New Orleans. *Emerg Infect Dis* 13(5):700–707.

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*NORA: Services*

**0073.** Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik D, Kromhout H, Reynolds SJ, Alavanja MC [2007]. Pesticide dose estimates for children of Iowa farmers and non-farmers. *Environ Res* 105(3):307–315.

*NORA: Agriculture, Forestry and Fishing: Manufacturing*

**0074.** Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik D, Kromhout H, Reynolds SJ, Alavanja MC [2007]. Urinary pesticide concentrations among children, mothers and fathers living in farm and non-farm households in Iowa. *Ann Occup Hyg* 51(1):53–65.

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**0076.** Damiani CL, O'Callaghan JP [2007]. Recapitulation of cell signaling events associated with astrogliosis using the brain slice preparation. *J Neurochem* 100 (3):720–726.

**0077.** Danielson RW, Azman A [2007]. Contemporary technology for hearing conservation audiometric monitoring. Update: The Newsletter of the Council for Accreditation in Occupational Hearing Conservation 19(3):1, 5–6, 10.

**0078.** Dankovic D, Kuempel E, Wheeler M [2007]. An approach to risk assessment for TiO<sub>2</sub>. *Inhal Toxicol* 19(Suppl 1):205–212.

**0079.** Davis RR, Kuo MW, Stanton SG, Canlon B, Krieg E, Alagramam KN [2007]. *N*-acetyl L-cysteine does not protect against premature age-related hearing loss in C57BL/6J mice: a pilot study. *Hear Res* 226(1–2):203–208.

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**0080.** Day GA, Dufresne A, Stefaniak AB, Schuler CR, Stanton ML, Miller WE, Kent MS, Deubner DC, Kreiss K, Hoover MD [2007]. Exposure pathway assessment at a copper-beryllium alloy facility. *Ann Occup Hyg* 51(1):67–80.

## ***I. Journal Articles***

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**0082.** De Rosa MI, Litton CD [2007]. Effectiveness of various concentrations of an inert gas mixture for preventing and suppressing mining equipment cab fires: development of a dual cab fire inerting system. *Fire Technol* 43(1):29–44.

**0083.** Demchuk E, Yucesoy B, Johnson VJ, Andrew M, Weston A, Germolec DR, De Rosa CT, Luster MI [2007]. A statistical model for assessing genetic susceptibility as a risk factor in multifactorial diseases: lessons from occupational asthma. *Environ Health Perspect* 115(2):231–234.

**0084.** Dement JM, Kuempel E, Zumwalde R, Smith R, Stayner L, Loomis D [2007]. Development of a fiber size-specific job-exposure matrix for airborne asbestos fibers. *Occup Environ Med* [<http://dx.doi.org/10.1136/oem.2007.033712>].

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**0085.** Derk SJ, Marsh SM, Jackson LL [2007]. Nonfatal occupational injuries and illnesses—United States, 2004. *JAMA* 298(8):856–858.

**0086.** Derk SJ, Marsh SM, Jackson LL [2007]. Nonfatal occupational injuries and illnesses—United States, 2004. *MMWR* 56(16):393–397.

**0087.** Doney B [2007]. Take a breather. *Concrete Prod* Nov 1:47–48.

**0088.** Doney B, Greskevitch M, Groce D [2007]. Survey of respirator use and practices: construction industry. *Demolition* Nov/Dec:28–32.

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**0090.** Doney B, Greskevitch M, Groce D, Syamlal G, Bang KM [2007]. Respirator use and practices in primary metal operations. *Met Prod Process* Mar/Apr:31–32.

**0091.** Doney B, Greskevitch M, Groce D, Syamlal G, Bang KM [2007]. Survey examines respirator use in metal fabricating industry. *The Fabricator* 37(9):13.

**0092.** Dong RG, Dong JH, Wu JZ, Rakheja S [2007]. Modeling of biodynamic responses distributed at the fingers and the palm of the human hand-arm system. *J Biomech* 40(10):2335–2340.

**0093.** Dorfleutner A, Talbott SJ, Bryan NB, Funya KN, Rellick SL, Reed JC, Shi X, Rojanasakul Y, Flynn DC, Stehlik C [2007]. A Shope Fibroma virus PYRIN-only protein modulates the host immune response. *Virus Genes* 35(3):685–694.

*NORA: Manufacturing*

**0094.** Duling MG, Lawrence RB, Slaven JE, Coffey CC [2007]. Simulated workplace protection factors for half-facepiece respiratory protective devices. *J Occup Environ Hyg* 4(6):420–431.

**0095.** Durkin ME, Yuan B-Z, Zhou X, Zimonjic DB, Lowy DR, Thorgeirsson SS, Popescu NC [2007]. DLC-1: a Rho GTPase-activating protein and tumour suppressor. *J Cell Mol Med* 11(5):1185–1207.

*NORA: Manufacturing*

**0096.** Eastes W, Baron PA, Baier RE, Guldberg M, Potter R [2007]. Do vitreous fibers break in the lung? *Inhal Toxicol* 19(4):311–315.

**0097.** Entzel P, Albers J, Welch L [2007]. Best practices for preventing musculoskeletal disorders in masonry: stakeholder perspectives. *Appl Ergon* 38(5):557–566.

**0098.** Erdely A, Freshour G, Tain Y-L, Engels K, Baylis C [2007]. DOCA/NaCl-induced chronic kidney disease: a comparison of renal nitric oxide production in resistant and susceptible rat strains. *Am J Physiol Renal Physiol* 292:F192–F196.

**0099.** Etherton JR, Ronaghi M, Current RS [2007]. Development of a pultruded FRP composite material ROPS for farm tractors. *Compos Struct* 78(2):162–169.

*NORA: Agriculture, Forestry and Fishing*

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**0101.** Fairley KJ, Purdy R, Kearns S, Anderson SE, Meade BJ [2007]. Exposure to the immunosuppressant, perfluorooctanoic acid, enhances the murine IgE and airway hyperreactivity response to ovalbumin. *Toxicol Sci* 97(2):375–383.

**0102.** Fang J, Ding M, Yang LL, Liu L-Z, Jiang B-H [2007]. PI3K/PTEN/AKT signaling regulates prostate tumor angiogenesis. *Cell Signal* 19(12):2487–2497.

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**0103.** Fedan JS, Wu DX-Y, Van Scott MR [2007]. Altered ion transport and responsiveness to methacholine and hyperosmolarity in air interface-cultured guinea-pig tracheal epithelium. *J Pharmacol Toxicol Methods* 55(2):135–143.

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**0105.** Flemmer MM, Ham JE, Wells JR [2007]. Field and laboratory emission cell automation and control system for investigating surface chemistry reactions. *Rev Sci Instrum* 78(1):014101.

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**0106.** Forester CD, Ham JE, Wells JR [2007].  $\beta$ -Ionone reactions with ozone and OH radical: rate constants and gas-phase products. *Atmos Environ* 41(38):8758–8771.

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**0107.** Forester CD, Ham JE, Wells JR [2007]. Geraniol (2,6-dimethyl-2,6-octadien-8-ol) reactions with ozone and OH radical: rate constants and gas-phase products. *Atmos Environ* 41(6):1188–1199.

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**0109.** Galinsky T, Swanson N, Sauter S, Dunkin R, Hurrell J, Schleifer L [2007]. Supplementary breaks and stretching exercises for data entry operators: a follow-up field study. *Am J Ind Med* 50(7):519–527.

**0110.** Gallagher S, Marras WS, Litsky AS, Burr D, Landoll J, Matkovic V [2007]. A comparison of fatigue failure responses of old versus middle-aged lumbar motion segments in simulated flexed lifting. *Spine* 32(17):1832–1839.

**0111.** Gallagher S, Mayton AG [2007]. Back injury control measures for manual lifting and seat design. *Min Eng* 59(12):41–49.

**0112.** Gao P, King WP, Shaffer R [2007]. Review of chamber design requirements for testing of personal protective clothing ensembles. *J Occup Environ Hyg* 4(8):562–571.

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**0113.** Glaser R, Kurimo R, Shulman S [2007]. Performance testing of NIOSH method 5524/ASTM method D-7049-04, for determination of metalworking fluids. *J Occup Environ Hyg* 4(8):583–595.

**0114.** Green FHY, Vallyathan V, Hahn FF [2007]. Comparative pathology of environmental lung disease: an overview. *Toxicol Pathol* 35(1):136–147.

### *NORA: Manufacturing: Mining*

**0115.** Guo L, Abraham J, Flynn DC, Castranova V, Shi X, Qian Y [2007]. Individualized survival and treatment response predictions for breast cancers using phospho-EGFR, phospho-ER, phospho-HER2/neu, phospho-IGF-IR/In, phospho-MAPK, and phospho-p70S6K proteins. *Int J Biol Markers* 22(1):1–11.

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**0116.** Gwinn MR, Whipkey DL, Tennant LB, Weston A [2007]. Gene expression profiling of di-n-butyl phthalate in normal human mammary epithelial cells. *J Environ Pathol Toxicol Oncol* 26(1):51–61.

**0117.** Han SG, Castranova V, Vallyathan V [2007]. Comparative cytotoxicity of cadmium and mercury in a human bronchial epithelial cell line (BEAS-2B) and its role in oxidative stress and induction of heat shock protein 70. *J Toxicol Environ Health, A* 70(9–10):852–860.

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**0119.** Harper M, Lee EG, Harvey B, Beard M [2007]. The effect of a proposed change to fiber-counting rules in ASTM International Standard D7200-06. *J Occup Environ Hyg* 4(5):D42–D45.

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**0126.** Hein MJ, Stayner LT, Lehman E, Dement JM [2007]. Follow-up study of chrysotile textile workers: cohort mortality and exposure-response. *Occup Environ Med* 64(9):616–625.

