



NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS 2002

**DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health**



NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS

2002

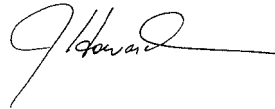
A Listing of NIOSH Publications for Calendar Year 2002

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

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FOREWORD

Renewed recognition of NIOSH and the resources we can apply effectively in emergency situations sharply highlights the strength and quality of the scientific information we provide in all areas of workplace safety and health. The information contained in this bibliography demonstrates the consistent commitment of NIOSH and its 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

PREFACE

This publication is a compilation of research and communication products from all NIOSH Divisions and Laboratories for calendar year 2002. Extensive indexing has been added to this year's compilation so that each citation can be located by author, keyword, or when applicable, priority area of the National Occupational Research Agenda (NORA). Some citation numbers are missing or followed by the letter "a" or "b" because of corrections in the final editing process.

Comments and suggestions regarding future issues of this document may be forwarded to the Office of Health Communications, NIOSH Office of the Director, Hubert H. Humphrey Building, Washington, DC 20201.

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I. JOURNAL ARTICLES

- *0002.** Al-Humadi NH, Siegel PD, Lewis DM, Barger MW, Ma JYC, Weissman DN, Ma JKH [2002]. Alteration of intracellular cysteine and glutathione levels in alveolar macrophages and lymphocytes by diesel exhaust particle exposure. *Environ Health Perspect* 110(4):349–353.
NORA: Work Environment and Workforce: Mixed Exposures
- *0003.** Al-Humadi NH, Siegel PD, Lewis DM, Barger MW, Ma JYC, Weissman DN, Ma JKH [2002]. The effect of diesel exhaust particles (DEP) and carbon black (CB) on thiol changes in pulmonary ovalbumin allergic sensitized brown Norway rats. *Exp Lung Res* 28(5):333–349.
NORA: Work Environment and Workforce: Mixed Exposures
- *0004.** Antonini JM, Roberts JR, Jernigan MR, Yang HM, Ma JYC, Clarke RW [2002]. Residual oil fly ash increases the susceptibility to infection and severely damages the lungs after pulmonary challenge with a bacterial pathogen. *Toxicol Sci* 70:110–119.
NORA: Work Environment and Workforce: Mixed Exposures
- *0005.** Ashley KE, Song R, Schlecht PC [2002]. Performance criteria and characteristics of field screening test methods. *Am Lab* 34(12):32–39.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0006.** Attfield M, Mannetje A, Steenland K, Checkoway H, Koskela R, Koponen M, Chen J, Hnizdo E, DeKlerk N, Dosemeci M [2002]. Development of quantitative exposure data for a pooled exposure-response analysis of 10 silica cohorts. *Am J Ind Med* 42:73–86.
NORA: Research Tools and Approaches: Surveillance Research Methods
- *0007.** Baron PA [2002]. Case studies: using a filter bypass leakage test for aerosol sampling cassettes. *Appl Occup Environ Hyg* 17(9):593–597.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0008.** Baron PA, Bennett JS [2002]. Calculation of leakage and particle loss in filter cassettes. *J Aerosol Sci Tech* 36(5):632–641.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0009.** Baron PA, Deye GJ, Aizenberg VA, Castranova V [2002]. Generation of size-selected fibers for a nose-only inhalation toxicity study. *Ann Occup Hyg* 46(Suppl 1):186–190.

I. Journal Articles

- *0010.** Baron PA, Khanina A, Martinez AB, Grinshpun SA [2002]. Investigation of filter bypass leakage and a test for aerosol sampling cassettes. *Aerosol Sci Tech* 36(8):857–865.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0011.** Bartley DL, Ogden T, Song R [2002]. Frequency distributions from birth, death, and creation processes. *Biosystems* 66(3):179–191.
- *0012.** Beeckman-Wagner LAF, Wang ML, Petsonk EL, Wagner GR [2002]. Meretricious effects of coal dust [letter to the editor]. *Am J Respir Crit Care Med* 165(4):553.
NORA: Work Environment and Workforce: Special Populations at Risk
- *0013.** Bell JL [2002]. Changes in logging injury rates associated with use of feller-bunchers in West Virginia. *J Saf Res* 33:463–471.
NORA: Research Tools and Approaches: Intervention Effectiveness Research; Disease and Injury: Traumatic Injuries
- *0014.** Bello D, Streicher RP, Liu YC, Sparer J, Youngs F, Woskie SR [2002]. Field comparison of impingers and treated filters for sampling of total aliphatic isocyanates with the MAP reagent. *Am Ind Hyg Assoc J* 63(6):790–796.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0015.** Bello D, Streicher RP, Woskie SR [2002]. Evaluation of the NIOSH draft method 5525 for determination of the total reactive isocyanate group (TRIG) for aliphatic isocyanates in autobody repair shops. *J Environ Monit* 4(3):351–360.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0016.** Beus MJ, Ruest M [2002]. New technology for hoist conveyance monitoring and analysis. *CIM Bulletin* 95(1065):78–83.
- *0017.** Biagini RE, Murphy DM, Sammons DL, Smith JP, Striley CAF, MacKenzie BA [2002]. Development of multiplexed fluorescence microbead covalent assays (FMCAs) for pesticide biomonitoring. *Bull Environ Contam Toxicol* 68(4):470–477.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0018.** Biddle EA, Hartley D [2002]. Fire and flame related events with multiple occupational injury fatalities in the United States, 1980–1995. *Inj Contr Saf Promot* 9(1):9–18.
- *0019.** Biddle EA, Marsh SM [2002]. Comparison of two fatal occupational injury surveillance systems in the United States. *J Saf Res* 33:337–354.
- *0020.** Birch ME [2002]. Analytical instrument performance criteria: occupational monitoring of particulate diesel exhaust by NIOSH method 5040. *Appl Occup Environ Hyg* 17(6):400–405.
NORA: Research Tools and Approaches: Exposure Assessment Methods

I. Journal Articles

***0021.** Boeniger M, Klingner T [2002]. In-use testing and interpretation of chemical resistant glove performance. *Appl Occup Environ Hyg* 17(5):368–378.

***0022.** Burton N [2002]. Evaluation of a narcotic evidence holding room. *Appl Occup Environ Hyg* 17(5):315–321.

***0023.** Cardarelli JJ, Spitz H, Rice CH, Buncher R, Elson H, Succop P [2002]. Significance of radiation exposure from work-related chest x-rays for epidemiological studies of radiation workers. *Am J Ind Med* 42:490–501.

NORA: Research Tools and Approaches: Exposure Assessment Methods

***0024.** Cardarelli JJ, Spitz HB, Rice C, Buncher CR, Elson H, Succop P, Daniels RD, Kubale T [2002]. Evaluation of work-related medical x-rays in epidemiological studies of nuclear workers. *Radiat Res* 158(6):807–808.

NORA: Research Tools and Approaches: Exposure Assessment Methods

***0025.** Carel R, Boffetta P, Kauppinen T, Teschke K, Anderson A, Jappinen P, Pearce N, Rix Andreassen B, Bergeret A, Coggon D, Persson B, Szadkowska-Stanczyk I, Kielkowski D, Henneberger P, Kishi R, Facchini LA, et al. [2002]. Exposure to asbestos and lung pleural cancer mortality among pulp and paper industry workers. *J Occup Environ Med* 44(6):579–584.

