

Health Hazard Evaluation Reports

BOOK CHAPTERS

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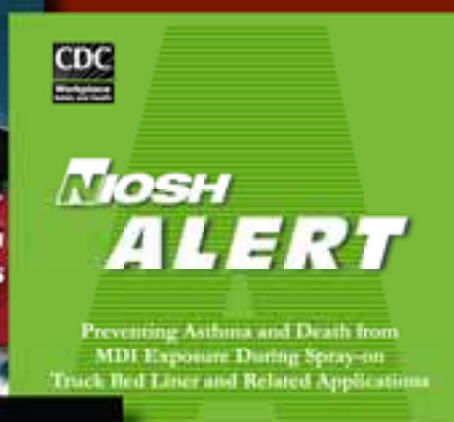
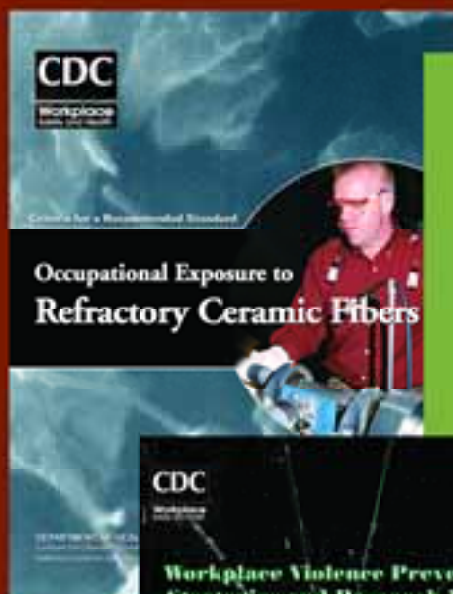


NIOSH Bibliography of Communication and Research Products 2006

Journal Articles

ALERTS

PROCEEDINGS



ABSTRACTS

CONTROL TECHNOLOGY REPORTS

Fatality Assessment and Control Evaluation Reports

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
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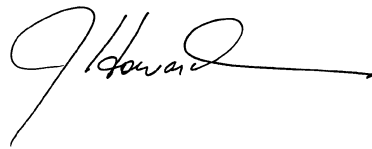
A Listing of NIOSH Publications for Calendar Year 2006

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

May 2007

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.** Agrawal A, Cronin J, Tonazzi J, McCleaskey TM, Ehler DS, Minogue EM, Whitney G, Brink C, Burrell AK, Warner B, Goldcamp MJ, Schlecht PC, Sonthalia P, Ashley K [2006]. Validation of a standardized portable fluorescence method for determining trace beryllium in workplace air and wipe samples. *J Environ Monit* 8(6):619–624.
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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Environment and Workforce: Emerging Technologies

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NORA: Tools and Approaches: Cancer Research Methods

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NORA: Environment and Workforce: Mixed Exposures

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NORA: Tools and Approaches: Exposure Assessment Methods

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NORA: Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Disease and Injury: Traumatic Injuries

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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

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NORA: Tools and Approaches: Cancer Research Methods

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NORA: Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury: Low Back Disorders

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Disease and Injury: Musculoskeletal Disorders

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NORA: Environment and Workforce: Mixed Exposures

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NORA: Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury: Traumatic Injuries

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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

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NORA: Environment and Workforce: Mixed Exposures

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NORA: Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Traumatic Injuries

V. CONTROL TECHNOLOGY REPORTS

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NORA: Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Tools and Approaches: Control Technology and Personal Protective Equipment

VI. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS

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Dust sampling	0071 0131 0180 0224 0295 0464 0608 0618
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Electrical safety	0095 0389 0390 0427 0463 0501 0773
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Keyword	Citation Number(s)
Health care personnel (cont.)	0405 0433 0473 0475 0562 0587 0635 0729 0730 0731
Health hazards	0027 0039 0044 0050 0064 0103 0112 0116 0123 0127 0147 0151 0175 0208 0224 0247 0253 0285 0353 0366 0383 0385 0393 0396 0397 0441 0464 0468 0513 0515 0517 0567 0578 0598 0599 0618 0619
Health science personnel	0587
Hearing conservation	0014 0208 0422 0444 0750 0765
Hearing loss	0005 0014 0027 0355 0380 0381 0422 0441 0444 0480 0544 0594
Hearing loss [NORA]	0005 0014 0027 0076 0208 0225 0422 0441 0444 0480 0544 0551 0637
Hearing protection	0027 0208 0422 0428 0441 0480 0544 0733 0765
Hearing tests	0594
Heat exposure	0693 0706 0745
Heat stroke	0706 0745
Heavy metal poisoning	0749
Heavy metals	0034 0445 0749
Hematopoietic system	0352
Herbicides	0142 0471 0749
Hexanes	0727
Highwall mining	0365 0386
Histology	0018
Hormone activity	0016 0253
Household workers	0563
Humans	0054 0186 0280
Humidity	0127 0517 0591 0608
Hydraulic fluids	0319
Hydrocarbons	0011 0125 0284 0338 0385 0397 0640 0647
Hydroperoxides	0306
Hypersensitivity	0011 0021 0063 0114 0118 0364
Hypertension	0314
Hypoxia	0670
Ignition sources	0319 0338 0345 0346 0348 0349
Immune reaction	0038 0077 0124 0186 0187 0279 0318 0322 0434 0609 0641 0675
Immune system disorders	0038 0186 0187 0434
Immunodiagnosis	0262
Immunological tests	0262 0351 0447
Immunotoxins	0038 0186 0187 0214 0610
In vitro studies	0030 0077 0083 0096 0100 0118 0162 0176 0178 0280 0298 0316 0321 0429 0517 0674
In vivo studies	0018 0073 0077 0078 0176 0178 0188 0213 0244 0298 0316 0429 0437 0478 0479 0586 0596 0653 0656 0674
Indoor air pollution	0203 0223 0227 0266 0306 0317 0350 0380 0381 0525 0738 0740 0748 0756 0757 0766
Indoor environment [NORA]	0102 0126 0524
Industrial engineering	0088
Industrial environment	0216 0350
Industrial hygiene	0039 0072 0088 0295 0504 0561 0631
Industrial hygienists	0071
Infection control	0141 0159 0296 0297 0742 0756
Infectious diseases	0038 0083 0141 0159 0187 0296 0297 0380 0381 0742 0756
Infectious diseases [NORA]	0066 0112 0141 0174 0181 0571
Information dissemination	0391
Information processing	0304 0362 0367 0587 0600
Information retrieval systems	0194 0195 0210 0242 0269 0587