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**0128.** Hendricks SA, Jenkins EL, Anderson KR [2007]. Trends in workplace homicides in the U.S., 1993–2002: a decade of decline. *Am J Ind Med* 50(4):316–325.

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**0129.** Henn SA, Utterback DF, Waters KM, Markey AM, Tankersley WG [2007]. Task- and time-dependent weighting factors in a retrospective exposure assessment of chemical laboratory workers. *J Occup Environ Hyg* 4(2):71–79.

**0130.** Henneberger PK [2007]. Work-exacerbated asthma. *Curr Opin Allergy Clin Immunol* 7(2):146–151.

**0131.** Herrick RF, McClean MD, Meeker JD, Zwack L, Hanley K [2007]. Physical and chemical characterization of asphalt (bitumen) paving exposures. *J Occup Environ Hyg* 4(Suppl 1):209–216.

**0132.** Hines CJ, Deddens JA, Coble J, Alavanja MCR [2007]. Fungicide application practices and personal protective equipment use among orchard farmers in the agricultural health study. *J Agric Saf Health* 13(2):205–223.

### *NORA: Agriculture, Forestry and Fishing*

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**0135.** Hogan SL, Cooper GS, Savitz DA, Nylander-French LA, Parks CG, Chin HS, Jennette CE, Lionaki S, Jennette JC, Falk RJ [2007]. Association of silica exposure with anti-neutrophil cytoplasmic autoantibody small-vessel vasculitis: a population-based, case-control study. *Clin J Am Soc Nephro* 2(2):290–299.

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- 0144.** Jorgensen MJ, Kittusamy K, Aedla PB [2007]. Repeatability of a checklist for evaluating cab design characteristics of heavy mobile equipment. *J Occup Environ Hyg* 4(12):913–922.
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**0155.** Kisin ER, Murray AR, Keane MJ, Shi XC, Schwegler-Berry D, Gorelik O, Arepalli S, Castranova V, Wallace WE, Kagan VE, Shvedova AA [2007]. Single-walled carbon nanotubes: geno- and cytotoxic effects in lung fibroblast V79 cells. *J Toxicol Environ Health, A* 70(24):2071–2079.

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**0159.** Kowalski-Trakofler K, Barrett E [2007]. Reducing non-contact electric arc injuries: an investigation of behavioral and organizational issues. *J Saf Res* 38(5):597–608.

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**0168.** Landen DD, Kowalski-Trakofler KM [2007]. Workplace stress. *Am Longwall Mag* May:6.

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**0172.** Lewis JA, Rao KMK, Castranova V, Vallyathan V, Dennis WE, Knechtges PL [2007]. Proteomic analysis of bronchoalveolar lavage fluid: effect of acute exposure to diesel exhaust particles in rats. *Environ Health Perspect* 115(5):756–763.

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**0178.** Lipscomb HJ, Jackson LL [2007]. Nail-gun injuries treated in emergency departments—United States, 2001–2005. *MMWR* 56(14):329–332.

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**0181.** Lowe BD, Kong YK, Krieg E, Wurzelbacher S, Lee S-J [2007]. A field investigation of manual forces associated with trigger and push to start electric screwdrivers. *Hum Factors Ergon Manuf* 17(4):367–382.

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**0184.** Ma C, Wang J, Gao Y, Gao T-W, Chen G, Bower KA, Odetallah M, Ding M, Ke Z, Luo J [2007]. The role of glycogen synthase kinase 3 $\beta$  in the transformation of epidermal cells. *Cancer Res* 67(16):7756–7764.

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**0191.** Martin SB Jr., Coffey CC [2007]. An indoor environmental quality investigation of the Fayette County (Pennsylvania) courthouse. *Indoor and Built Environment* 16(5):456–464.

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- 0204.** Miller A, Ahlstrand G, Kittelson D, Zachariah M [2007]. The fate of metal (Fe) during diesel combustion: morphology, chemistry, and formation pathways of nanoparticles. *Combust Flame* 149(1–2):129–143.
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- 0206.** Miller AL, Hoover MD, Mitchell DM, Stapleton BP [2007]. The nanoparticle information library (NIL): A prototype for linking and sharing emerging data. *J Occup Environ Hyg* 4(12):D131–D134.
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- 0210.** Moyer ES, Commodore MA, Hayes JL, Fotta SA, Berardinelli SP [2007]. Real-time evaluation of ventilation filter-bank systems. *J Occup Environ Hyg* 4(1):58–69.
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- 0307.** Viscusi DJ, King WP, Shaffer RE [2007]. Effect of decontamination on the filtration efficiency of two filtering facepiece respirator models. *J Int Soc Respir Prot* 24(III–IV):93–107.
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- 0309.** Vrijheid M, Cardis E, Ashmore P, Auvinen A, Bae JM, Engels H, Gilbert E, Gulis G, Habib R, Howe G, Kurtinaitis J, Malker H, Muirhead C, Richardson D, Rodriguez-Artalejo F, Rogel A, Schubauer-Berigan M, Tardy H, Telle-Lamberton M, Usel M, Veress K [2007]. Mortality from diseases other than cancer following low doses of ionizing radiation: results from the 15-country study of nuclear industry workers. *Int J Epidemiol* 36(5):1126–1135.
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*NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment*

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### *NORA: Construction*

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### *NORA: Healthcare and Social Assistance*

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### *NORA: All Sectors*

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*NORA: Agriculture, Forestry and Fishing: Services*

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*NORA: Manufacturing*

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*NORA: All Sectors*

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Services*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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#### ***NORA: Manufacturing***

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*NORA: Mining*

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*NORA: Services*

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*NORA: Mining*

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**0609.** Zhang XD, Siegel PD [2007]. Pharmacological differentiation of early and late phase asthma-like response in trimellitic anhydride (TMA) sensitized and challenged Brown Norway rats [Abstract]. *Toxicologist* 96(1):282.

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## V. CONTROL TECHNOLOGY REPORTS

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*NORA: Transportation, Warehousing and Utilities*

**0614.** NIOSH [2007]. Control technology and exposure assessment for occupational exposure to beryllium: abrasive blasting with coal-slag. By Crouch KG, Echt AS, Kurimo R, Gagnon YT. Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Control Technology Report No. 263–13a.

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

## **VI. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS**

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**0621.** NIOSH [2007]. Highway construction supervisor dies after being backed over by a water truck—South Carolina. By Casini V. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2005–08.

**0622.** NIOSH [2007]. Operator dies from crushing injuries after being pinned between a track drill control console and exterior wall of courthouse—Tennessee. By Romano NT.

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**0623.** NIOSH [2007]. Millwright killed when pinned between the feed rolls of a debarker during machine maintenance—South Carolina. By Higgins DN. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2006–02.

**0624.** NIOSH [2007]. Laborer dies after being run over by a backing dump truck during a nighttime paving project—Virginia. By Kemp P. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2006–03.

**0625.** NIOSH [2007]. Migrant farm worker dies from heat stroke while working on a tobacco farm—North Carolina. By Casini VJ, Loring KA. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2006–04.

**0626.** NIOSH [2007]. Equipment operator dies from burns after a hydraulic line burst on a bulldozer and sprayed hydraulic fluid across the exhaust manifold—Tennessee. By Romano NT. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2006–05.



**0627.** NIOSH [2007]. Laborer dies when a water truck drifts downhill and pins him against a retaining wall—Tennessee. By Romano NT. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2006–06.

**0628.** NIOSH [2007]. Hispanic laborer dies after falling through a second story floor opening in a single family home under construction—North Carolina. By Higgins DN. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2007–01.

**0629.** NIOSH [2007]. Laborer dies when backed over by a TAC truck in residential roadway construction work zone—North Carolina. By Romano NT. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2007–02.

**0630.** NIOSH [2007]. Company owner dies from fall after upper boom failure on aerial lift—Ohio. By Kemp P. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fatality Assessment and Control Evaluation (FACE) Report No. 2007–03.

## **VII. FIRE FIGHTER FATALITY INVESTIGATION AND PREVENTION REPORTS**

**0631.** NIOSH [2007]. One career fire fighter dies and two are injured in apparatus crash—California. By McFall M, Koedam RE. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2005–28.

**0632.** NIOSH [2007]. Career officer injured during a live fire evolution at a training academy dies two days later—Pennsylvania. By Berardinelli S. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2005–31.

**0633.** NIOSH [2007]. Career fire fighter dies after engine he was driving collides with a tractor trailer—Alabama. By Bowyer M, Tarley J. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2006–05.

**0634.** NIOSH [2007]. Volunteer fire fighter is killed and another volunteer fire fighter is injured at a wildland/urban interface fire—Oklahoma. By McFall M, Tarley J. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2006–10.

**0635.** NIOSH [2007]. Career captain dies from complications of a drowning incident due to a combination of exhaustion, hypothermia and carbon monoxide poisoning during surf rescue training—Washington. By Tarley J, Hales T. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2006–14.

**0636.** NIOSH [2007]. Fire fighter suffers heart attack during firefighting operation and dies forty days later—Georgia. By Baldwin TN. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2006–17.

**0637.** NIOSH [2007]. Career lieutenant dies in residential structure fire—Colorado. By Bowyer M, McFall M, Tarley J. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2006–19.