NORA: Research Tools and Approaches: Exposure Assessment Methods; Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

***0026.** Carreón T, Santos-Burgoa C, Baron S, Hernandez S [2002]. Occupational health in Mexico. State-of-the-Art Review, *Occup Med* 17(3):437–453.

***0027.** Castranova V, Frazer DG, Manley LK, Dey RD [2002]. Pulmonary alterations associated with inhalation of occupational and environmental irritants. *Int Immunopharmacol* 2(2–3):163–172.

NORA: Work Environment and Workforce: Mixed Exposures

***0028.** Castranova V, Porter D, Millecchia L, Ma JYC, Hubbs AF, Teass A [2002]. Effect of inhaled crystalline silica in a rat model: time course of pulmonary reactions. *Mol Cell Biochem* 234(1):177–184.

***0029.** CDC (Centers for Disease Control and Prevention) [2002]. Evaluation of occupational exposures to air contaminants at the World Trade Center disaster site—New York, September–October 2001. *MMWR* 51(21):453–456.

***0030.** CDC (Centers for Disease Control and Prevention) [2002]. Factors associated with pilot fatalities in work-related aircraft crashes—Alaska, 1990–1999. *MMWR* 51(16):347–349.

I. Journal Articles

- *0031.** CDC (Centers for Disease Control and Prevention) [2002]. Fixed obstructive lung disease among former workers at a microwave popcorn factory—Missouri, 2000–2002. *MMWR* 51(16):345–347.
NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
- *0032.** CDC (Centers for Disease Control and Prevention) [2002]. Occupational health guidelines for remediation workers at *Bacillus anthracis*-contaminated sites—United States, 2001–2002. *MMWR* 51(35):786–789.
- *0033.** CDC (Centers for Disease Control and Prevention) [2002]. Public health dispatch: update: cutaneous anthrax in a laboratory worker—Texas, 2002. *MMWR* 51(22):482.
- *0034.** CDC (Centers for Disease Control and Prevention) [2002]. Rashes among school children—14 states, 10/04/2001–02/27/2002. *MMWR* 51(08):161–164.
- *0035.** CDC (Centers for Disease Control and Prevention) [2002]. Respiratory illness among workers exposed to metalworking fluid contaminate with nontuberculous mycobacteria—Ohio, 2001. *MMWR* 51(16):349–352.
- *0036.** CDC (Centers for Disease Control and Prevention) [2002]. Surveillance summaries: adult blood lead epidemiology and surveillance—United States, 1998–2001. *MMWR* 51(11):1–10.
- *0037.** CDC (Centers for Disease Control and Prevention) [2002]. Suspected cutaneous anthrax in a laboratory worker—Texas, 2002. *MMWR* 51(13):279–281.
- *0038.** CDC (Centers for Disease Control and Prevention) [2002]. Use of respiratory protection among responders at the World Trade Center site—New York City, September 2001. *MMWR* 51(Special Issue):6–8.
- *0039.** CDC (Centers for Disease Control and Prevention) [2002]. Workers' Memorial Day—April 28, 2002. *MMWR* 51(16):345.
- *0040.** Chen F, Bower J, Leonard SS, Ding M, Lu Y, Rojanasakul Y, Kung H-F, Vallyathan V, Castranova V, Shi X [2002]. Protective roles of NF- κ B for chromium (VI)-induced cytotoxicity is revealed by expression of I κ B kinase- β mutant. *J Biol Chem* 277(5):3342–3349.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0041.** Chen F, Demers LM, Shi X [2002]. Upstream signal transduction of NF- κ B activation: current drug targets. *Inflamm Allergy I*:137–149.
NORA: Research Tools and Approaches: Cancer Research Methods

I. Journal Articles

- *0042.** Chen F, Shi X [2002]. Intracellular signal transduction of cells in response to carcinogenic metals. *Crit Rev Oncol Hematol* 42(1):105–121.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0043.** Chen F, Shi X [2002]. Signaling from toxic metals to NF- κ B and beyond: not just a matter of reactive oxygen species. *Environ Health Perspect* 110(Suppl 5):807–811.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0044.** Chun DTW, Chew V, Bartlett K, Gordon T, Jacobs RR, Larsson BM, Lewis DM, Liesivuori J, Michel O, Rylander R, Thorne PS, White EM, Gunn VC, Wurtz H [2002]. Second inter-laboratory study comparing endotoxin assay results from cotton dust. *Ann Agric Environ Med* 9(1):49–53.
- *0045.** Coffey CC, Lawrence RB, Zhuang Z, Campbell DL, Jensen PA, Myers WR [2002]. Comparison of five methods for fit-testing N95 filtering-facepiece respirators. *Appl Occup Environ Hyg* 17(10):723–730.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0046.** Cohen JI, Davenport DS, Stewart JA, Deitchman S, Hilliard JK, Chapman LE, B Virus Working Group. [2002]. Recommendations for prevention and therapy of persons exposed to B virus (Cercopithecine herpesvirus 1). *Clin Infect Dis* 35(10):1191–1203.
NORA: Disease and Injury: Infectious Diseases
- *0047.** Conti RS, Chasko LL [2002]. Thermal imaging cameras and their use in the mining industry. *Transactions of SME* 312:1–7.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0048.** Conway GA [2002]. Casting their lot upon the water: commercial fishing safety. *Lancet* 360:503–504.
- *0049.** Curwin B, Sanderson W, Reynolds S, Hein M, Alavanja M [2002]. Pesticide use and practices in an Iowa farm family pesticide exposure study. *J Agric Saf Health* 8(4):423–433.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0050.** Cutlip RG, Hsiao H, Garcia R, Becker E, Mayeux B [2002]. Optimal hand locations for safe scaffold-end-frame disassembly. *Appl Ergon* 33(4):349–355.
- *0051.** Daftarian HS, Lushniak BD, Reh CM, Lewis DM [2002]. Evaluation of self-reported skin problems among workers exposed to toluene diisocyanate (TDI) at a foam manufacturing plant.
J Occup Environ Med 44(12):1197.
NORA: Disease and Injury: Allergic and Irritant Dermatitis