Keyword	Citation Number(s)
Infrared	0224
Inhalation studies	0007 0008 0009 0019 0043 0077 0096 0117 0148 0180 0238 0260 0306 0436 0601 0617
Injury prevention	0029 0048 0049 0051 0091 0095 0103 0110 0111 0129 0156 0157 0175 0192 0193 0210 0217 0232 0233 0281 0333 0334 0370 0373 0376 0377 0378 0389 0390 0392 0400 0401 0402 0404 0419 0424 0440 0449 0450 0451 0452 0457 0463 0473 0475 0493 0494 0495 0496 0501 0505 0506 0512 0534 0535 0539 0550 0564 0569 0570 0582 0585 0590 0591 0613 0615 0635 0652 0662 0665 0687 0688 0689 0690 0692 0694 0695 0697 0698 0699 0700 0701 0702 0703 0707 0708 0712 0713 0718 0771
Inorganic compounds	0100 0321 0744
Insecticides	0183 0471 0749
Insulation materials	0321
Intervention effectiveness research [NORA]	0048 0049 0242 0373 0400 0593 0615
Ionization	0305 0467
Ionizing radiation	0006 0075
Iron compounds	0153 0634
Iron working industry	0002
Irritants	0011
Isocyanates	0030 0406
Job analysis	0150 0567
Job stress	0055 0216 0373 0567 0657
Ketones	0728
Keyboard operators	0052 0283
Kidney disorders	0624
Knee injuries	0470
Laboratory animals	0005 0007 0008 0011 0017 0018 0031 0062 0073 0076 0078 0079 0083 0096 0098 0107 0108 0114 0145 0146 0148 0149 0162 0163 0167 0178 0183 0188 0190 0200 0213 0219 0225 0231 0238 0239 0244 0246 0248 0262 0273 0275 0282 0298 0299 0305 0318 0321 0322 0324 0325 0341 0429 0434 0436 0437 0442 0455 0474 0478 0479 0482 0497 0503 0532 0541 0542 0548 0553 0557 0558 0568 0573 0586 0588 0595 0596 0601 0602 0621 0623 0625 0643 0653 0656 0663 0670 0675 0679
Laboratory equipment	0035 0076
Laboratory testing	0001 0024 0045 0046 0064 0076 0077 0085 0087 0090 0234 0246 0304 0330 0362 0367 0477 0593
Laboratory work	0024 0087 0234 0423
Ladders	0534
Law enforcement workers	0050 0140 0291
Lead absorption	0039 0100 0251 0252
Lead compounds	0039 0100 0132 0133 0251 0252 0459 0526 0605
Lead dust	0039 0133
Lead poisoning	0251 0252
Legislation	0340
Leukocytes	0287
Lifting	0336
Liver cancer	0002 0241 0616 0622
Liver disorders	0190 0241 0624
Livestock	0563
Logging workers	0029 0210