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Hintz P	0120
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<b>Krug H</b>	0100

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<b>Ma Q</b>	0125 0139 0185 0186 0442 0501 0610
<b>Ma Y</b>	0187



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<b>MacDonald PDM</b>	0194
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<b>MacLaughlin MM</b>	0190 0556
<b>Madison TK</b>	0348
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<b>Vesper H</b>	0562
<b>Vila B</b>	0060 0061
<b>Vinson R</b>	0226 0304

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<b>Vipperman JS</b>	0306
<b>Viscusi DJ</b>	0307
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<b>Vrana KE</b>	0042
<b>Vrijheid M</b>	0052 0053 0276 0309 0310
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<b>Wagner GR</b>	0262 0366 0367
<b>Wakelee HA</b>	0311
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<b>Walker JT</b>	0565
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<b>Wallace WE</b>	0155 0313 0368 0369
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<b>Wang J</b>	0184
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<b>Wang SS</b>	0043
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<b>Warren A</b>	0661
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<b>Waters T</b>	0203 0221 0320 0321 0322 0323 0324 0347 0359 0370
<b>Watterson AE</b>	0044
<b>Waugh S</b>	0160 0522
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<b>Weinstock RM</b>	0031
<b>Weisenburger DD</b>	0177
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<b>Weiss LE</b>	0173
<b>Weissman DN</b>	0003 0496
<b>Welbourne J</b>	0038 0325
<b>Welch L</b>	0097
<b>Welcome DE</b>	0153 0197 0331 0477 0478 0479 0530 0543 0560 0593
<b>Wells JR</b>	0008 0105 0106 0107 0121
<b>Wells R</b>	0440
<b>Welsh L</b>	0192
<b>West C</b>	0287
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Whalen JJ	0378 0379
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Whelan EA	0328 0598
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Yannaccone J	0072 0350
Yantek D	0332 0333 0515 0577 0597
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Yee EL	0334
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Yencken MS	0035
Yiin JH	0005 0006 0335
Yin XJ	0336

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<b>Yokley KA</b>	0489
<b>Yong LC</b>	0031 0311 0337 0598
<b>Yoshimura T</b>	0053 0310
<b>Yost MG</b>	0041
<b>Young S</b>	0564 0599 0605 0606
<b>Young S-H</b>	0175 0240 0250 0267 0338 0354 0574
<b>Young T</b>	0291
<b>Yuan B-Z</b>	0095 0339 0600 0601
<b>Yuan L</b>	0340 0602 0603
<b>Yucesoy B</b>	0003 0083 0142 0143 0146 0234 0341 0342 0512 0604
<b>Zachariah M</b>	0204
<b>Zaebst DD</b>	0263 0335
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<b>Zeidler-Erdely PC</b>	0338 0605 0606
<b>Zeng S</b>	0607
<b>Zhang D</b>	0224
<b>Zhang JX</b>	0125
<b>Zhang P</b>	0447 0581
<b>Zhang R</b>	0173
<b>Zhang X</b>	0464 0608
<b>Zhang XD</b>	0609
<b>Zhang Y</b>	0059
<b>Zhao ZW</b>	0610
<b>Zhong XS</b>	0343
<b>Zhou X</b>	0095
<b>Zhuang Z</b>	0344
<b>Zimmer J</b>	0056 0057 0058 0615
<b>Zimonjic DB</b>	0095
<b>Zipf RK Jr.</b>	0345 0403 0453 0611 0612
<b>Zlochower IA</b>	0055
<b>Zumwalde R</b>	0084
<b>Zwack L</b>	0131
<b>Zwerling CS</b>	0292
<b>Zwiener J</b>	0589

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<b>Abrasive blasting</b>	0089 0090
<b>Absorption rates</b>	0150 0329
<b>Accident prevention</b>	0046 0137 0176 0178 0190 0227 0232 0233 0251 0282 0373 0388 0392 0396 0404 0411 0419 0432 0438 0446 0447 0449 0458 0459 0462 0467 0474 0484 0485 0486 0503 0506 0527 0537 0547 0556 0581 0607 0620 0621 0622 0623 0624 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0637 0639 0641 0642 0643 0644 0646 0651
<b>Accident rates/statistics</b>	0085 0086 0137 0178 0227 0232 0233 0345 0411 0458 0503
<b>Acids</b>	0101 0658
<b>Acoustical measurements</b>	0158
<b>Acrylamides</b>	0020
<b>Acute exposure</b>	0012 0050
<b>Administration</b>	0048 0302
<b>Aerosol dispensers</b>	0238
<b>Aerosol particles</b>	0016 0034 0045 0047 0112 0120 0123 0127 0131 0175 0222 0264 0279 0280 0334 0354 0360 0364 0453 0454 0465 0523 0551 0658
<b>Aerosol sampling</b>	0034 0045 0113 0120 0127 0167 0570
<b>Agricultural chemicals</b>	0049 0074 0132 0136 0315 0436
<b>Agricultural machinery</b>	0099 0369 0416 0417 0418 0543 0549 0550
<b>Agricultural workers</b>	0049 0074 0099 0132 0135 0136 0299 0300 0369 0370 0371 0385 0416 0417 0418 0436 0549 0550 0625
<b>Air contamination</b>	0017 0018 0022 0030 0080 0118 0162 0170 0240 0279 0480 0579
<b>Air filters</b>	0010 0014 0047 0199
<b>Air flow</b>	0179 0200 0312 0552
<b>Air monitoring</b>	0010 0014 0022 0030 0035 0080 0118 0162 0169 0198 0201 0304 0480
<b>Air purifiers</b>	0094 0210 0329
<b>Air purifying respirators</b>	0035 0094 0169 0304 0329
<b>Air quality control</b>	0035 0169 0198 0199 0201 0210 0304
<b>Air quality measurement</b>	0010 0035 0080 0169 0210 0279 0304 0362 0663
<b>Air sampling</b>	0027 0131 0210 0613 0618 0663 0667
<b>Air sampling techniques</b>	0027 0170 0210 0362
<b>Air treatment</b>	0199 0205
<b>Airborne dusts/particles</b>	0013 0016 0080 0205 0279 0300 0354 0364
<b>Aircraft</b>	0201 0598
<b>Aircrews</b>	0598
<b>Airflow</b>	0499
<b>Airway obstruction</b>	0192 0302 0314 0672
<b>Alcoholic beverages</b>	0183 0219
<b>Aliphatic hydrocarbons</b>	0356
<b>Allergens</b>	0043 0101 0451 0463 0495 0511 0608 0609
<b>Allergic disorders</b>	0270 0511 0608
<b>Alveolar cells</b>	0267 0440 0480 0528 0573 0599 0605
<b>Amino compounds</b>	0297
<b>Analytical chemistry</b>	0020 0024 0105 0113 0184 0296 0361 0516 0541
<b>Analytical methods</b>	0019 0020 0027 0032 0035 0039 0041 0062 0092 0113 0119 0131

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	0157 0169 0173 0174 0184 0205 0222 0252 0254 0275 0304 0316 0317 0324 0325 0360 0362 0516 0520
<b>Analytical processes</b>	0003 0009 0020 0024 0027 0032 0035 0039 0054 0055 0060 0061 0067 0092 0097 0104 0105 0113 0119 0121 0139 0153 0157 0166 0169 0170 0173 0174 0184 0186 0197 0205 0222 0226 0252 0254 0275 0296 0300 0304 0305 0316 0317 0318 0320 0324 0325 0349 0355 0360 0361 0362 0475 0476 0477 0521 0529 0541 0542 0559 0593
<b>Anatomy</b>	0062 0067
<b>Anemometry</b>	0499
<b>Animal studies</b>	0011 0012 0021 0030 0063 0075 0078 0079 0081 0096 0098 0101 0108 0125 0139 0143 0155 0156 0160 0162 0172 0175 0186 0215 0216 0217 0224 0237 0239 0240 0250 0252 0267 0317 0319 0330 0336 0338 0436 0439 0440 0443 0450 0461 0463 0464 0469 0470 0471 0472 0473 0480 0482 0483 0489 0490 0498 0500 0502 0508 0511 0512 0520 0521 0528 0544 0546 0548 0552 0561 0563 0565 0568 0573 0575 0579 0582 0588 0593 0599 0605 0606 0608 0609
<b>Anthropometry</b>	0138 0344
<b>Antibody response</b>	0142 0316 0317 0341
<b>Antifungals</b>	0315
<b>Antigens</b>	0266 0316 0317 0336
<b>Antineoplastic agents</b>	0318
<b>Antioxidants</b>	0215 0267 0318 0469 0565 0573
<b>Arc welding</b>	0007 0440
<b>Aromatic hydrocarbons</b>	0356
<b>Arsenic compounds</b>	0059
<b>Asbestos dust</b>	0126 0346 0665
<b>Asbestos fibers</b>	0084 0277
<b>Asbestos workers</b>	0084 0126 0277 0283
<b>Asphalt fumes</b>	0131 0377
<b>Asphalt industry</b>	0131 0614
<b>Atmosphere analyzers</b>	0107
<b>Audio visual communication</b>	0145
<b>Audiodfrequency</b>	0145 0213
<b>Audiological testing</b>	0077 0145 0208 0209 0213 0668 0669 0670 0676
<b>Audiometry</b>	0077 0079 0213
<b>Auditory discrimination</b>	0079 0145 0255
<b>Auditory feedback</b>	0145 0209 0213
<b>Auditory nerve</b>	0079 0213
<b>Autoimmunity</b>	0043
<b>Back injuries</b>	0110 0111 0321 0369 0420 0421 0422 0423 0424 0425 0426 0427 0428 0493 0671 0676
<b>Bacterial disease</b>	0011 0155 0250 0673
<b>Bacterial dusts</b>	0155 0191 0336
<b>Bacterial infections</b>	0012 0191 0225 0250 0673 0675
<b>Behavior patterns</b>	0070 0165
<b>Benzenes</b>	0258 0571
<b>Beryllium compounds</b>	0014 0071 0080 0164 0280 0613
<b>Beryllium disease</b>	0071 0080 0164 0272 0280
<b>Bioactivation</b>	0186
<b>Bioassays</b>	0005 0300
<b>Biochemical analysis</b>	0079 0125 0240 0278 0500 0582 0610
<b>Biodynamics</b>	0096 0142 0341 0440 0473 0475 0476 0478 0480 0513 0542 0544