I. Journal Articles

- *0052.** Davis KG, Marras WS, Heaney CA, Waters TR, Gupta P [2002]. The impact of mental processing and pacing on spine loading. *Spine* 27(23):2645–2653.
NORA: Disease and Injury: Musculoskeletal Disorders
- *0053.** Davis RR, Murphy WJ, Snawder JE, Striley CAF, Henderson D, Khan A, Krieg EF Jr. [2002]. Susceptibility to the ototoxic properties of toluene is species specific. *Hear Res* 166(1–2):24–32.
- *0054.** Davis RR, Sieber WK [2002]. Hearing protector use in noise-exposed workers: a retrospective look at 1983. *Am Ind Hyg Assoc J* 63(2):199–204.
NORA: Disease and Injury: Hearing Loss
- *0056.** Dillard SF, Hefflin B, Kaczmarek RG, Petsonk EL, Gross TP [2002]. Health effects associated with medical glove use. *AORN J* 76:88–96.
NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
- *0057.** Dillon C, Petersen M, Tanaka S [2002]. Self-reported hand and wrist arthritis and occupation: data from the U.S. national health interview survey—occupational health supplement. *Am J Ind Med* 42:318–327.
NORA: Disease and Injury: Musculoskeletal Disorders
- *0058.** Ding M, Chen F, Shi X, Yucesoy B, Mossman B, Vallyathan V [2002]. Diseases caused by silica: mechanisms of injury and disease development. *Int Immunopharmacol* 2(2–3):173–182.
- *0059.** Ding M, Li J, Leonard SS, Shi X, Costa M, Castranova V, Vallyathan V, Huang C [2002]. Differential role of hydrogen peroxide in UV-induced signal transduction. *Mol Cell Biochem* 234–235(1–2):81–90.
- *0060.** Ding M, Shi X [2002]. Molecular mechanisms of Cr(VI)-induced carcinogenesis. *Mol Cell Biochem* 234–235(1–2):293–300.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0061.** Dobroski H, Tuchman DP, Vinson RP, Timko RJ [2002]. Differential pressure response of 25-mm-diameter glass fiber filters challenged with coal and limestone dust mixtures. *Appl Occup Environ Hyg* 17(2):96–103.
- *0062.** Dong RG, Rakheja S, Smutz WP, Schopper A, Welcome D, Wu JZ [2002]. Effectiveness of a new method (TEAT) to assess vibration transmissibility of gloves. *Int J Ind Ergon* 30(1):33–48.
NORA: Disease and Injury: Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

I. Journal Articles

***0063.** Drake P, Krieg E, Teass A, Vallyathan V [2002]. Two assays for urinary N-Acetyl- β -D-glucosaminidase compared. *Clin Chem* 48(9):1604–1605.

***0064.** Driscoll T, Feyer AM, Stout N, Williamson A [2002]. Assessing the classification of work-relatedness of fatal incidents: a comparison between Australia, New Zealand, and the United States. *Inj Control Saf Promot* 9(1):32–39.

***0065.** Durkin ME, Yuan BZ, Thorgeirsson SS, Popescu NC [2002]. Gene structure, tissue expression, and linkage mapping of the mouse DLC-1 gene (Arhgap7). *Gene* 288(1–2):119–127.

***0066.** Dykeman R, Aguilar-Madrid G, Smith T, Juarez A, Piacitelli G, Hu H, Hernandez-Avila M [2002]. Lead exposure in Mexican radiator repair workers. *Am J Ind Med* 41:179–187.

***0067.** Earnest GS [2002]. A control technology evaluation of state-of-the-art perchloroethylene dry-cleaning machines. *Appl Occup Environ Hyg* 17(5):352–359.

NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

***0068.** Earnest GS, Dunn KH, Hall RM, McCleery RE, McCammon JB [2002]. An evaluation of an engineering control to prevent carbon monoxide poisonings of individuals on and around houseboats. *Am Ind Hyg Assoc J* 63(3):361–369.

NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

***0069.** Earnest GS, Ewers LM, Ruder AM, Petersen MR, Kovein RJ [2002]. An evaluation of retrofit engineering control interventions to reduce perchloroethylene exposures in commercial dry-cleaning shops. *Appl Occup Environ Hyg* 17(2):104–111.

NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

***0070.** Echt AS, Sieber WK [2002]. Case studies: control of silica exposure from hand tools in construction: grinding concrete. *Appl Occup Environ Hyg* 17(7):457–461.

NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

***0071.** Echt AS, Sieber WK, Jones A, Jones E [2002]. Case studies: control of silica exposure in construction: scabbling concrete. *Appl Occup Environ Hyg* 17(12):809–813.

NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

***0073.** Estill CF, Baron SL, Steege A [2002]. Research and dissemination needs for ergonomics in agriculture. *Public Health Rep* 117:440–445.

NORA: Disease and Injury: Traumatic Injuries; Musculoskeletal Disorders

I. Journal Articles

- *0074.** Estill CF, MacDonald LA [2002]. Ergonomic intervention: a case study in a mass production environment. *Appl Occup Environ Hyg* 17(8):521–527.
NORA: Disease and Injury: Musculoskeletal Disorders
- *0075.** Estill CF, Slavin TJ, Waters TR [2002]. Safety research: musculoskeletal disorders: a comparison of two national research agendas. *Prof Saf* 47(9):45–49.
NORA: Disease and Injury: Traumatic Injuries; Musculoskeletal Disorders
- *0076.** Estill CF, Watkins DS, Hall RM, O'Brien DM, Shulman SA [2002]. The impact of maintenance and design for ventilation systems. *Appl Occup Environ Hyg* 17:344–351.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0077.** Estill CF, Watkins DS, Shulman SA, Kurimo RW, Kovein RJ [2002]. Engineering controls for furniture strippers to meet the OSHA methylene chloride PEL. *Am Ind Hyg Assoc J* 63(3):326–333.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0078.** Estill CF, Watkins DS, Shulman SA, Kurimo RW, Kovein RJ [2002]. Engineering controls for furniture strippers to meet the OSHA methylene chloride PEL [reply to letter to the editor]. *Am Ind Hyg Assoc J* 63(6):676–677.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0079.** Etherton JR, Cutlip RG, Harris JR, Ronaghi M, Snyder KA, Means KH, Mucino V, Howard S [2002]. Dynamic performance of the mechanism of an automatically deployable ROPS. *J Agric Saf Health* 8(1):113–118.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Disease and Injury: Traumatic Injuries
- *0080.** Etherton JR, Harris JR, Ronaghi M, Snyder KA, Cutlip RG, Means KH, Mucino V, Howard S [2002]. Static load test performance of the structure of an automatically deployable ROPS. *J Agric Saf Health* 8(1):119–126.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Disease and Injury: Traumatic Injuries
- *0081.** Ewers LM, Ruder AM, Petersen MR, Earnest GS, Goldenhar LM [2002]. Effects of retrofit emission controls and work practices on perchloroethylene exposures in small dry-cleaning shops. *Appl Occup Environ Hyg* 17(2):112–120.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research
- *0082.** Feigley CE, Bennett JS, Khan J, Lee E [2002]. Performance of deterministic workplace exposure assessment models for various contaminant source, air inlet, and exhaust locations. *Am Ind Hyg Assoc J* 63(4):402–412.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment

I. Journal Articles

- *0083.** Feigley CE, Bennett JS, Lee E, Khan J [2002]. Improving the use of mixing factors for dilution ventilation design. *Appl Occup Environ Hyg* 17(5):333–343.
NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
- *0084.** Ferguson SA, Gaudes-MacLaren LL, Marras WS, Waters TR, Davis KG [2002]. Spinal loading when lifting from industrial storage bins. *Ergonomics* 45(6):399–414.
NORA: Disease and Injury: Musculoskeletal Disorders
- *0085.** Finkelman RB, Orem W, Castranova V, Tatu CA, Belkin HE, Zheng B, Lerch HE, Maharaj SV, Bates AL [2002]. Health impacts of coal and coal use: possible solutions. *Int J Coal Geology* 50:425–443.
- *0086.** Frasch HF [2002]. A random walk model of skin permeation. *Risk Anal* 22(2):265–276.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0087.** Frasch HF, Landsittel DP [2002]. Regarding the sources of data analyzed with quantitative structure-skin permeability relationship methods. *Eur J Pharm Sci* 15(5):399–403.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0088.** Galinsky TL, Waters TR, Malit B [2002]. Overexertion injuries in home health care workers and the need for ergonomics. *Home Health Care Services Quarterly* 20(3):57–73.
NORA: Disease and Injury: Musculoskeletal Disorders
- *0089.** Gallagher S, Marras WS, Davis KG, Kovacs K [2002]. Effects of posture on dynamic back loading during a cable lifting task. *Ergonomics* 45(5):380–398.
NORA: Disease and Injury: Low Back Disorders; Research Tools and Approaches: Intervention Effectiveness Research
- *0090.** Gao N, Ding M, Zheng JZ, Zhang Z, Leonard SS, Liu KJ, Shi X, Jiang BH [2002]. Vanadate-induced expression of hypoxia-inducible factor 1 α and vascular endothelial growth factor through phosphatidylinositol 3-kinase/Akt pathway and reactive oxygen species. *J Biol Chem* 277(35):31963–31971.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0091.** Gao N, Jiang BH, Leonard SS, Corum L, Zhang Z, Roberts JR, Antonini J, Zheng JZ, Flynn DC, Castranova V, Shi X [2002]. p38 signaling-mediated hypoxia-inducible factor 1 α and vascular endothelial growth factor induction by Cr(VI) in DU145 human prostate carcinoma cells. *J Biol Chem* 277(47):45041–45048.
NORA: Research Tools and Approaches: Cancer Research Methods
- *0093.** Gao N, Keane MJ, Ong T, Ye J, Miller WE, Wallace WE [2002]. Effects of phospholipid surfactant on apoptosis induction by respirable quartz and kaolin in NR8383 rat pulmonary macrophages. *Tox Appl Pharmac* 175:217–225.
NORA: Research Tools and Approaches: Risk Assessment Methods

I. Journal Articles

- *0094.** Gao P, Chen BT, Baron PA, Soderholm S [2002]. A numerical study of the performance of an aerosol sampler with a curved, blunt, multi-orificed inlet. *Aerosol Sci Tech* 36(5):540–553.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0095.** Gao P, Korley F, Martin J, Chen BT [2002]. Determination of unique microbial volatile organic compounds produced by five *Aspergillus* species commonly found in problem buildings. *Am Ind Hyg Assoc J* 63(2):135–140.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0096.** Gao P, Martin J [2002]. Volatile metabolites produced by three strains of *Stachybotrys chartarum* cultivated on rice and gypsum board. *Appl Occup and Environ Hyg* 17(6):430–436.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0097.** Ghanem M, Battelli L, Kashon M, Vallyathan V, Ma JYC, Barger M, Nath J, Castranova V, Hubbs AF [2002]. Coal dust is a modifier of pulmonary CYP1A1 induction in rats. *The Toxicologist* 66(1–S):19.
NORA: Work Environment and Workforce: Mixed Exposures
- *0098.** Glaser RA, Shulman S, Kurimo R, Piacitelli GM, Kent M [2002]. Data supporting a proposed American Society for Testing and Materials (ASTM) method for metalworking fluids Part 3: evaluation of a provisional ASTM method for metalworking fluids in a survey of metalworking facilities. *J Test Eval* 30(5):439–451.
- *0099.** Gomaa AE, Hu H, Bellinger D, Schwartz J, Tsaih SW, Gonzalez-Cossio T, Schnaas L, Aro A, Hernandez-Avila M [2002]. Maternal bone as independent risk factor for fetal neurotoxicity: a prospective study. *Pediatrics* 110(1):110–118.
NORA: Disease and Injury: Fertility and Pregnancy Abnormalities; Research Tools and Approaches: Exposure Assessment Methods
- *0100.** Gordon MN, Holcomb LA, Jantzen PT, DiCarlo G, Wilcock D, Boyett KW, Connor K, Melachrino J, O'Callaghan JP, Morgan D [2002]. Time course of the development of Alzheimer-like pathology in the doubly transgenic PS1+APP mouse. *Exp Neurol* 173(2):183–195.
- *0101.** Grajewski B, Cox C, Shrader SM, Murray WE, Edwards RM, Turner TW, Smith JM, Simon SD, Conover DL [2002]. The evidence that non-ionizing radiation alters men's hormone levels by W. James [reply to letter to the editor]. *J Occup Environ Med* 44(4):307.
NORA: Disease and Injury: Fertility and Pregnancy Abnormalities
- *0102.** Grajewski B, Waters MA, Whelan EA, Bloom TF [2002]. Radiation dose estimation for epidemiologic studies of flight attendants. *Am J Ind Med* 41:27–37.
NORA: Research Tools and Approaches: Exposure Assessment Methods

I. Journal Articles

- *0103.** Grote AA, Kennedy ER [2002]. Workplace monitoring for volatile organic compounds using thermal desorption-gas chromatography-mass spectrometry. *J Environ Monit* 4(5):679–684.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0104.** Hales T, Boal WL, Ross CS [2002]. Hepatitis C virus infection among public safety workers [letter to the editor]. *J Occup Environ Med* 44(3):221–223.
- *0105.** Hall RM, Heitbrink WA, Reed LD [2002]. Evaluation of a tractor cab using real-time aerosol counting instrumentation. *Appl Occup Environ Hyg* 17(1):47–54.
NORA: Research Tools and Approaches: Exposure Assessment Methods
- *0106.** Hard DL, Myers J, Gerberich S [2002]. Traumatic injuries in agriculture. *J Agric Saf Health* 8(1):51–65.
- *0107.** Harney JM [2002]. IH in the Wake of Terror [letter to the editor]. *The Synergist*. January.
- *0108.** Hauser R, Eisen EA, Pothier L, Lewis D, Bledsoe T, Christiani DC [2002]. Spirometric abnormalities associated with chronic bronchitis, asthma, and airway hyperresponsiveness among boilermaker construction workers. *Chest* 121(6):2052–2060.
NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury: Traumatic Injuries

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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities; Work Environment and Workforce: Special Populations at Risk

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NORA: Disease and Injury: Hearing Loss

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

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Work Environment and Workforce: Mixed Exposures; Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
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NORA: Research Tools and Approaches: Risk Assessment Methods
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NORA: Research Tools and Approaches: Risk Assessment Methods
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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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

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NORA: Research 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: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Cancer Research Methods
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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
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NORA: Research Tools and Approaches: Cancer Research Methods
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NORA: Work Environment and Workforce: Special Populations at Risk
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NORA: Research Tools and Approaches: Exposure Assessment Methods
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NORA: Research Tools and Approaches: Cancer Research Methods
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NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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

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NORA: Work Environment and Workforce: Indoor Environment

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NORA: Work Environment and Workforce: Indoor Environment

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NORA: Research Tools and Approaches: Risk Assessment Methods

***0191.** Modriansky M, Tyurina YY, Tyurin VA, Matsura T, Shvedova AA, Yalowich JC, Kagan VE [2002]. Anti-/pro-oxidant effects of phenolic compounds in cells: are colchicine metabolites chain-breaking antioxidants? *Toxicology* 177(1):105–117.

NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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NORA: Disease and Injury: Hearing Loss

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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

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

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

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NORA: Work Environment and Workforce: Special Populations at Risk

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NORA: Research Tools and Approaches: Risk Assessment Methods; Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease

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NORA: Research Tools and Approaches: Risk Assessment Methods

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NORA: Work Environment and Workforce: Special Populations at Risk
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NORA: Disease and Injury: Asthma and Chronic Obstructive Pulmonary Disease
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NORA: Research Tools and Approaches: Exposure Assessment Methods
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NORA: Research Tools and Approaches: Intervention Effectiveness Research
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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Disease and Injury: Traumatic Injuries

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Hearing Loss

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NORA: Disease and Injury: Hearing Loss

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Disease and Injury-Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research
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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Traumatic Injuries; Research Tools and Approaches: Intervention Effectiveness Research
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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Disease and Injury: Allergic and Irritant Dermatitis

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NORA: Work Environment and Workforce: Indoor Environment

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

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Disease and Injury: Hearing Loss

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NORA: Research Tools and Approaches: Risk Assessment Methods

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NORA: Research Tools and Approaches: Risk Assessment Methods

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NORA: Research Tools and Approaches: Risk Assessment Methods

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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NORA: Disease and Injury: Allergic and Irritant Dermatitis, Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Work Environment and Workforce: Mixed Exposures

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

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NORA: Research Tools and Approaches: Risk Assessment Methods
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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment; Intervention Effectiveness Research
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NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Research Tools and Approaches: Risk Assessment Methods

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

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

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Cancer Research Methods

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NORA: Research Tools and Approaches: Cancer Research Methods

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

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

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

II. BOOK CHAPTERS/PROCEEDINGS/ABSTRACTS/ TECHNICAL PAPERS/WEB

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

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

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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Work Environment and Workforce: Organization of Work

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NORA: Work Environment and Workforce: Organization of Work

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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

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

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NORA: Research Tools and Approaches: Exposure Assessment Methods
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NORA: Work Environment and Workforce: Mixed Exposures; Research Tools and Approaches: Exposure Assessment Methods
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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Work Environment and Workforce: Mixed Exposures
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NORA: Work Environment and Workforce: Indoor Environment
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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Disease and Injury: Musculoskeletal Disorders; Research Tools and Approaches: Control Technology and Personal Protective Equipment

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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Work Environment and Workforce: Mixed Exposures

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NORA: Work Environment and Workforce: Mixed Exposures

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

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

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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NORA: Research Tools and Approaches: Control Technology and Personal Protective Equipment
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NORA: Work Environment and Workforce: Indoor Environment

***0598.** NIOSH [2002]. Hazard evaluation and technical assistance report: Nassau Community College, Garden City, New York. Cincinnati, OH: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, NIOSH HETA Report No. 2000-0168-2871.

NORA: Work Environment and Workforce: Indoor Environment

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NORA: Work Environment and Workforce: Organization of Work
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NORA: Research Tools and Approaches: Surveillance Research Methods

***0616.** NIOSH [2002]. Electrical safety: safety and health for electrical trades student manual. Cincinnati, OH: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2002–123.
NORA: Work Environment and Workforce: Special Populations at Risk; Research Tools and Approaches: Intervention Effectiveness Research

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NORA: Research Tools and Approaches: Exposure Assessment Methods

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

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

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NORA: Disease and Injury: Fertility and Pregnancy Abnormalities

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V. Fatality Assessment and Control Evaluation Reports

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Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2001–16.

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***0671.** NIOSH [2002]. Fire fighter suffers fatal heart attack after returning home from fire— Iowa. Morgantown, WV: 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 Program Report No. F2001–30.

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VI. Fire Fighter Fatality Investigation and Prevention Reports

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***0684.** NIOSH [2002]. Fire fighter dies at kitchen fire—North Carolina. Morgantown, WV: 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 Program Report No. F2002–08.

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***0686.** NIOSH [2002]. Volunteer fire fighter dies after tanker truck is struck by freight train—Kentucky. Morgantown, WV: 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. F2002–10.

***0687.** NIOSH [2002]. Volunteer fire fighter killed and career chief injured during residential house fire—Tennessee. Morgantown, WV: 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. F2002–12.

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***0691.** NIOSH [2002]. Fire fighter dies during live fire training—North Carolina. Morgantown, WV: 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 Program Report No. F2002–19.

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VII. TECHNOLOGY NEWS

***0695.** NIOSH [2002]. Technology news 494. NIOSH releases new expert miner training video. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

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NORA: Research Tools and Approaches: Intervention Effectiveness Research

***0697.** NIOSH [2002]. Technology news 496. NIOSH releases a new computer-based training exercise called MERITS. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

***0698.** NIOSH [2002]. Technology news 497. You are my sunshine. NIOSH releases video on the Sunshine Mine fire. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

***0699.** NIOSH [2002]. Technology news 498. Multiple fire sensors for mine fire detection and nuisance discrimination. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NORA: Work Environment Workforce: Emerging Technologies

***0700.** NIOSH [2002]. Technology news 499. Using propeller fans to improve ventilation in large-entry stone mines. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

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

***0701.** NIOSH [2002]. Technology news 500. Using in-place stone stoppings to direct air in underground stone mines. Pittsburgh, PA: Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

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

VIII. KEYWORD INDEX

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Asphyxiation	*0655
Asthma	*0025 *0031 *0056 *0108 *0109 *0112 *0144 *0145 *0154 *0156 *0174 *0176 *0199 *0200 *0205 *0210 *0300 *0301 *0318 *0319 *0325 *0327 *0328 *0334 *0370 *0386 *0389 *0394 *0395 *0405 *0406 *0412 *0413 *0446 *0447 *0448 *0590 *0597 *0598 *0619 *0630
Asthma and Chronic Obstructive Pulmonary Disease [NORA]	*0025 *0031 *0056 *0109 *0112 *0144 *0145 *0154 *0156 *0174 *0199 *0200 *0205 *0210 *0300 *0301 *0318 *0319 *0325 *0327 *0328 *0334 *0370 *0386 *0389 *0394 *0395 *0405 *0406 *0412 *0413 *0446 *0447 *0448 *0619 *0630
Astrocyte	*0458
Atomic	*0380 *0517
Attacks	*0185 *0481 *0625
Audiometric	*0194
Auditory	*0123 *0279
Automobile	*0645
Automotive	*0477 *0590 *0591
Autorops	*0475
Bacillus Calmette-Guerin	*0238
Backbelts	*0553
Backhoe	*0651
Benzene	*0230
Benzidine	*0351
Beryllium	*0243 *0302 *0407 *0408 *0417 *0518
Bicycling	*0241
Bioengineering	*0326
Biological	*0185 *0400 *0605 *0625
Biomarker	*0134 *0519 *0549
Biomonitoring	*0017 *0303
Biosolids	*0631
Birth Defects	*0592
Bites	*0585
Bituminous	*0203
Bladder	*0351
Blasting	*0214 *0333 *0399 *0514
Blood	*0036 *0201 *0277 *0326 *0330 *0585
Bloodborne Pathogens	*0585
Boiler	*0108 *0290
Boilermaker	*0108
Bolters	*0396
Bolting	*0465 *0510 *0621
Bolts	*0466
Brain	*0126 *0127 *0305 *0486
1-Bromopropane	*0580 *0588
2-Bromopropane	*0580 *0588
Bronchiolitis	*0144 *0145 *0328 *0447