Keyword	Citation Number(s)
Longshoremen	0737
Longwall mining	0023 0048 0049 0338 0342 0348 0371 0386 0500 0538 0546 0555 0579 0618 0630 0677
Low back disorders [NORA]	0302 0303 0378 0440 0662
Lung cancer	0002 0040 0058 0075 0122 0158 0167 0173 0209 0230 0273 0306 0382 0497 0557 0558 0735
Lung disease	0004 0010 0101 0108 0143 0155 0212 0224 0298 0317 0326 0329 0339 0356 0357 0476 0519 0542 0556 0572 0618 0626 0736 0743 0759 0760 0766
Lung disorders	0094 0096 0101 0108 0114 0121 0122 0143 0144 0148 0149 0266 0273 0298 0299 0318 0324 0356 0357 0382 0436 0507 0521 0542 0568 0572 0573 0621 0626 0675 0679 0736 0759 0760
Lung fibrosis	0010 0108 0299 0356 0382 0568 0678 0743
Lung function	0007 0096 0121 0144 0160 0260 0266 0300 0317 0357 0436 0530 0533 0560 0636 0736 0763
Lung irritants	0436 0621 0679 0728
Lymphocytes	0002 0214 0318
Machine operation	0389 0390
Machine operators	0585 0688
Machine shop workers	0235
Machinists	0114
Magnetic properties	0509
Malignant neoplasms	0218
Manganese compounds	0008 0009 0028 0059 0214 0229 0435 0520 0764
Marine workers	0737
Mass spectrometry	0102 0168 0171 0172 0305 0467 0561 0597
Materials handling	0192 0193 0302 0303 0378 0400 0404 0424 0440 0512 0564 0590 0737 0754 0755
Materials handling equipment	0378 0404 0424 0440 0512 0564
Mathematical models	0022 0060 0063 0092 0093 0236 0269 0270 0307 0593
Measurement equipment	0045 0117 0330 0628
Medical examinations	0010 0251 0252 0519 0693 0704 0705 0706 0709 0710 0711 0714 0715 0716 0717 0719 0720 0721 0722 0723 0724 0725 0726
Medical facilities	0112 0147 0161
Medical monitoring	0693 0704 0705 0706 0709 0710 0711 0714 0715 0716 0717 0720 0721 0722 0724 0725 0726 0763
Medical personnel	0112 0161 0271 0333 0334 0562 0587 0593 0635 0651
Medical screening	0080 0140 0159 0519 0693 0704 0705 0706 0709 0710 0711 0714 0715 0716 0717 0719 0720 0721 0722 0723 0724 0725 0726 0728
Menstrual disorders	0016
Mental fatigue	0292
Mental health	0119
Mental stress	0292
Mercury compounds	0059
Mesothelial cells	0020
Metabolic disorders	0293
Metabolism	0053 0145 0368 0603
Metabolites	0467
Metal compounds	0042 0059 0133 0304 0362 0367 0445
Metal dusts	0133 0171 0461 0516
Metal fumes	0007 0009 0042 0171 0436 0516
Metal mining	0192 0338 0345 0371 0385 0386 0397 0458 0461 0464 0499 0538 0551 0589 0598 0599 0631 0637 0640

Keyword	Citation Number(s)
Metalloids	0136
Metals	0009 0034 0059 0071 0132 0133 0171 0172 0445 0464 0526 0605 0621 0623 0626 0633 0679
Metalworking fluids	0235 0596 0746
Metalworking industry	0235 0746
Methacholines	0096 0659
Methane control	0332 0338 0342 0343 0344 0345 0346 0347 0348 0349 0363 0365 0386
Methane drainage	0342
Methanes	0086 0113 0342 0344 0345 0347 0348 0349 0365
Microorganisms	0044 0114 0117 0118 0141 0227 0245 0267 0738 0740 0747 0748 0756 0757 0766
Microscopic analysis	0141 0225 0321
Microscopy	0116 0153 0267 0288 0653 0654 0676
Microwave radiation	0352
Military personnel	0444 0681 0732
Milling industry	0156 0326 0418
Mine disasters	0095 0261 0373 0386 0457 0466 0501 0536 0580 0591
Mine fires	0089 0373 0420 0491 0492 0508 0592 0647 0648 0649 0650 0677
Mine gases	0345 0347 0363 0386 0647
Mine rescue	0089 0290 0420 0508 0647
Mine safety	0389 0390
Mine seals	0580 0606 0644 0648
Mineral dusts	0326 0356 0359 0418 0516
Mineral processing	0156 0157 0418
Minerals	0012 0109 0326 0338
Miners	0015 0047 0089 0108 0135 0192 0193 0257 0261 0336 0373 0375 0389 0390 0394 0398 0408 0438 0457 0458 0484 0508 0523 0527 0536 0537 0551 0590 0591 0592 0599 0606 0618 0636 0637 0642 0644 0646 0647 0659 0678
Mining equipment	0014 0027 0047 0048 0049 0113 0257 0261 0274 0308 0319 0338 0348 0349 0355 0385 0386 0389 0390 0397 0417 0438 0441 0458 0513 0538 0551 0559 0582 0589 0631 0637 0640
Mixed exposures [NORA]	0009 0208 0273 0318 0435 0436 0621 0675 0679
Molds	0044 0227 0245 0262 0619 0740 0756 0757 0766
Molecular biology	0076
Monitoring systems	0075 0090 0144 0198 0300 0403 0449 0451 0530 0531 0569
Monitors	0090 0403
Morbidity rates	0002 0080 0250 0265 0449 0450 0451 0522 0569 0622
Morphology	0017 0162 0166 0437 0482
Mortality rates	0020 0021 0083 0090 0091 0125 0129 0173 0175 0202 0230 0240 0241 0250 0255 0265 0278 0289 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0419 0443 0448 0449 0450 0451 0452 0457 0522 0556 0566 0569 0590 0607 0613 0616 0622 0636 0639 0671
Mortality surveys	0241
Motion studies	0017 0294 0481
Motor vehicles	0242 0607 0701 0707 0713
Mucous membranes	0322
Muscle cells	0163
Muscle function	0060 0449 0670
Musculoskeletal disorders [NORA]	0017 0018 0047 0073 0081 0082 0103 0107 0162 0163 0201 0309 0310 0311 0312 0313 0325 0335 0437 0478 0479 0482 0486 0487 0488 0489 0490 0541 0547 0552 0553 0583 0584 0586 0625 0638 0663 0666 0667 0669 0670 0672 0673
Musculoskeletal system disorders	0051 0052 0060 0095 0107 0232 0233 0283 0294 0334 0335 0336 0376