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	0563 0566 0576 0582 0588 0593 0599 0605 0606
<b>Biological agents</b>	0034 0260 0326 0334
<b>Biological function</b>	0095 0116 0185 0265 0266 0491 0552
<b>Biological monitoring</b>	0025 0073 0074 0084 0225 0260 0271 0277 0349 0366 0491 0552
<b>Biological transport</b>	0034 0185 0212 0334
<b>Biological warfare agents</b>	0112 0352
<b>Biomarkers</b>	0019 0020 0025 0116 0148 0215 0219 0237 0266 0271 0349 0442 0455 0461 0483 0541 0565
<b>Biomechanical modeling</b>	0004 0092 0160 0475 0476 0478 0542 0593 0595 0596
<b>Black lung</b>	0420 0421 0426 0428
<b>Blast furnaces</b>	0089 0090
<b>Blasting agents</b>	0530 0579
<b>Blood disorders</b>	0125 0258 0259 0268 0297 0336 0500 0571 0610
<b>Blood vessels</b>	0482 0552 0576
<b>Bloodborne pathogens</b>	0064 0065 0392 0397 0398 0399 0412 0413 0414 0415 0432 0482 0673
<b>Boat manufacturing industry</b>	0615 0616 0617 0618 0619
<b>Body mechanics</b>	0220
<b>Bone marrow</b>	0006 0031 0053
<b>Brain disorders</b>	0042 0052 0076 0245 0275 0546
<b>Brain electrical activity</b>	0042
<b>Brain function</b>	0042 0139 0234 0245
<b>Brain matter</b>	0076
<b>Brain tumors</b>	0052 0275
<b>Breast cancer</b>	0115 0187
<b>Breathing atmospheres</b>	0035 0078 0169 0188 0195 0279 0299 0304
<b>Breathing zone</b>	0035 0169 0171 0279 0304 0613 0618
<b>Brominated compounds</b>	0019
<b>Bronchial asthma</b>	0030 0037 0083 0117 0130 0142 0143 0162 0172 0262 0267 0314 0341 0457 0511 0528 0573 0574 0608 0667 0672
<b>Bronchial cancer</b>	0498
<b>Burns</b>	0410 0427 0458 0503 0644
<b>Cancer rates</b>	0006 0033 0044 0052 0053 0115 0116 0177 0184 0186 0187 0268 0276 0283 0289 0309 0310 0311 0335 0498 0568
<b>Carbides</b>	0204
<b>Carcinogenesis</b>	0117 0148 0184 0216 0224 0298 0337
<b>Carcinogenicity</b>	0114 0148 0165 0184 0224 0311 0337
<b>Carcinogens</b>	0148 0184 0216 0298 0311 0337 0541
<b>Carcinomas</b>	0184 0216
<b>Cardiac function</b>	0009 0482 0636 0638 0640 0645 0647 0649 0650 0652 0653 0654
<b>Cardiopulmonary system disorders</b>	0175 0363 0480 0563 0575
<b>Cardiovascular disease</b>	0175 0393 0410 0636 0638 0640 0645 0647 0649 0650 0652 0653 0654
<b>Cardiovascular function tests</b>	0393 0576
<b>Cardiovascular system disorders</b>	0009 0175 0363 0385 0393 0480 0482 0563 0575 0576 0636 0638 0640 0645 0647 0649 0650 0652 0653 0654
<b>Cell biology</b>	0063 0093 0102 0103 0116 0117 0125 0224 0266 0284 0297 0315 0316 0318 0343 0441 0442 0450 0455 0461 0482 0483 0489 0490 0491 0500 0502 0508 0513 0515 0548 0561 0610
<b>Cell damage</b>	0031 0098 0117 0155 0171 0338 0339 0436 0450 0455 0461 0483
<b>Cell damage (cont.)</b>	0490 0513 0515 0528 0541 0544 0548 0561 0563 0566 0606
<b>Cell function</b>	0062 0102 0103 0125 0148 0216 0266 0271 0284 0297 0315 0316



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<b>Cell metabolism</b>	0093 0098 0102 0116 0155 0184 0216 0266 0271 0297 0316 0339 0341 0343 0436 0442 0455 0461 0464 0483 0490 0491 0498 0513 0515 0528 0554 0565
<b>Cell transformation</b>	0102 0155 0184 0224 0284 0343 0442 0455 0461 0464 0483 0498 0513 0515 0528 0554 0565
<b>Cellular function</b>	0062 0102 0103 0125 0216 0224 0250 0266 0271 0318 0339 0384 0441 0464 0482 0489 0500 0502 0508 0600 0601 0610
<b>Cellular reactions</b>	0031 0093 0101 0102 0103 0114 0116 0155 0171 0172 0224 0237 0250 0266 0271 0315 0343 0384 0436 0439 0442 0450 0455 0461 0483 0490 0498 0512 0513 0515 0528 0541 0548 0561 0590 0600 0601
<b>Cellular respiration</b>	0117 0155 0172 0250 0498 0528
<b>Cellular structures</b>	0125 0171 0184 0284 0441 0482 0489 0498 0500 0502 0508 0554 0610
<b>Cellular transport mechanism</b>	0316 0338 0343 0498
<b>Cellular uptake</b>	0098 0318 0343 0436 0498
<b>Cement industry</b>	0087
<b>Central nervous system disorders</b>	0052 0081 0546 0553 0563 0648
<b>Ceramics industry</b>	0071
<b>Cerebrovascular system disorders</b>	0234 0245
<b>Chemical analysis</b>	0106 0121 0125 0173 0186 0217 0308 0439 0440 0450 0464 0500 0511 0515 0541 0548 0561 0579 0599 0608 0610
<b>Chemical composition</b>	0030 0079 0106 0121 0161 0162 0185 0186 0208 0216 0272 0308 0442 0511 0515 0541 0548 0579 0608
<b>Chemical factory workers</b>	0561 0591
<b>Chemical hypersensitivity</b>	0008 0030 0059 0079 0081 0116 0161 0162 0177 0184 0196 0206 0208 0257 0260 0265 0266 0436 0439 0488 0511 0548 0565 0579 0608
<b>Chemical indicators</b>	0079 0116 0121 0173 0186 0216 0257 0308 0439 0440 0541 0599
<b>Chemical processing</b>	0185
<b>Chemical properties</b>	0010 0022 0030 0059 0079 0108 0112 0116 0121 0161 0162 0177 0184 0186 0208 0257 0266 0272 0278 0279 0308 0382 0384 0400 0436 0442 0464 0488 0565
<b>Chemical synthesis</b>	0030 0059 0162 0173 0177 0184 0185 0186 0208 0266 0272 0278 0284 0464 0541
<b>Chemo receptors</b>	0177 0272 0284
<b>Children</b>	0073 0209 0227 0249 0396 0429 0430 0642
<b>Chlorinated ethylenes</b>	0022
<b>Chlorine compounds</b>	0661
<b>Cholinesterase inhibitors</b>	0657
<b>Chromosome damage</b>	0031 0598
<b>Chronic inflammation</b>	0667 0672
<b>Cigarette smoking</b>	0658
<b>Cleaning compounds</b>	0008
<b>Clinical tests</b>	0032 0115 0187
<b>Coal dust</b>	0017 0018 0054 0235 0256 0304 0314 0346 0365 0452 0466 0562
<b>Coal miners</b>	0017 0018 0235 0269 0281 0303 0314 0341 0365 0380 0420 0421
<b>Coal miners (cont.)</b>	0428 0519 0540 0556 0557 0597
<b>Coal processing</b>	0017 0018 0306

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<b>Coal workers pneumoconiosis</b>	0017 0018 0235 0365 0426
<b>Coatings</b>	0296 0362
<b>Combustion chambers</b>	0199
<b>Combustion gases</b>	0532 0615 0635
<b>Communications industry</b>	0663
<b>Confined spaces</b>	0039 0040 0530
<b>Construction</b>	0004 0035 0039 0044 0273 0383 0496 0614 0629
<b>Construction equipment</b>	0124 0144 0178 0273 0411 0462 0614 0621 0626 0627 0629
<b>Construction workers</b>	0004 0035 0039 0044 0138 0144 0188 0273 0301 0383 0411 0496 0620 0621 0624 0626 0627 0628
<b>Contact dermatitis</b>	0257 0664
<b>Contagious diseases</b>	0334
<b>Control technology</b>	0010 0056 0058 0176 0180 0190 0199 0200 0332 0333 0380 0388 0392 0402 0404 0405 0409 0419 0432 0438 0445 0446 0452 0453 0454 0458 0459 0465 0466 0467 0474 0479 0486 0503 0506 0514 0519 0540 0543 0557 0562 0569 0577 0586 0597 0613 0614 0615 0616 0618 0619 0661
<b>Controlled environment</b>	0198 0199 0201 0445
<b>Copper fumes</b>	0666
<b>Correctional facilities</b>	0065 0412 0413 0414 0415 0673
<b>Cosmetics industry</b>	0362
<b>Cumulative trauma disorders</b>	0293 0383 0456 0469 0471 0547 0584 0585 0595 0596 0671
<b>Cytotoxicity</b>	0300 0313 0368 0498 0512 0554
<b>Cytotoxins</b>	0117 0250 0498 0512 0554
<b>DNA damage</b>	0565
<b>Demographic characteristics</b>	0028 0040 0044 0074 0078 0085 0086 0122 0128 0290 0335 0344 0369 0435 0591 0598
<b>Dermatitis</b>	0066 0215 0257 0286 0426 0463 0512 0513 0548 0604 0658 0664
<b>Diesel emissions</b>	0172 0204 0205 0207 0222 0223 0231 0336 0360 0367 0368 0453 0454 0528 0551
<b>Disease prevention</b>	0071 0164 0225 0261 0288 0302 0318 0365 0379 0384 0397 0398 0399
<b>Disease transmission/vectors</b>	0069 0288 0397 0398 0399
<b>Dose response</b>	0078 0101 0212 0237 0239 0248 0259 0283 0327 0353 0357 0436 0450 0472 0511 0523 0548 0571 0579 0608
<b>Dosimetry</b>	0002 0248
<b>Drivers</b>	0128 0631 0633 0642
<b>Drug interaction</b>	0042 0208 0511
<b>Dust analysis</b>	0016 0120 0229 0243 0279 0341
<b>Dust control equipment</b>	0056 0180 0238 0431
<b>Dust exposure</b>	0056 0057 0118 0120 0205 0223 0229 0240 0272 0279 0300 0304 0314 0341 0342 0346 0380 0431
<b>Dust measurement</b>	0120 0179 0204 0304 0380
<b>Dust particles</b>	0016 0054 0055 0118 0120 0204 0205 0223 0229 0240 0256 0272 0304 0313 0314 0338 0342 0346
<b>Dust sampling</b>	0015 0120 0179 0304
<b>Dust suppression</b>	0180 0452 0466
<b>Ear disorders</b>	0208 0213
<b>Ear protection</b>	0213 0214 0429 0430
<b>Ecological systems</b>	0326
<b>Electrical hazards</b>	0159 0411 0458 0503 0607
<b>Electrical industry</b>	0564