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Keyword	Citation Number(s)
Bronchitis	*0108
Burns	*0114
Burst	*0557
Butter	*0120 *0419 *0420
Cadmium	*0128 *0129 *0263 *0430 *0431 *0581
Calcium	*0143
Cancer	*0025 *0040 *0041 *0042 *0043 *0060 *0090 *0091 *0118 *0128 *0129 *0134 *0147 *0154 *0155 *0158 *0159 *0160 *0162 *0166 *0205 *0221 *0237 *0263 *0268 *0271 *0287 *0320 *0321 *0322 *0351 *0353 *0357 *0362 *0373 *0379a *0380 *0381 *0399 *0402 *0430 *0431 *0432 *0434 *0435 *0436 *0438 *0500 *0501 *0508 *0509 *0519 *0544 *0548a *0548b *0585 *0587 *0591
Cancer Research Methods [NORA]	*0040 *0041 *0042 *0043 *0060 *0090 *0091 *0118 *0128 *0129 *0134 *0155 *0158 *0159 *0160 *0162 *0166 *0221 *0263 *0320 *0321 *0322 *0351 *0362 *0402 *0430 *0431 *0434 *0435 *0436 *0500 *0501 *0519
Carbon Black	*0003
Carbon Monoxide	*0068 *0247 *0384
Carcinogen	*0042 *0060 *0254 *0402
Carcinoma	*0091
Carpenters	*0423
Cartilage	*0199
CBC	*0580
Chartbook	*0610a *0611 *0612 *0613 *0614
Childhood	*0454
Chloride	*0077 *0078
Chromium	*0040
Chromosomal	*0237 *0381
Chronic	*0025 *0031 *0056 *0108 *0109 *0112 *0126 *0144 *0145 *0154 *0156 *0174 *0199 *0200 *0205 *0210 *0300 *0301 *0302 *0318 *0319 *0325 *0327 *0328 *0334 *0370 *0386 *0389 *0394 *0395 *0405 *0406 *0412 *0413 *0446 *0447 *0448 *0619 *0630
Circular Variables	*0257
Cis-4-[18f]fluoro-l-proline	*0292
Cluster	*0592
Coal	*0012 *0061 *0085 *0097 *0137 *0161 *0164 *0203 *0204 *0296 *0343 *0355 *0359 *0404 *0441 *0465 *0468 *0502 *0505 *0511 *0544 *0548 *0556 *0560 *0567 *0615 *0638
Coating	*0133 *0433 *0499
Colorimetric	*0545
Concrete	*0070 *0071 *0163
Confined Space	*0309 *0595
Conjunctivitis	*0583
Construction	*0070 *0071 *0108 *0163 *0332 *0342 *0363 *0442 *0455 *0495 *0503 *0539 *0559 *0586 *0651 *0657
Continuous	*0247

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Keyword	Citation Number(s)
Control Technology and Personal Protective Equipment [NORA]	*0045 *0047 *0062 *0067 *0068 *0069 *0070 *0071 *0076 *0077 *0078 *0079 *0080 *0081 *0082 *0083 *0116 *0124 *0161 *0185 *0203 *0217 *0222 *0223 *0232 *0258 *0261 *0276 *0289 *0290 *0296 *0306 *0309 *0311 *0323 *0324 *0326 *0336 *0337 *0339 *0340 *0341 *0346 *0347 *0350 *0354 *0355 *0356 *0357 *0358 *0359 *0360 *0363 *0365 *0366 *0368 *0369 *0374 *0375 *0391 *0392 *0396 *0397 *0398 *0415 *0428 *0445 *0453 *0464 *0467 *0468 *0469 *0470 *0471 *0475 *0484 *0487 *0488 *0495 *0503 *0514 *0534 *0535 *0541 *0542 *0545 *0546 *0547 *0560 *0562 *0563 *0564 *0569 *0570 *0571 *0573 *0618 *0631 *0633 *0638 *0700 *0701
Copper	*0243 *0518
Core Body Temperature	*0593 *0594
Coremaking	*0587
Cornea	*0589
Cotton	*0044
Crushed	*0656 *0657 *0658 *0659
Cumene	*0250 *0251 *0587
Currency	*0135
Cutaneous	*0033 *0037
Cytochrome	*0168
Cytokine	*0121 *0216 *0315 *0584
Cytotoxicity	*0040 *0392a
D-glucosaminidase	*0063
Decontamination	*0379 *0581
Depression	*0578
Dermatitis	*0051 *0130 *0191 *0246 *0248 *0249 *0250 *0251 *0316 *0545 *0546
Dialkyldithiocarbamate	*0372
Diatomaceous	*0205
Diesel	*0002 *0003 *0020 *0164 *0165 *0167 *0232 *0312 *0390 *0398 *0459 *0473 *0477 *0506 *0565 *0633 *0703
Diisocyanate	*0051 *0176 *0587
Dimethylaminoethanol	*0589
Dimethylisopropanolamine	*0589
4,4'-Diphenylmethane	*0587
Disabilities	*0585
Disease and Injury [NORA]	*0013 *0025 *0031 *0046 *0051 *0052 *0054 *0056 *0057 *0062 *0073 *0074 *0075 *0079 *0080 *0084 *0088 *0089 *0099 *0101 *0109 *0112 *0119 *0121 *0123 *0130 *0144 *0145 *0151 *0152 *0154 *0156 *0174 *0191 *0192 *0193 *0194 *0195 *0196 *0197 *0199 *0200 *0205 *0210 *0217 *0218 *0219 *0220 *0222 *0223 *0225 *0226 *0238 *0239 *0240 *0241 *0246 *0248 *0249 *0250 *0251 *0261 *0279 *0288 *0289 *0299 *0300 *0301 *0303 *0306 *0316 *0318 *0319 *0325 *0326 *0327 *0328 *0334 *0335 *0358 *0363 *0370 *0371 *0375 *0383 *0386 *0389 *0391 *0394 *0395 *0405 *0406 *0412 *0413 *0415 *0421 *0422 *0428a *0429 *0446 *0447 *0448 *0456 *0475 *0495 *0522 *0529 *0545 *0546 *0547 *0553 *0562 *0563 *0564 *0619 *0630 *0632 *0639