Keyword	Citation Number(s)
Musculoskeletal system disorders (cont.)	0378 0380 0381 0399 0400 0404 0405 0431 0440 0449 0479 0501 0512 0549 0550 0559 0564 0582 0615 0740 0755
Mutagenesis	0324 0368
Mutagens	0062 0324 0368
Mycotoxins	0116
National occupational research agenda [NORA]	**see NORA index**
Neck injuries	0582
Needlestick injuries	0635
Neoplasms	0202
Nervous system disorders	0182 0320 0602
Neurological diseases	0009 0320 0481
Neurological reactions	0009 0041 0120 0229 0481 0727
Neurological system	0009 0060 0120 0229 0320 0352 0481 0727
Neuromuscular system disorders	0399
Neuropathology	0031 0275 0482
Neurophysiology	0031 0320
Neurotoxic effects	0008 0009 0031 0178 0182 0183 0275 0276 0435 0442 0455 0467 0482 0588 0602 0624
Neurotoxicity	0008 0009 0031 0178 0182 0183 0275 0276 0435 0442 0455 0467 0482 0588 0602
Neurovascular disorders	0541 0552 0663 0669 0672
Nitrates	0004
Nitrogen oxides	0125
Noise control	0095 0418 0422 0501 0551 0637 0684 0765
Noise exposure	0027 0076 0205 0355 0422 0428 0441 0444 0544 0551 0594 0637 0651 0684 0736 0739 0750 0765
Noise induced hearing loss	0005 0027 0095 0205 0355 0422 0441 0444 0501 0544 0551 0594 0637 0749 0765
Noise levels	0014 0027 0191 0428 0441 0651
Noise measurement	0014 0027 0441 0551 0651 0739
Noise protection	0095 0501 0765
Nonionizing radiation	0352 0732
Nonmetal mining	0027 0338 0345 0383 0386 0393 0396 0441 0468 0499 0514 0515 0537 0538 0551 0554 0598 0599 0637
NORA implementation [NORA]	0056 0175 0237 0612
Nucleic acid metabolism	0323
Nurses	0057 0333 0334 0473 0475 0562 0729 0730 0731
Nutritional disorders	0134 0639
Occupational accidents	0032 0037 0151 0175 0194 0195 0210 0242 0590 0593 0607
Occupational diseases	0001 0009 0010 0015 0020 0027 0032 0056 0063 0071 0083 0094 0099 0112 0116 0121 0138 0139 0151 0155 0158 0161 0164 0194 0195 0229 0240 0265 0273 0277 0293 0295 0337 0339 0341 0351 0354 0356 0364 0366 0393 0396 0441 0453 0476 0486 0503 0519 0523 0533 0542 0560 0567 0572 0574 0617 0626 0641 0657 0658 0659 0664 0668 0671
Occupational exposure	0001 0004 0006 0007 0009 0010 0020 0024 0025 0026 0038 0041 0046 0050 0051 0053 0059 0067 0069 0070 0071 0072 0083 0085 0091 0094 0096 0107 0112 0116 0121 0128 0129 0130 0131 0138 0140 0142 0155 0158 0160 0164 0167 0168 0170 0173 0174 0191 0202 0204 0205 0206 0214 0215 0229 0230 0240 0243 0251 0252 0255 0259 0260 0262 0263 0271 0273 0273 0277 0278 0287 0295 0300 0302 0303 0306 0337 0339 0341 0351 0353 0354 0356 0364 0366 0406 0428 0430 0444 0452 0454