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Electrical insulation	0479
Electrical measurement	0167
Electrical safety	0159 0394 0411 0458 0503 0607
Electrical shock	0458
Electrical workers	0564 0607
Electrochemical analysis	0173
Electrocutions	0410 0411
Electromagnetic radiation	0165
Electronic devices	0181 0253
Emergency equipment	0072 0350
Emergency response	0249 0303 0665
Emergency treatment	0064 0065 0291
Emission sources	0198 0205 0377 0619
Employee exposure	0064 0065 0261 0667 0672
Employee health	0044 0261 0290 0309 0310
Endotoxins	0242
Engineering	0539 0555 0612
Environmental contamination	0045 0053 0119 0266 0289 0309 0310 0342
Environmental control	0069 0105 0663
Environmental exposure	0022 0045 0079 0114 0119 0121 0135 0188 0191 0208 0255 0266 0283 0342 0365 0439 0516 0525 0564
Environmental hazards	0119 0266 0342 0468 0516 0525 0564
Environmental health	0022 0191 0439
Enzyme activity	0066 0185
Epoxides	0066
Equipment design	0016 0138 0220 0320 0388 0577 0615 0622 0623 0629
Equipment operators	0144 0181 0273 0388 0437 0577 0622 0626 0629 0630
Ergonomics	0004 0097 0111 0157 0221 0228 0293 0294 0324 0347 0359 0381 0383 0391 0456 0469 0493 0518 0547 0558 0584 0585 0595 0596 0655 0656 0671
Ethylenes	0337
Etiology	0342
Excretion	0450 0464
Exhaust gases	0207 0615 0635 0665
Exhaust ventilation	0198 0200
Explosion damage	0592
Explosion prevention	0054 0055 0419 0497 0517
Explosion protection	0402
Explosive atmospheres	0151 0522
Explosive dusts	0054 0055 0256 0517
Explosive gases	0151 0419 0517 0522
Exposure assessment	0012 0013 0030 0064 0065 0080 0084 0098 0108 0129 0162 0171 0212 0235 0246 0277 0279 0331 0353 0565 0613 0614 0616 0617 0618
Exposure levels	0012 0022 0032 0071 0081 0098 0101 0121 0148 0171 0208 0219 0239 0260 0279 0323 0362 0377 0565
Exposure methods	0081 0098 0121 0171 0260
Extension ladders	0411
Eye disorders	0194
Eye injuries	0178
Eye irritants	0194 0661 0674 0676
Eye protective equipment	0132 0286 0676
Eye shields	0286

<b>Keyword</b>	<b>Citation Number(s)</b>
Eye strain	0109
Face masks	0010 0094
Factory workers	0564
Falls	0410
Fatigue	0109 0381 0672
Fertility	0116 0436
Fetus	0473
Fiber deposition	0084 0096 0277
Fibrogenesis	0267 0572 0573
Fibrous dusts	0013 0617
Fibrous glass	0296 0616 0617 0618
Filter materials	0047 0210 0231 0296 0496
Filters	0016 0210 0226 0231 0296 0307 0390 0431 0453
Filtration	0047 0296 0307
Fire extinguishing agents	0295 0587
Fire extinguishing systems	0295 0587
Fire fighters	0010 0038 0065 0146 0225 0286 0287 0374 0393 0589 0604 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0665 0675
Fire fighting equipment	0010 0112 0589 0631 0632 0633 0634 0635 0637 0641 0642 0644 0646 0651
Fire hazards	0010 0038 0146 0479 0602 0651
Fire protection equipment	0010 0112
Fire resistant materials	0112 0602
Fire retardants	0082 0295 0587
First aid	0291
Fishing industry	0176 0183 0232 0233 0370 0371 0388
Flammable gases	0419 0522
Floors	0449
Fluorescence spectrometry	0014
Food additives	0163 0192 0667 0672
Food processing workers	0163 0192 0661 0667 0672 0677
Forestry workers	0370 0371
Formaldehydes	0089 0090
Foundries	0089 0090
Free radicals	0318
Fuels	0223 0356 0455 0619
Fumes	0007 0012 0039 0118 0131 0188 0205 0254 0272 0278 0308 0377 0440 0530 0606 0666
Fumigants	0012
Fungal diseases	0201 0264 0338
Fungi	0191 0201 0264 0338 0451 0495 0570
Fungicides	0049 0132 0315 0407
Gas adsorption	0131 0455
Gas chromatography	0019 0108 0217
Gas mixtures	0121
Gas sampling	0127
Gas welders	0440
Gene mutation	0031 0083 0116 0156 0284 0337 0498 0554 0598
Genetic disorders	0125 0266 0284 0483 0500 0513 0598

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<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Genetic factors</b>	0043 0083 0116 0142 0146 0148 0155 0185 0187 0196 0197 0216 0260 0266 0272 0284 0298 0311 0319 0337 0341 0342 0441 0498 0554 0561 0564 0568 0604 0610
<b>Genotoxic effects</b>	0155 0156 0165 0266 0284 0313 0368 0498 0554 0561 0598
<b>Geology</b>	0140 0149 0150 0189 0345 0389 0406 0444 0460 0481 0492 0494 0505 0509 0534 0535 0539 0555 0580 0611
<b>Geophysics</b>	0492 0509 0539 0555
<b>Glass manufacturing industry</b>	0660
<b>Gold mines</b>	0422
<b>Gravimetric analysis</b>	0015
<b>Ground stability</b>	0375 0389 0406 0434 0438 0444 0446 0459 0467 0474 0485 0486 0492 0506 0507 0524 0527 0533 0536 0537 0538 0556 0581
<b>HIV</b>	0397 0398 0399 0673
<b>Halogenated compounds</b>	0408
<b>Hand injuries</b>	0160 0178 0331 0478 0529
<b>Hand tools</b>	0157 0197 0478 0518
<b>Hard rock mines</b>	0389 0406 0445 0474 0484 0485 0486 0492 0509 0539 0555 0594 0612
<b>Hazardous materials</b>	0050 0171 0186 0374 0382 0400
<b>Hazardous waste cleanup</b>	0374
<b>Health care facilities</b>	0064 0065 0123 0136 0320 0347 0359 0374 0408 0449
<b>Health care personnel</b>	0136 0203 0220 0221 0270 0307 0320 0325 0347 0359 0378 0392 0408 0412 0413 0414 0415 0432 0449
<b>Health hazards</b>	0017 0018 0050 0171 0186 0257 0261 0270 0320 0366 0382 0400 0516 0525 0530 0564 0659
<b>Health standards</b>	0045 0320
<b>Hearing acuity</b>	0145 0167 0213 0433
<b>Hearing conservation</b>	0147 0202 0213 0351 0429 0430 0433 0519 0540 0545 0557 0597 0616 0668 0669 0670
<b>Hearing disorders</b>	0147 0202 0209 0213 0351 0519 0540 0545 0557 0597 0668 0669 0670
<b>Hearing impairment</b>	0079 0147 0202 0208 0213 0255 0351 0405 0420 0422 0423 0424 0425 0426 0427 0428 0433 0519 0540 0545 0557 0597
<b>Hearing level</b>	0002 0079 0145 0208 0214 0255
<b>Hearing protection</b>	0026 0079 0124 0145 0147 0202 0209 0213 0214 0348 0429 0430 0448 0545
<b>Heat exposure</b>	0198 0660 0665
<b>Heat regulation</b>	0198 0199
<b>Heat stress</b>	0198 0394 0659 0660 0665
<b>Heat stroke</b>	0394 0426 0427 0625 0660
<b>Heating equipment</b>	0199
<b>Heavy metal poisoning</b>	0051
<b>Heavy metals</b>	0006 0011 0051
<b>Hemolytic anemia</b>	0610
<b>Hepatic microsomal enzymes</b>	0588
<b>Hepatitis</b>	0397 0398 0399 0412 0413 0414 0415
<b>Hepatotoxicity</b>	0588
<b>Herbicides</b>	0025 0074
<b>Highwall mining</b>	0345
<b>Histochemical analysis</b>	0512
<b>Histopathology</b>	0239 0412 0413 0414 0415 0512
<b>Horizontal stress</b>	0611
<b>Hormone activity</b>	0166 0328 0436