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Keyword	Citation Number(s)
DMAE	*0589
DMIPA	*0589
DNA	*0160 *0288 *0500
Dopaminergic	*0126 *0127 *0265
Dosimeter	*0502
Dosimetry	*0148
Drill	*0286 *0355 *626a
Dry-cleaning	*0067 *0069 *0081
Drywall	*0363 *0495
Dust	*0012 *0044 *0061 *0097 *0133 *0136 *0137 *0163 *0164 *0203 *0229 *0355 *0360 *0368 *0369 *0396 *0432 *0433 *0437 *0441 *0479 *0498 *0502 *0504 *0548 *0548a
Dynamic Loading	*0306
Educational	*0272 *0457 *0696
Electrical Safety	*0616
Electroanalysis	*0277
Electroplating	*0592
Emergency	*0445 *0571 *0604 *0654
Emerging Technologies [NORA]	*0378 *0390 *0485 *0512 *0513 *0699
Endocrine	*0226
Endothelial	*0090 *0091
Endotoxin	*0044 *0229 *0313
Energy	*0375 *0380 *0428 *0450 *0517
Engineering	*0068 *0069 *0077 *0078 *0346 *0358 *0375 *0388 *0389 *0401 *0424 *0476 *0520 *0531 *0532 *0538 *0564 *0575 *0580
Engineers	*0326 *0333 *0383 *0475 *0477 *0514
Environmental	*0027 *0156 *0281 *0334 *0370 *0379 *0520 *0538 *0545 *0546 *0578 *0585 *0596
Epidemiologic	*0023 *0024 *0102 *0206 *0230 *0428a
Epidemiological	*0023 *0024
Epidemiology	*0036 *0207 *0300 *0553
Epidermal	*0251 *0255 *0321
Epithelium	*0120 *0384 *0385 *0444 *0561
Ergonomics	*0073 *0074 *0084 *0088 *0089 *0115 *0116 *0138 *0363 *0371 *0391 *0400 *0429 *0495 *0522 *0579
Estrogen	*0233 *0305
Exercise	*0559 *0661 *0672 *0675 *0697
Exhaust	*0002 *0003 *0020 *0082 *0167 *0232 *0290 *0312 *0390 *0459 *0506 *0565 *0581 *0703
Explosives	*0333 *0514
Exposure Assessment Methods [NORA]	*0005 *0007 *0008 *0010 *0014 *0015 *0017 *0020 *0023 *0024 *0025 *0049 *0086 *0087 *0094 *0095 *0096 *0099 *0102 *0103 *0105 *0113 *0133 *0137 *0150 *0164 *0175 *0177 *0178 *0179 *0180 *0181 *0183 *0184 *0198 *0211 *0236 *0243 *0245 *0247 *0259 *0260 *0274 *0275 *0277 *0292 *0303 *0332 *0338 *0361 *0387 *0388 *0392a *0399 *0407 *0408 *0409 *0410 *0414 *0416 *0417 *0432 *0433 *0437 *0438 *0440 *0441 *0443 *0450 *0451 *0452 *0456 *0472 *0473 *0477 *0499 *0502 *0518 *0524 *0526 *0548 *0548a *0548b *0572 *0617 *0633 *0703

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Keyword	Citation Number(s)
Exposure Limits	*0410
Exposure-response	*0006 *0174 *0175 *0180
Eye	*0234 *0423
Fall	*0342 *0474 *0503 *0532 *0597 *0646 *0648 *0666
Farm	*0049 *0153 *0647 *0696
Fatal	*0019 *0064 *0199 *0333 *0403 *0610a *0611
Fatalities	*0018 *0030 *0110
Fatality	*0110 *0343 *0623 *0635 *0644 *0645 *0646 *0647 *0648 *0649 *0650 *0651 *0652 *0653 *0654 *0655 *0656 *0657 *0658 *0659 *0660 *0661 *0662 *0663 *0664 *0665 *0666 *0667 *0668 *0669 *0670 *0671 *0672 *0673 *0674 *0675 *0676 *0677 *0678 *0679 *0680 *0681 *0682 *0683 *0684 *0685 *0686 *0687 *0688 *0689 *0690 *0691 *0692 *0693 *0694
Feller-bunchers	*0013
Female	*0126 *0303
Fertility and Pregnancy Abnormalities [NORA]	*0099 *0101 *0121 *0151 *0152 *0196 *0225 *0226 *0241 *0288 *0303 *0632
Fibroblasts	*0320
Fibrosis	*0278 *0292 *0294 *0551
Filter	*0007 *0008 *0010 *0014 *0045 *0061 *0339 *0340 *0341 *0365 *0366 *0428 *0438 *0453 *0470 *0471 *0472 *0473 *0487 *0488
Filtering-facepiece	*0045 *0365 *0453
Fire	*0018 *0114 *0165 *0378 *0390 *0605 *0606 *0623 *0635 *0660 *0661 *0662 *0663 *0664 *0665 *0666 *0667 *0668 *0669 *0670 *0671 *0672 *0673 *0673a *0674 *0675 *0676 *0677 *0678 *0679 *0680 *0681 *0682 *0683 *0684 *0685 *0686 *0687 *0688 *0689 *0690 *0691 *0692 *0693 *0694 *0698 *0699
Fire Fighter	*0606 *0623 *0635 *0660 *0661 *0662 *0663 *0664 *0665 *0666 *0667 *0668 *0669 *0670 *0671 *0672 *0673 *0673a *0674 *0675 *0676 *0677 *0678 *0679 *0680 *0681 *0682 *0683 *0684 *0685 *0686 *0687 *0688 *0689 *0690 *0691 *0692 *0693 *0694 *0694a
Fishing	*0048 *0637
Fit-test	*0045 *0350 *0453 *0484 *0570 *0571 *0573
Florists	*0327
Foam Fabrication	*0580
Forklift	*0656
Formaldehyde	*0587
Foundry	*0569 *0572
Frequency Distribution	*0011
Fuel	*0226 *0477 *0524 *0594 *0595
Fungal Contamination	*0598
Furniture	*0077 *0078
Gas	*0247 *0324 *0393 *0414 *0459 *0703
Gene	*0009 *0065 *0160 *0182 *0203 *0210 *0228 *0250 *0305 *0314 *0324 *0380 *0411 *0433 *0436 *0462 *0475 *0493 *0499 *0517 *0531
Genotoxic	*0433 *0459 *0568 *0703
Geomechanics	*0422

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Keyword	Citation Number(s)
Germicidal	*0124 *0276 *0583
Glass	*0061 *0581
Glove	*0021 *0056 *0062 *0139 *0211 *0222 *0261 *0379 *0546 *0585
Glutaraldehyde	*0545
Glutathione	*0002
Gold	*0081 *0120 *0248 *0325 *0389 *0412 *0419 *0420 *0476 *0498 *0531 *0549 *0595
Gratification	*0227
Grinding	*0070 *0181 *0299 *0324a
Ground	*0336 *0359 *0421 *0465 *0466 *0467 *0468 *0474 *0496 *0510 *0538 *0556 *0567 *0576
Gypsum	*0096
Hand	*0050 *0057 *0070 *0223 *0299 *0326 *0349 *0375 *0392 *0417a *0456 *0489 *0492 *0574 *0575 *0579 *0596
Headache	*0596
Health Promotion	*0287
Healthcare	*0370 *0597
Hearing	*0054 *0123 *0143 *0192 *0193 *0194 *0195 *0197 *0218 *0219 *0220 *0279 *0484 *0529 *0560
Hearing Loss [NORA]	*0054 *0123 *0143 *0192 *0193 *0194 *0195 *0197 *0218 *0219 *0220 *0279 *0529
Heat	*0593 *0594 *0595
Heavy Equipment	*0622a
Hematopoietic	*0230
Hepatic	*0524
Hepatitis	*0104 *0314
Hepatotoxicity	*0127
Hexamethylenetetramin	*0587
Hoist	*0016 *0645 *0655
Hormone	*0101 *0151 *0225
Horticultural	*0409
Hospital	*0188 *0256 *0504 *0599
Houseboat	*0068
Housing	*0586
Heating Ventilation and Air Conditioning (HVAC)	*0252 *0339 *0340 *0428 *0487 *0488 *0578
Hydraulics	*0336
Hydrocarbon	*0169 *0170 *0591
Hydrogen Peroxide	*0059 *0118 *0162
Hydroxyl	*0133
Hyperosmolar	*0385 *0561
Hypersensitivity	*0584 *0590
Hyperthyroidism	*0121
Hypertonic	*0384
Hypotonic	*0444
Immigration	*0583
Immunogenom	*0584
Immunology	*0460