Keyword	Citation Number(s)
Occupational exposure (cont.)	0459 0476 0477 0479 0485 0486 0498 0504 0510 0511 0516 0519 0520 0528 0529 0533 0542 0549 0553 0557 0558 0560 0562 0572 0574 0577 0584 0594 0596 0609 0610 0611 0612 0616 0617 0641 0651 0657 0658 0659 0664 0668 0670
Occupational safety programs	0015 0091 0191 0210 0226 0264 0304 0362 0367 0476 0477 0496 0511 0570 0587 0635 0671 0713
Occupations	0021 0194 0195
Office equipment	0052 0283 0353
Office workers	0052 0203 0227 0283 0350 0353 0734
Oil industry	0590
Oil mists	0746
Operating rooms	0729 0730
Optical analysis	0086
Organic acids	0012
Organic compounds	0043 0102 0126 0177 0202 0205 0525 0733 0738 0739 0747 0751 0758
Organic dusts	0064 0516 0761
Organic solvents	0060 0173 0472 0739 0758
Organization of work [NORA]	0057 0214 0215 0216 0217 0331
Organo chlorine compounds	0202
Organo sulfur compounds	0179
Ototoxicity	0208 0594
Oxidation	0028 0152 0153 0221 0238 0467 0634
Oxidative processes	0153 0357 0442 0634
Oxides	0004 0013 0058 0086 0153 0266 0304 0362 0367
Paint spraying	0204 0472
Painters	0472
Paper manufacturing industry	0202
Paramedical services	0174 0701
Particulate sampling methods	0042 0180 0258
Particulates	0042 0085 0166 0171 0172 0179 0180 0191 0197 0204 0206 0220 0235 0246 0258 0284 0382 0385 0397 0460 0461 0509 0545 0576 0601 0605 0627 0733 0737 0738 0741 0746 0748 0753 0754
Pathogenesis	0033 0341 0678
Pathogens	0033 0083
Pathology	0219
Pathomorphology	0033
Peptides	0305
Performing artists	0296 0297
Personal protective equipment	0011 0019 0044 0051 0065 0068 0080 0112 0169 0197 0245 0249 0380 0381 0399 0406 0420 0471 0485 0592 0613 0620 0691 0698 0699 0700 0701 0710 0720 0727 0733 0736 0742 0754 0758 0761 0765
Personality traits	0092 0093
Pesticide residues	0097
Pesticides	0025 0050 0051 0059 0060 0097 0183 0213 0231 0256 0429 0430 0471 0595 0609 0749 0767
Pesticides and agricultural chemicals	0025 0050 0051 0183 0213 0256 0429 0430 0471 0595 0609
Phagocytes	0288 0298 0321 0653 0654
Phagocytic activity	0279 0321
Pharmaceuticals	0022 0322
Pharmacology	0176 0189 0207 0209
Phenols	0596 0597
Phospholipids	0028 0152
Physical chemistry	0208 0279

Keyword	Citation Number(s)
Physical fitness	0693 0704 0705 0706 0709 0710 0711 0714 0715 0716 0717 0720 0721 0722 0724 0725 0726
Physical stress	0693 0704 0705 0706 0709 0710 0711 0716 0725
Physicians	0587
Physiological disorders	0292
Physiological effects	0260 0553
Physiological factors	0199 0336
Physiological measurements	0272
Physiological response	0246 0335
Physiology	0066 0073 0219 0282 0315 0437
Physiopathology	0329
Plants	0211
Plasticizers	0322
Plastics	0684
Plethysmography	0248
Plumbers	0378 0440 0512 0564
Pneumoconiosis	0108 0121 0326 0523 0618
Poison control	0127
Poison gases	0106 0127 0683 0698 0699 0700
Police officers	0032 0050 0140 0272 0291 0292 0293 0465 0657 0760
Pollutants	0090 0098 0140 0246 0353 0458 0540
Polychlorinated biphenyls	0240 0241 0255 0278 0616
Polycyclic aromatic hydrocarbons	0104 0108 0284 0474 0561 0576
Polymers	0177 0322
Polynuclear aromatic hydrocarbons	0746
Polyurethane foams	0533
Posture	0103 0336 0400 0486 0549 0584 0652 0662
Potassium compounds	0528 0604
Poultry industry	0160 0763
Power tools	0378 0440 0488 0512 0541 0547 0552 0564 0583 0638 0663 0669 0686
Pregnancy	0562
Prenatal exposure	0482 0562
Printing industry	0454 0741 0758
Printing inks	0322 0758
Prison workers	0159
Professional workers	0333 0334
Propanes	0087
Prophylaxis	0296 0297
Propylenes	0647
Prostatic cancer	0040 0241 0430 0616
Protective clothing	0068 0472 0691 0710 0727 0758
Protective coatings	0509
Protective equipment	0197 0249 0399 0406 0420 0620 0691 0698 0701 0710 0733 0742 0754 0758 0761 0765
Protein synthesis	0034 0445 0680
Proteins	0012 0013 0034 0061 0104 0109 0134 0136 0152 0182 0189 0244 0325 0433 0467 0483 0529 0604 0680
Psychological disorders	0292
Psychological effects	0331 0734 0759 0760
Psychological stress	0032 0292 0518 0734
Psychologists	0091
Public health	0044 0088 0228 0266 0269 0296 0297 0496 0572 0613 0619
Pulmonary function	0003 0004 0238 0268 0510 0548 0738 0743 0748 0762