<b>Keyword</b>	<b>Citation Number(s)</b>
Hot environments	0625 0660
Hydrocarbons	0131 0662
Hydroxyl groups	0008
Hypersensitivity	0008 0101
Ignition sources	0522
Immune reaction	0032 0043 0101 0102 0103 0139 0182 0196 0230 0250 0298 0302 0356
Immune system disorders	0007 0032 0043 0093 0224 0230 0250 0262 0297 0334 0336 0356 0673
Immunochemistry	0102 0103 0237 0349
Immunological tests	0219 0349
Indoor air pollution	0008 0105 0170 0191 0659 0673 0674
Industrial environment	0013 0089 0090 0097 0561 0579
Industrial exposures	0561 0579
Industrial factory workers	0579
Industrial health programs	0097
Infectious diseases	0069 0123 0177 0225 0230 0288 0307 0334 0397 0398 0399 0412 0413 0414 0415 0673 0675
Information retrieval systems	0128 0290 0410 0555
Inhalants	0080 0195 0206
Inhalation studies	0005 0012 0030 0080 0096 0121 0162 0170 0172 0195 0206 0229 0280 0488 0490 0511 0552 0563 0608
Inorganic compounds	0129 0300
Insecticides	0049 0074 0361 0407
Intestinal cells	0334
Ionizing radiation	0258 0268 0335 0571 0598
Iron industry	0090
Iron working industry	0004
Irritants	0182 0271 0302 0513
Isocyanates	0089 0090
Jet engine fuels	0356 0455
Job stress	0218 0325
Ketones	0163 0192 0667 0672
Kidney disorders	0135
Laboratory animals	0011 0012 0021 0081 0096 0098 0101 0102 0108 0143 0155 0156 0175 0215 0216 0224 0239 0440 0443 0463 0469 0470 0471 0473 0480 0483 0520 0521 0546 0565 0568 0575 0582 0593 0599 0605 0609
Laboratory equipment	0016 0199 0226 0362
Laboratory testing	0010 0047 0102 0199 0524
Laboratory workers	0064 0129 0195 0362
Lasers	0551
Laundering	0662
Law enforcement workers	0065 0655
Lead absorption	0166
Lead compounds	0051
Lead dust	0120 0666
Leukocytes	0076 0125 0266 0315 0316 0317 0500 0610
Lifting	0110

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<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Lighting systems</b>	0567
<b>Liver cancer</b>	0095
<b>Liver disorders</b>	0482 0588
<b>Longwall mining</b>	0151 0189 0274 0340 0446 0448 0459 0460 0487 0527 0533 0534 0535 0556 0578 0580 0581 0603 0611
<b>Lost work days</b>	0302 0420 0421 0422 0423 0424 0425 0426 0427 0428
<b>Lung cancer</b>	0053 0084 0126 0263 0277 0311 0316 0317 0318 0335 0498 0568 0590 0600 0601
<b>Lung cells</b>	0007 0033 0053 0059 0084 0103 0117 0155 0172 0277 0315 0316 0317 0318 0440 0480 0491 0498 0544 0552 0563 0566 0599 0605 0606
<b>Lung disorders</b>	0007 0011 0012 0017 0018 0030 0033 0084 0118 0136 0146 0155 0161 0162 0163 0164 0171 0172 0195 0236 0240 0250 0269 0277 0311 0318 0336 0346 0420 0421 0426 0428 0472 0483 0498 0544 0563 0564 0576 0582 0606
<b>Lung irritants</b>	0007 0011 0012 0059 0078 0084 0117 0118 0136 0155 0161 0195 0206 0229 0240 0250 0277 0440 0480 0498 0544 0563 0566 0599 0604 0605 0606
<b>Lymphatic system disorders</b>	0177 0266
<b>Lymphocytes</b>	0007 0013 0164
<b>Machine operators</b>	0388 0577 0622
<b>Machine tools</b>	0181
<b>Magnetic fields</b>	0041 0148
<b>Manual lifting</b>	0110 0111 0220 0322 0324 0347 0359 0383 0391 0493 0671
<b>Marine workers</b>	0619
<b>Masons</b>	0097
<b>Mass spectrometry</b>	0066 0107 0217
<b>Materials handling</b>	0111 0281 0383 0391 0421 0422 0423 0424 0425 0426 0427 0428 0493 0579 0671
<b>Medical monitoring</b>	0003 0005 0030 0147 0162 0374 0636 0638 0640 0645 0647 0648 0649 0650 0652 0653 0654 0675
<b>Medical personnel</b>	0065 0112 0221 0241 0378
<b>Medical rescue services</b>	0112 0241 0249 0291
<b>Menstrual disorders</b>	0516
<b>Mental disorders</b>	0234
<b>Mercaptans</b>	0066
<b>Metabolic activation</b>	0185
<b>Metabolism</b>	0155 0185 0582 0605
<b>Metabolites</b>	0019 0025 0185
<b>Metal carbides</b>	0204
<b>Metal compounds</b>	0117 0125 0204 0267 0457 0500 0528 0573 0574 0613
<b>Metal dusts</b>	0016 0055 0457 0574 0666
<b>Metal fumes</b>	0011 0012 0035 0089 0090 0117 0161 0440 0666
<b>Metal industry workers</b>	0011 0658
<b>Metal mining</b>	0055 0158 0420 0422 0427 0465 0506 0507 0527
<b>Metal poisoning</b>	0117 0140 0505
<b>Metalworking fluids</b>	0658 0664
<b>Methacholines</b>	0013
<b>Methane control/drainage</b>	0149 0150 0151 0340 0452 0497 0517 0603
<b>Microbiology</b>	0490
<b>Microchemistry</b>	0490
<b>Microorganisms</b>	0191 0242 0451 0495 0570 0665
<b>Microscopic analysis</b>	0280 0489 0490

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Military personnel</b>	0292 0344 0356
<b>Milling industry</b>	0090
<b>Mine disasters</b>	0295 0506 0587
<b>Mine fires</b>	0295 0303 0468 0522 0586 0587
<b>Mine rescue</b>	0303 0497 0506
<b>Mine shafts</b>	0152 0438 0445 0446 0459 0467 0474 0485 0486 0506 0507 0524 0537 0556 0581
<b>Mine workers</b>	0068 0120 0152 0168 0205 0243 0246 0281 0303 0394 0403 0420 0421 0422 0423 0424 0425 0426 0427 0428 0468 0506 0519 0540 0557 0597
<b>Mineral dusts</b>	0300 0346 0367
<b>Mineral processing</b>	0029 0058 0087 0306
<b>Mining equipment</b>	0026 0029 0046 0056 0082 0140 0158 0180 0231 0238 0253 0333 0380 0402 0404 0405 0409 0431 0444 0445 0447 0454 0465 0468 0505 0519 0540 0551 0557 0560 0567 0569 0577 0597 0602
<b>Molds</b>	0191 0242 0264 0451 0665
<b>Molecular structure</b>	0119 0134 0384
<b>Monitoring systems</b>	0154 0376 0404 0527 0551 0607 0621
<b>Morbidity rates</b>	0013 0370 0371
<b>Mortality rates</b>	0005 0006 0033 0126 0128 0129 0232 0233 0263 0269 0283 0291 0370 0371 0564
<b>Mortality surveys</b>	0005 0126 0232 0233 0291 0564
<b>Motion studies</b>	0021 0134 0228 0319
<b>Multiple seam mining</b>	0460 0611
<b>Muscle cells</b>	0502 0508
<b>Muscle physiology</b>	0075 0443 0470 0502 0508
<b>Muscle stress</b>	0502 0508 0565
<b>Muscle tissue</b>	0160 0502 0508
<b>Muscular disorders</b>	0021 0319
<b>Musculoskeletal system disorders</b>	0004 0111 0144 0160 0203 0220 0221 0262 0293 0294 0319 0320 0321 0323 0347 0359 0369 0383 0391 0443 0456 0469 0470 0471 0493 0508 0558 0565 0584 0595 0596 0655 0656 0671
<b>Mycotoxins</b>	0242
<b>Narcotics</b>	0659
<b>Nasal disorders</b>	0142
<b>Needlestick injuries</b>	0064 0065 0392 0412 0413 0414 0415 0432
<b>Neoplasms</b>	0298
<b>Nephrological disorders</b>	0135
<b>Nerve damage</b>	0139 0160
<b>Nervous system disorders</b>	0076 0520
<b>Nervous system function</b>	0076 0450 0553 0579 0588
<b>Neurological diseases</b>	0042 0275 0648
<b>Neurological reactions</b>	0039 0040 0042 0076 0165 0254 0450 0520 0553
<b>Neuromotor disorders</b>	0156
<b>Neuropathology</b>	0275 0553
<b>Neuropathy</b>	0520 0579
<b>Neurophysiological effects</b>	0039 0040 0254
<b>Neurotoxic effects</b>	0254 0275 0553
<b>Neurotoxicity</b>	0254 0553
<b>Neurotoxicology</b>	0081 0254 0553
<b>Noise analysis</b>	0209 0214 0274 0332 0355 0514 0578 0616 0677
<b>Noise control</b>	0029 0058 0147 0158 0306 0333 0405 0409 0448 0577 0668 0669 0670