Keyword	Citation Number(s)
Pulmonary system disorders	0004 0008 0043 0058 0094 0096 0101 0122 0140 0141 0143 0144 0148 0149 0155 0158 0160 0167 0173 0220 0230 0238 0259 0266 0268 0273 0279 0284 0298 0299 0300 0317 0318 0326 0339 0356 0357 0369 0380 0381 0382 0406 0436 0497 0519 0521 0532 0548 0557 0558 0560 0568 0573 0601 0616 0618 0621 0622 0623 0626 0632 0658 0664 0675 0678 0679 0727 0728 0733 0734 0735 0736 0738 0740 0741 0742 0743 0747 0748 0753 0756 0758 0759 0760 0762 0766
Qualitative analysis	0472 0504
Quantitative analysis	0167 0212 0289 0302 0303 0472 0504 0556 0557 0558 0584
Quarries	0375 0425
Quarry workers	0326 0425
Quartz dust	0079 0121 0137 0154 0158 0184 0483 0513 0629
Questionnaires	0045 0138 0174 0215 0216 0271 0330 0465 0475 0480 0494 0510 0559 0626 0659 0662 0734
Racial factors	0020 0051 0059 0070 0110 0119 0150 0240 0249 0250 0256 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0432 0493 0494 0495 0505 0506 0510 0533 0560 0563 0590 0609 0610 0620 0622 0639
Radiation exposure	0006 0074 0075 0271 0289 0426 0562 0772
Radiation facilities	0271 0426 0772
Radio waves	0732
Radiographic analysis	0010
Radiology	0271
Repetitive work	0017 0073 0312 0335 0400 0431 0479 0584
Reproduction	0254
Reproductive effects	0239 0253 0352 0358
Reproductive hazards	0170 0239 0253 0358
Reproductive system disorders	0170 0239 0253 0358
Rescue workers	0245
Resins	0322 0733
Respirable dust	0010 0094 0108 0113 0212 0224 0227 0295 0326 0382 0403 0464 0468 0513 0523 0614 0618 0629 0685 0686 0728 0733 0736 0741 0743 0751 0761
Respirators	0019 0065 0080 0159 0169 0196 0197 0245 0249 0420 0485 0620 0681 0710 0733 0741 0743
Respiratory irritants	0043 0143 0160 0227 0245 0259 0284 0337 0366 0727 0728 0729 0730 0738 0740 0748 0752 0753 0758 0759 0760 0762 0763 0766
Respiratory protective equipment	0065 0068 0080 0095 0169 0196 0197 0245 0249 0406 0420 0485 0501 0620 0681 0698 0699 0700 0702 0710 0720 0733 0736 0741 0742 0743 0752 0754 0758 0761 0769
Respiratory system disorders	0004 0007 0010 0020 0021 0032 0042 0043 0064 0080 0094 0096 0098 0101 0116 0122 0140 0141 0143 0148 0149 0155 0159 0160 0220 0224 0227 0230 0238 0259 0260 0266 0268 0279 0284 0299 0300 0317 0326 0329 0337 0339 0341 0350 0356 0357 0366 0369 0380 0381 0382 0406 0436 0453 0485 0497 0510 0519 0529 0560 0568 0573 0617 0618 0626 0632 0659 0671 0675 0727 0728 0733 0734 0735 0736 0738 0740 0741 0742 0743 0747 0748 0753 0756 0758 0759 0760 0761 0762 0766
Retail workers	0413
Risk analysis	0001 0006 0016 0017 0036 0038 0040 0047 0050 0053 0055 0056 0060 0069 0077 0112 0129 0149 0155 0164 0167 0170 0173 0175 0183 0186 0187 0201 0202 0212 0215 0217 0229 0230 0232 0233 0236 0254 0264 0265 0271 0277 0279 0291 0293 0302 0303 0333 0334 0354 0389 0390 0395 0430 0470 0476 0486 0498 0504 0510 0516 0517 0536 0537 0553 0557 0558 0560 0562 0565 0567 0584 0593 0594 0602 0607 0611 0612

Keyword	Citation Number(s)
Risk analysis (cont.)	0616 0626 0635 0636 0652 0657 0662 0668
Risk assessment methods [NORA]	0167 0230 0307 0556 0557 0558
Risk factors	0001 0006 0016 0017 0038 0040 0047 0050 0053 0055 0056 0060 0069 0077 0107 0112 0129 0149 0155 0164 0170 0173 0175 0183 0186 0187 0201 0202 0208 0212 0215 0217 0229 0230 0231 0232 0233 0236 0254 0264 0265 0271 0279 0291 0292 0293 0302 0303 0333 0334 0354 0430 0459 0470 0476 0486 0498 0510 0516 0517 0536 0537 0553 0560 0562 0565 0567 0569 0584 0593 0594 0602 0607 0616 0622 0626 0635 0636 0652 0657 0662 0668 0670
Road construction	0284 0687 0689 0690
Road surfacing	0284 0690
Robotics	0661
Rock bursts	0048 0049 0421 0456 0484 0575 0591
Rock falls	0048 0049 0375 0421 0456 0484 0536 0538 0575 0591
Rock mechanics	0371 0438 0456 0484 0502 0538 0575 0591 0606 0682
Rodents	0199
Roof bolters	0355
Roofers	0452 0685 0736
Roofing industry	0168 0452 0685 0686 0736
Room and pillar mining	0499 0514 0537 0554 0579 0646
Safety education	0112 0129 0333 0334 0373 0425 0496 0587 0635 0692 0701 0713 0719 0723
Safety engineering	0088 0308 0570 0689 0690
Safety equipment	0019 0112 0169 0257 0613 0652 0698 0701 0703
Safety monitoring	0257 0448 0452 0496
Safety practices	0029 0051 0112 0191 0245 0333 0370 0389 0390 0423 0425 0462 0496 0570 0613 0689 0690 0692 0695 0696 0698 0703 0708 0713 0718 0719 0723
Safety programs	0029 0370 0373 0423 0425 0511 0635
Safety research	0023 0089 0135 0192 0193 0308 0319 0332 0338 0342 0343 0344 0345 0346 0347 0348 0349 0363 0365 0371 0373 0375 0377 0384 0386 0387 0388 0389 0390 0439 0448 0462 0491 0492 0494 0496 0499 0500 0506 0511 0527 0537 0538 0546 0579 0587 0592 0628 0628 0630 0647 0648 0649 0650 0665 0682
Samplers	0130 0132 0270 0403 0509 0526
Sampling methods	0001 0024 0025 0039 0045 0046 0064 0070 0071 0075 0090 0118 0142 0177 0180 0181 0206 0305 0327 0328 0330 0359 0360 0403 0472 0526 0561 0571 0589 0598 0599 0605 0610 0617
Sand and gravel mines	0157
Sand blasters	0623
Sanitation	0051 0411
Seat designs	0539
Self contained breathing apparatus	0420 0699 0700 0702 0710
Sensitivity testing	0144 0531
Sensitization	0030 0077 0099 0118 0139 0259 0277 0279 0316 0322 0433 0476 0477 0504 0597 0632 0641 0668 0674
Serological techniques	0296 0297
Sex factors	0003 0016 0020 0059 0070 0111 0119 0147 0150 0217 0240 0249 0250 0256 0278 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0432 0504 0510 0519 0533 0560 0584 0609 0610 0620 0622 0639 0652 0657 0658 0664 0681
Shift work	0056 0057 0119 0150 0207 0331 0465 0562 0651
Shift workers	0056 0057 0119 0150 0207 0331 0465 0562 0651