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<b>Keyword</b>	<b>Citation Number(s)</b>
Noise frequencies	0079 0208 0209 0255 0348
Noise induced hearing loss	0001 0026 0077 0079 0124 0147 0158 0202 0208 0209 0214 0255 0273 0306 0351 0405 0409 0429 0430 0433 0448 0519 0540 0545 0557 0577 0597 0668 0669 0670 0676
Noise measurement	0002 0147 0158 0209 0214 0355
Noise pollution	0147 0209 0246
Noise protection	0147 0202 0209 0214 0348 0448 0545 0668 0669 0670
Noise transmission	0209 0246
Nonmetal mining	0140 0158 0420 0423 0427 0428 0465 0468 0505 0506 0527
Nuclear energy	0268
Nuclear hazards	0006 0031 0053 0276 0289
Nuclear medicine	0031 0032 0063
Nuclear radiation	0006 0031 0053 0258 0276 0289 0571
Nurses	0064 0221 0328 0378 0392 0432
Occupational hazards	0128 0171 0220 0257 0261 0290 0369 0382 0384 0400 0416 0417 0418 0468 0530 0604 0622
Occupational health	0037 0048 0069 0203 0246 0261 0273 0290 0299 0309 0310 0366 0368 0386 0387 0395 0469 0530 0595 0596
Occupational safety	0386 0387
Oil-refinery workers	0137
Olfactory disorders	0579
Organic chemicals	0106 0129 0154 0439 0667 0672 0674
Organic compounds	0008 0107 0129 0154 0191 0192 0300 0439 0674
Organic solvents	0022 0674
Organic vapors	0022 0105 0154 0329 0390
Organo-phosphorus pesticides	0657
Ototoxicity	0208 0616
Oxidative metabolism	0079 0464 0490 0548 0579
Oxidative processes	0079 0216 0464 0490 0498 0512 0548 0579
Paint shops	0035
Particle counters	0005 0127 0193 0205 0229 0278 0280 0358
Particulate dust	0016 0023 0054 0055 0078 0114 0118 0119 0120 0127 0146 0155 0161 0195 0204 0205 0206 0222 0223 0229 0240 0243 0256 0267 0279 0336 0338 0360 0362 0367 0453 0454 0457 0480 0528 0551 0566 0573 0658
Particulate sampling methods	0010 0016 0034 0041 0078 0112 0120 0127 0193 0207 0222 0252 0264 0278 0279 0358 0360 0362 0566
Pathogenicity	0177 0266 0275
Periodontal disorders	0067
Personal protection	0026 0035 0070 0087 0094 0112 0147 0202 0247 0265 0307 0348 0390 0401 0448 0496 0545 0632 0634 0646 0664 0668 0669 0670 0676
Personal protective equipment	0026 0030 0035 0066 0070 0087 0088 0094 0099 0112 0132 0162 0183 0202 0246 0247 0265 0307 0344 0348 0390 0394 0419 0429 0430 0448 0458 0496 0503 0545 0624 0632 0634 0646 0657 0664 0665 0668 0669 0670 0676
Pesticides	0025 0049 0050 0074 0132 0326 0361 0407 0657
Pesticides and agricultural chemicals	0025 0049 0073 0074 0132 0136 0299 0436 0473 0657
Petroleum products	0674
Pharmaceuticals	0378 0385
Pharmacodynamics	0185 0579 0608

<b>Keyword</b>	<b>Citation Number(s)</b>
Pharmacy workers	0378
Phenols	0215 0217
Phospholipids	0313 0368
Physical capacity	0322
Physical fitness	0285 0636 0638 0640 0645 0647 0648 0649 0650 0652 0653 0654
Physical reactions	0181 0287 0323 0436 0439 0450 0472 0488 0511 0548 0561 0579 0608
Physical stress	0097 0168 0287 0322 0323 0381 0588 0647 0649 0652 0654
Physicians	0378 0392 0432
Physiological chemistry	0278 0280 0450
Physiological disorders	0191 0245
Physiological effects	0139 0265 0287 0325 0351 0450 0655
Physiological measurements	0084 0234 0277 0278 0305
Physiological response	0139 0265 0287 0305 0450 0655
Physiological testing	0234 0278 0287 0450
Plastics	0617 0618
Platelets	0062
Pneumoconiosis	0017 0018 0033 0114 0161 0342 0420 0421 0426 0428
Pneumography	0017 0018 0096 0195
Poison control	0610 0619
Poison gases	0615 0619
Police officers	0060 0061 0062 0122 0214 0305 0374 0655 0656 0665
Polychlorinated biphenyls	0666
Polymers	0173
Polynuclear hydrocarbons	0662
Posture	0144 0228 0324
Poultry workers	0661
Power tools	0124 0178 0197 0331 0559
Pregnancy	0328 0473
Prenatal exposure	0081 0328 0473
Pressure testing	0445
Preventive medicine	0393
Printing industry	0674
Prostatic cancer	0095
Protective clothing	0112 0132 0265 0286 0401 0634 0646 0662 0664
Protetores auditivo	0202
Psychological effects	0040 0122 0287 0655 0656
Psychological factors	0009 0104 0218 0245 0287 0305
Psychological reactions	0038 0122 0182 0245 0287 0305 0435 0588 0656
Psychological stress	0104 0122 0168 0182 0218 0262 0287 0305 0381 0588 0655 0656
Psychomotor disorders	0323
Psychomotor function	0197 0323
Psychosomatic medicine	0104
Pulmonary function	0030 0040 0114 0117 0118 0136 0146 0162 0236 0240 0269 0299 0336 0362 0367 0491 0501 0552 0564 0582 0589 0591
Pulmonary function tests	0060 0118 0133 0250 0269 0362 0440 0480 0501 0544 0563 0582 0589 0591 0599 0605 0606 0667 0672
Pulmonary system disorders (cont.)	0003 0011 0012 0017 0018 0030 0080 0083 0096 0100 0114 0117 0118 0126 0130 0133 0136 0142 0143 0146 0161 0162 0164 0171 0172 0191 0192 0235 0236 0237 0239 0240 0250 0252 0262 0263 0267 0269 0283 0286 0299 0314 0335 0336 0338 0341 0342 0346 0363 0365 0368 0420 0421 0426 0428 0440 0457 0480 0483 0528 0544 0563 0564 0568 0572 0573 0574 0576 0582 0590 0599 0600 0601 0605 0606 0609 0658 0667 0672 0673 0675

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<b>Keyword</b>	<b>Citation Number(s)</b>
Pyrolysis	0532
Qualitative analysis	0199 0241 0276 0523
Quality control	0199
Quality standards	0048
Quantitative analysis	0033 0034 0041 0045 0078 0094 0113 0188 0207 0334 0523
Quarries	0504
Quartz dust	0180 0614
Racial factors	0033 0122 0230 0416 0417 0418 0435
Radiation effects	0031 0053 0177 0289 0309 0310
Radiation exposure	0006 0031 0053 0177 0248 0258 0276 0289 0309 0310 0335 0571
Radiation facilities	0006 0248 0335
Radiation measurement	0006 0031 0053 0177 0248 0289 0309 0310
Radiation properties/tolerance	0053 0289 0309 0310
Radio waves	0052 0165
Radioactive measurement	0053 0289 0309 0310
Refineries	0090
Regulations	0089 0090 0091 0285 0365
Reinforced plastics	0616 0617
Renal absorption	0098
Renal toxicity	0022 0098
Repetitive work	0004 0075 0144 0383 0469 0471 0595 0596
Reproductive effects	0049 0166 0343 0516 0525
Reproductive hazards	0049 0516 0525
Reproductive system disorders	0343 0442 0516 0525
Rescue workers	0112 0241 0287 0320
Respirable dust	0023 0056 0057 0058 0127 0175 0195 0206 0223 0243 0267 0313 0367 0380 0457 0465 0466 0528 0562 0573 0574 0614 0658 0666 0667 0672
Respirators	0010 0035 0048 0070 0087 0088 0089 0090 0091 0094 0169 0247 0285 0307 0329 0344 0410 0632 0641 0666
Respiratory function tests	0133 0501 0544 0563 0589 0591
Respiratory gas analysis	0010 0131
Respiratory infections	0230 0544 0563 0572 0576
Respiratory irritants	0007 0011 0017 0018 0022 0027 0059 0161 0188 0195 0206 0229 0279 0287 0339 0341 0472 0488 0495 0544 0563 0566 0576 0661 0664 0667 0672
Respiratory protective equipment	0010 0035 0048 0070 0087 0088 0089 0090 0091 0094 0132 0169 0247 0285 0286 0307 0344 0390 0410 0496 0632 0641 0657 0665
Retail workers	0050 0211
Risk analysis	0043 0046 0068 0069 0078 0083 0099 0100 0120 0140 0141 0144 0171 0177 0183 0186 0188 0203 0212 0220 0224 0236 0252 0261 0276 0292 0299 0311 0326 0327 0328 0335 0351 0353 0356 0357 0364 0369 0389 0406 0436 0450 0472 0488 0505 0511 0523 0548 0554 0561 0571 0579 0604 0608
Road construction	0251 0621 0624 0629
Robotics	0447 0569
Rock falls	0140 0141 0345 0375 0434 0444 0481 0505 0536 0538
Rock mechanics	0140 0141 0189 0375 0434 0444 0445 0481 0484 0492 0505 0509
Rock mechanics (cont.)	0536 0538 0539 0555 0594
Rodenticides	0407
Roofing industry	0377
Room and pillar mining	0140 0459 0484 0485 0505 0533 0556 0581 0611

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Safety belts</b>	0631
<b>Safety clothing</b>	0112 0265
<b>Safety engineering</b>	0445 0510 0543 0583
<b>Safety equipment</b>	0099 0112 0265 0320 0629 0634 0646
<b>Safety monitoring</b>	0186 0320 0629
<b>Safety practices</b>	0068 0091 0111 0112 0144 0147 0186 0203 0211 0220 0241 0265 0293 0303 0320 0372 0384 0468 0493 0496 0622 0626 0631 0632 0633 0634 0635 0637 0639 0642 0643 0646 0651 0666
<b>Safety programs</b>	0068 0211 0320 0372 0384 0468 0622
<b>Salivary gland disorders</b>	0067
<b>Sampling methods</b>	0014 0015 0045 0062 0134 0179 0264 0304 0352 0526 0570
<b>Sand and gravel mines</b>	0420 0425 0427 0428
<b>Sawmill workers</b>	0564
<b>Screening methods</b>	0366
<b>Self-contained breathing apparatus</b>	0641
<b>Sensitivity testing</b>	0071 0117 0173 0316 0317 0582
<b>Sensitization</b>	0008 0071 0164 0196 0217 0257
<b>Sensory disorders</b>	0160
<b>Service industries</b>	0677
<b>Sex factors</b>	0028 0062 0118 0230 0311 0344 0435
<b>Sexually transmitted diseases</b>	0288
<b>Shift workers</b>	0061 0305
<b>Shipyards workers</b>	0263
<b>Shock waves</b>	0321
<b>Silica dusts</b>	0017 0018 0057 0089 0090 0135 0180 0237 0239 0300 0313 0346 0368 0380 0465 0614 0658
<b>Silicosis</b>	0017 0018 0342 0346 0420 0424
<b>Simulation methods</b>	0134 0170 0189 0312 0526 0531
<b>Skeletal system</b>	0021 0319
<b>Skeletal system disorders</b>	0021 0144 0319
<b>Skin</b>	0174 0216 0330
<b>Skin absorption</b>	0030 0081 0108 0162 0184 0257 0548 0608
<b>Skin diseases</b>	0216 0270 0463 0548
<b>Skin disorders</b>	0184 0194 0216 0270 0287 0463 0512 0513 0548 0658 0664
<b>Skin exposure</b>	0065 0066 0108 0164 0194 0215 0216 0257 0270 0286 0331 0463 0512 0513 0548 0608 0658 0664
<b>Skin irritants</b>	0066 0108 0174 0194 0257 0270 0512 0513 0548 0608 0658 0664 0667 0672
<b>Skin protection</b>	0286 0664
<b>Skin sensitivity</b>	0174 0184 0216 0270 0331 0512 0513 0548
<b>Sleep disorders</b>	0028 0060 0061
<b>Slope stability</b>	0345 0504
<b>Small businesses</b>	0048 0377
<b>Smelters</b>	0089 0090
<b>Smoke inhalation</b>	0010 0561 0604 0666
<b>Smoking</b>	0062 0118 0219 0230 0263 0314 0672
<b>Sodium compounds</b>	0047 0666
<b>Solvent extraction</b>	0296
<b>Solvent vapors</b>	0022 0674
<b>Solvents</b>	0019 0022 0041 0208 0296 0674
<b>Sound attenuation</b>	0124 0158 0333 0405 0409 0448 0668 0669 0670

## X. Keyword Index

<b>Keyword</b>	<b>Citation Number(s)</b>
Sound propagation	0158 0333
Spectrographic analysis	0663
Spinal cord disorders	0053
Spinal shock	0111 0321 0493
Spirometry	0037 0133 0192 0501 0591
Stainless steel	0011 0012
Standards	0015 0048 0164 0348 0543
Steel foundries	0090
Stomach disorders	0334
Stone mines	0029 0141 0420 0424 0427 0428 0551
Stress	0009 0079 0104 0215 0218 0230 0305 0323 0381 0546 0588 0656
Structural analysis	0038 0362 0445
Styrenes	0047 0616 0617 0618
Substance abuse	0042 0044 0183 0546
Sunscreening agents	0362
Surface mining	0056 0180 0243 0293 0294 0345 0394 0404 0420 0421 0428 0431 0456 0465 0504 0530 0584 0585
Surfactants	0313 0368
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Surveillance programs	0064 0065 0071 0178 0212 0290 0366 0370 0371 0378 0675
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Teratogens	0049
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Tissue culture	0330
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Tobacco smoke	0314
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Toxic effects	0019 0023 0032 0101 0116 0165 0186 0208 0212 0279 0313 0436 0472 0488 0498 0512 0516 0554 0572
Toxic gases	0186 0530 0615
Toxic vapors	0186 0498
Toxicology	0023 0030 0162 0165 0280 0354 0357 0364 0472 0516
Toxicopathology	0186 0239 0300 0498 0512 0516 0572 0606
Trace analysis	0014
Transportation industry	0232 0233 0381 0564
Transportation workers	0381 0564
Traumatic injuries	0085 0086 0137 0176 0227 0232 0233 0245 0251 0275 0282 0291

<b>Keyword</b>	<b>Citation Number(s)</b>
	0404 0410 0411 0416 0417 0418 0419 0549 0550 0620 0621 0622 0623 0624 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0637 0639 0641 0642 0643 0644 0646 0651
<b>Truck drivers</b>	0243 0381 0564 0629
<b>Trucking</b>	0381 0629
<b>Tumorinhibition</b>	0102 0184 0343
<b>Tumorigenesis</b>	0052 0095 0102 0184 0224
<b>Tumors</b>	0095 0224 0343
<b>Ultraviolet light/radiation</b>	0194
<b>Underground miners</b>	0140 0158 0235 0281 0295 0303 0314 0365 0380 0420 0421 0428 0468 0505 0519 0530 0540 0556 0557 0587 0597
<b>Uranium compounds</b>	0005 0006 0259
<b>Uranium ore</b>	0006
<b>Urinalysis</b>	0005 0019 0020 0098 0271 0442 0455 0464 0541
<b>Urine chemistry</b>	0005 0025 0073 0098 0271 0442 0455 0464 0516 0541
<b>Urogenital system</b>	0516
<b>Vaccines</b>	0397 0398 0399
<b>Vacuum equipment</b>	0015
<b>Vapor detectors</b>	0308
<b>Vapor volume</b>	0022
<b>Vapors</b>	0173 0308 0616 0617 0618
<b>Ventilation equipment</b>	0199 0244 0560
<b>Ventilation hoods</b>	0170 0200
<b>Ventilation systems</b>	0035 0123 0149 0191 0199 0200 0244 0312 0340 0517 0560 0603 0632 0659 0673
<b>Vertebrae</b>	0110
<b>Veterinary medicine</b>	0668 0670
<b>Vibration control</b>	0111 0153 0197 0493
<b>Vibration disease</b>	0153 0197 0262 0321 0478 0521 0529
<b>Vibration effects</b>	0092 0111 0153 0160 0197 0321 0331 0478 0493 0520 0521 0529
<b>Vibration monitors</b>	0153 0197 0477
<b>Viral diseases/infections</b>	0034 0093 0334 0397 0398 0399 0673
<b>Visual aids</b>	0531
<b>Visual fields</b>	0567
<b>Vitamins</b>	0267 0573
<b>Volatiles</b>	0008 0191 0207 0667 0672 0674
<b>Voltage regulation</b>	0167
<b>Volumetric analysis</b>	0199 0209
<b>Warehousing</b>	0232 0233
<b>Warning devices</b>	0183 0251 0621 0624
<b>Warning systems</b>	0621 0629
<b>Weight factors</b>	0062 0138 0262 0320 0322 0324
<b>Weight measurement</b>	0060 0062
<b>Welders</b>	0035 0039 0040 0188 0254 0263
<b>Welders lung</b>	0007 0011 0263 0440
<b>Welding industry</b>	0007 0011 0012 0039 0040 0089 0090 0263 0271
<b>Work analysis</b>	0061 0068 0097 0135 0171 0197 0278 0305 0320 0322 0323 0324 0328 0478 0496 0629 0655
<b>Work capacity</b>	0036 0112 0265 0302
<b>Work clothing</b>	0112 0265

## X. Keyword Index

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Work intervals</b>	0039 0097 0328
<b>Work practices</b>	0030 0039 0048 0049 0050 0061 0068 0088 0089 0090 0091 0097 0120 0140 0162 0235 0257 0285 0305 0320 0322 0325 0377 0379 0403 0496 0505 0613 0621 0623 0627 0628 0629 0633 0637 0639 0642 0656 0666
<b>Workplace monitoring</b>	0053 0080 0094 0128 0289 0309 0310 0320 0366
<b>Workplace studies</b>	0035 0049 0050 0068 0080 0084 0094 0097 0169 0195 0197 0206 0257 0277 0304 0309 0310 0324 0328 0516 0564 0659
<b>X-ray equipment</b>	0120

## XI. NATIONAL OCCUPATIONAL RESEARCH AGENDA (NORA) INDEX

Topic	Citation Number(s)
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<b>Other Occupational Concerns</b>	
Manufacturing	0023 0030 0043 0073 0074 0079 0093 0095 0096 0102 0114 0115 0127 0148 0155 0160 0167 0171 0184 0187 0193 0195 0216 0224 0239 0252 0267 0296 0297 0316 0317 0318 0339 0343 0351 0354 0357 0358 0361 0362 0363 0364 0384 0436 0455 0457 0473 0490 0498 0515 0520 0521 0523 0525 0544 0548 0552 0563 0566 0568 0572 0573 0575 0576 0600 0601 0616 0617 0618
Agriculture, Forestry and Fishing	0025 0073 0074 0099 0132 0334 0361 0369 0436 0473 0543
Services	0030 0070 0072 0105 0106 0128 0229 0241 0249 0296 0334 0350 0525 0561 0589
All Sectors	0040 0084 0112 0118 0133 0154 0173 0218 0219 0236 0247 0265 0269 0277 0290 0327 0329 0344 0390 0401 0435
Healthcare and Social Assistance	0043 0328 0392 0432 0455 0491
Mining	0114 0180 0243 0403 0431 0433 0438 0474 0484 0485 0486 0498 0540 0557 0586 0597 0603
Construction	0138 0319 0325 0351
Control Technology and Personal Protective Equipment	0312
Transportation, Warehousing and Utilities	0357 0523 0619





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