Keyword	Citation Number(s)
Shoe manufacturing	0173
Silica dusts	0079 0094 0121 0137 0149 0154 0158 0184 0204 0212 0224 0231 0238 0244 0273 0295 0326 0356 0393 0396 0468 0483 0485 0523 0623 0656 0685 0686 0736
Silicosis	0108 0121 0158 0224 0238 0295 0356 0468 0483 0656
Silver compounds	0085 0166 0605
Simulation methods	0007 0065 0137 0169 0274 0311 0313 0342 0580 0606
Skeletal system	0018 0073 0325 0335 0478 0586
Skeletal system disorders	0017 0282
Skin absorption	0022 0030 0039 0100 0280 0758
Skin cancer	0040 0596
Skin disorders	0032 0100 0231 0433 0596 0746 0761
Skin exposure	0039 0077 0100 0341 0472 0504 0727 0758 0761
Skin irritants	0011 0039 0051 0100 0382 0433 0504 0528 0596 0727 0733 0738 0746 0748 0752 0758 0759 0760
Slaughterhouses	0763
Sleep deprivation	0056 0207 0272 0331 0465
Slope stability	0375
Small businesses	0175 0217 0406 0498
Smoke	0089
Smoke control	0731
Smoke inhalation	0242 0337 0510 0698 0731
Smoking	0042 0215 0227 0266 0338 0609 0610 0658 0664 0728
Soap products	0100
Social and economic consequences [NORA]	0037 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0448
Sociological factors	0331 0373 0377
Solvents	0054 0059 0060 0128 0173 0208 0231 0287 0472 0624 0727 0758
Sound propagation	0551
Special populations at risk [NORA]	0051 0091 0119 0430 0432 0471 0493 0494 0495 0505 0506 0518 0566
Spirometry	0003 0004 0010 0140 0160 0300 0453 0510 0519 0530 0531 0626 0636 0659
Spontaneous combustion	0677
Spray painting	0204 0472
Sprays	0287
Stainless steel	0436 0679
Statistical analysis	0002 0021 0024 0025 0060 0074 0075 0092 0093 0101 0141 0194 0195 0227 0241 0246 0269 0271 0272 0281 0284 0307 0399 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0431 0448 0449 0450 0451 0463 0475 0494 0495 0518 0530 0535 0556 0559 0563 0569 0734 0735 0759 0760
Steelworkers	0002
Stomach cancer	0002 0616
Stone mines	0027 0338 0383 0396 0421 0441 0468 0499 0514 0515 0537 0554 0598
Stone processing	0156 0157
Stress	0052 0056 0268 0272 0283 0291 0292 0331 0373 0518
Styrenes	0684
Sugars	0012
Sulfates	0221
Sulfur compounds	0179
Surface mining	0014 0027 0192 0193 0257 0355 0365 0375 0387 0425 0441 0484 0578
Surface properties	0123 0211 0524
Surfactants	0154 0219 0298
Surgeons	0112 0729 0730 0731

Keyword	Citation Number(s)
Surgery	0112 0597 0731
Surveillance programs	0010 0044 0099 0101 0110 0194 0195 0226 0242 0251 0252 0264 0269 0281 0380 0381 0395 0402 0432 0613
Surveillance research methods [NORA]	0085
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Telephone operators	0651
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Textile workers	0556
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Tissue culture	0200 0225 0309 0335
Tobacco smoke	0516
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Toxic effects	0038 0063 0069 0083 0096 0097 0123 0145 0211 0254 0528 0560 0596 0604 0604 0623
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Training	0029 0080 0091 0112 0135 0161 0193 0290 0325 0335 0370 0373 0377 0394 0395 0398 0400 0402 0425 0493 0495 0496 0505 0527 0544 0635 0685 0687 0688 0689 0690 0692 0693 0701 0708 0713 0715
Transportation workers	0411 0607
Traumatic injuries	0028 0048 0049 0091 0095 0110 0111 0129 0156 0157 0175 0210 0242 0281 0380 0381 0401 0419 0443 0448 0449 0450 0451 0452 0457 0470 0473 0475 0496 0501 0534 0535 0569 0570 0585 0590 0593 0607 0613 0652 0687 0688 0689 0690 0692 0694 0695 0697 0698 0699 0700 0701 0702 0703 0707 0708 0712 0713 0718
Traumatic injuries [NORA]	0029 0095 0257 0387 0388 0393 0396 0402 0419 0421 0449 0450 0451 0452 0463 0473 0475 0484 0499 0500 0501 0502 0535 0536 0537 0546 0550 0555 0569 0570 0579 0580 0585 0591 0592 0607 0630 0642 0652 0677 0682
Truck drivers	0257
Tumor inhibition	0315
Tumorigenesis	0315 0368 0474 0676
Tumors	0058 0078 0146 0189 0200 0315 0368 0474 0676
Tunnel workers	0326 0346 0392 0771
Tunneling	0346 0347 0386 0392 0771
Underground miners	0014 0047 0108 0135 0261 0336 0393 0396 0438 0458 0466 0484 0527 0536 0537 0551 0591 0599 0636 0637 0642 0644 0646 0647 0659
Urinalysis	0016 0067 0128 0142 0287

Keyword	Citation Number(s)
Vapors	0066 0337 0516 0658 0664
Ventilation equipment	0349 0554 0757
Ventilation hoods	0743 0761
Ventilation systems	0099 0198 0203 0346 0349 0350 0353 0361 0383 0406 0454 0469 0515 0645 0677 0731 0733 0738 0743 0746 0748 0753 0754 0757 0761 0762 0764 0766
Vibration control	0082 0399 0417 0487 0539 0547 0552 0581 0582 0583 0655 0663 0667 0670 0672
Vibration disease	0201 0399 0487 0541 0547 0552 0559 0581 0583 0655 0663 0667 0669 0670 0672
Vibration exposure	0081 0082 0162 0201 0309 0310 0312 0399 0486 0487 0488 0541 0547 0552 0553 0559 0581 0582 0583 0584 0655 0663 0666 0667 0669 0670 0672
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X-ray fluorescence analysis	0132 0133 0526 0605
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Yeasts	0608
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Topic	Citation Number(s)
Disease and Injury	
Allergic and irritant dermatitis	0011 0039 0100 0434 0504 0597
Asthma and chronic obstructive pulmonary disease	0028 0033 0042 0114 0117 0138 0143 0144 0152 0153 0168 0227 0228 0259 0266 0279 0288 0322 0339 0341 0353 0354 0364 0366 0369 0510 0530 0542 0548 0560 0561 0568 0572 0608 0617 0634 0636 0653 0654 0664 0678
Fertility and pregnancy abnormalities	0016 0120 0213 0253 0254 0358 0429 0562 0595
Hearing loss	0005 0014 0027 0076 0208 0225 0422 0441 0444 0480 0544 0551 0637
Infectious diseases	0066 0112 0141 0174 0181 0571
Low back disorders	0302 0303 0378 0440 0662
Musculoskeletal disorders	0017 0018 0047 0073 0081 0082 0103 0107 0162 0163 0201 0309 0310 0311 0312 0313 0325 0335 0437 0478 0479 0482 0486 0487 0488 0489 0490 0541 0547 0552 0553 0583 0584 0586 0625 0638 0663 0666 0667 0669 0670 0672 0673
Traumatic injuries	0029 0095 0257 0387 0388 0393 0396 0402 0419 0421 0449 0450 0451 0452 0463 0473 0475 0484 0499 0500 0501 0502 0535 0536 0537 0546 0550 0555 0569 0570 0579 0580 0585 0591 0592 0607 0630 0642 0652 0677 0682
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NORA implementation	0056 0175 0237 0612
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Control technology and personal protective equipment	0023 0097 0113 0125 0127 0137 0177 0222 0249 0355 0361 0385 0397 0406 0418 0420 0438 0439 0458 0464 0468 0469 0509 0513 0565 0614 0618 0620 0629 0639 0640 0645 0648 0649 0650 0681 0684 0685 0686
Exposure assessment methods	0012 0022 0030 0031 0064 0067 0068 0069 0077 0083 0109 0116 0118 0130 0131 0179 0207 0223 0224 0262 0267 0277 0279 0282 0304 0306 0362 0367 0403 0442 0467 0476 0517 0523 0525 0588 0589 0598 0599 0631 0632 0641 0668
Intervention effectiveness research	0048 0049 0242 0373 0400 0593 0615
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