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Keyword	Citation Number(s)
Immunotoxicology	*0319
Indoor Environment [NORA]	*0186 *0187 *0252 *0437 *0497 *0498 *0504 *0516 *0555 *0578 *0585 *0596 *0597 *0598
Induction	*0091 *0093 *0097 *0141 *0169 *0171 *0173 *0262 *0392a *0432 *0461 *0478 *0479 *0540
Infection	*0004 *0104 *0122 *0238 *0239 *0591 *0627
Infectious Diseases [NORA]	*0046 *0238 *0239 *0335 *0428a *0585 *0639
Inflammation	*0212 *0213 *0216 *0294 *0295 *0536 *0550 *0551 *0566
Inhalation Toxicity	*0009
Injection-molding	*0591
Injuries	*0013 *0018 *0019 *0025 *0031 *0046 *0051 *0052 *0054 *0056 *0057 *0058 *0062 *0073 *0074 *0075 *0079 *0080 *0084 *0088 *0089 *0099 *0101 *0106 *0109 *0112 *0119 *0121 *0122 *0123 *0130 *0144 *0145 *0151 *0152 *0154 *0156 *0172 *0174 *0191 *0192 *0193 *0194 *0195 *0196 *0197 *0199 *0200 *0205 *0206 *0210 *0217 *0218 *0219 *0220 *0222 *0223 *0225 *0226 *0238 *0239 *0240 *0241 *0246 *0248 *0249 *0250 *0251 *0261 *0273 *0279 *0288 *0289 *0298 *0299 *0300 *0301 *0303 *0306 *0316 *0318 *0319 *0325 *0326 *0327 *0328 *0334 *0335 *0342 *0349 *0358 *0363 *0367 *0370 *0371 *0375 *0383 *0386 *0389 *0391 *0394 *0395 *0403 *0405 *0406 *0412 *0413 *0415 *0421 *0422 *0423 *0425 *0428a *0429 *0442 *0446 *0447 *0448 *0454 *0456 *0457 *0458 *0475 *0478 *0495 *0522 *0529 *0530 *0536 *0545 *0546 *0547 *0553 *0562 *0563 *0564 *0609 *0610a *0612 *0619 *0630 *0632 *0639 *0652 *0661 *0663 *0665 *0669 *0678 *0679 *0687 *0688 *0689
Insecticide	*0279
Interferon	*0584
Interleukin	*0307 *0584
Intervention Effectiveness Research [NORA]	*0013 *0067 *0068 *0069 *0070 *0071 *0081 *0089 *0214 *0232 *0240 *0256 *0290 *0309 *0489 *0529 *0553 *0616 *0696
Ionizing	*0380 *0517
Irradiation	*0124 *0276
Irritation	*0577 *0587 *0596
Isocyanate	*0014 *0015 *0274
Isopropyl Bromide	*0580
Jet Fuel	*0524 *0595
Job Stress	*0119 *0189 *0331 *0486 *0489 *0490 *0578 *0585 *0604 *0640 *0641
Kaolin	*0093 *0392a *0432
Karyotyping	*0237
Keratinocytes	*0251
Kidney	*0270 *0524
Ladder	*0457 *0559
Laryngeal	*0379a
Laser	*0278 *0372a *0532
Latex	*0301 *0372

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Keyword	Citation Number(s)
Lead	*0036 *0066 *0123 *0201 *0275 *0377 *0537 *0581 *0582 *0586
Leukemia	*0253
Lift	*0084 *0089 *0649 *0658
Limestone	*0061 *0421
Line Handlers	*0392
Listeria	*0312 *0565
Liver	*0436 *0486
Livestock	*0153
Logging	*0013
Logistic Regression	*0149
Longwall	*0404 *0567
Low Back Disorders [NORA]	*0089 *0391 *0547 *0553
Lumbar	*0429
Lung	*0003 *0004 *0025 *0031 *0121 *0124 *0144 *0147 *0148 *0154 *0205 *0215 *0237 *0238 *0239 *0276 *0278 *0283 *0307 *0381 *0389 *0394 *0402 *0434 *0435 *0447 *0461 *0472 *0478 *0515 *0536 *0551 *0568 *0587
Lupus	*0208
Lymphocyte	*0002 *0238 *0239
Machinery	*0138 *0383 *0584
Macrophage	*0002 *0093 *0166 *0171 *0224 *0294 *0310 *0551
Magnetic Field	*0183
Manure	*0647
Materials-handling	*0530
Max Scorings	*0235
MDI	*0587
Mental Retardation	*0585
Mercury	*0581
Metabolite	*0096 *0151 *0191 *0316
Metal	*0035 *0042 *0043 *0098 *0133 *0150 *0248 *0249 *0323 *0324 *0332 *0360 *0376 *0433 *0450 *0451 *0452 *0590
Metallurgy	*0323 *0337 *0354 *0355 *0360 *0369 *0396 *0398 *0404 *0494 *0530 *0533 *0539 *0558 *0574 *0575
Metalworking	*0035 *0098 *0590
Methane	*0534
Methylene	*0077 *0078
Mice	*0140 *0143 *0248 *0249 *0250 *0265 *0295 *0492 *0525 *0550
Microbacterium	*0584
Microbial	*0095 *0505
Microorganisms	*0022 *0173
Microseismic	*0404
Microwave	*0031 *0144 *0145 *0346 *0447 *0448
Mild-steel	*0269
Miner	*0161 *0296 *0357 *0412 *0494 *0533 *0560 *0600 *0634 *0695

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Keyword	Citation Number(s)
Mining	*0047 *0137 *0142 *0234 *0240 *0333 *0336 *0337 *0343 *0354 *0355 *0359 *0360 *0367 *0369 *0376 *0377 *0378 *0382 *0390 *0396 *0397 *0398 *0404 *0421 *0422 *0440 *0441 *0445 *0465 *0466 *0467 *0468 *0474 *0485 *0494 *0496 *0502 *0505 *0510 *0511 *0512 *0513 *0530 *0532 *0533 *0535 *0537 *0538*0539 *0548 *0556 *0557 *0558 *0559 *0567 *0574 *0575 *0576 *0600 *0614 *0622 *0629 *0633 *0638 *0698 *0699 *0700 *0701
Mixed Exposures [NORA]	*0002 *0003 *0004 *0027 *0097 *0108 *0113 *0120 *0133 *0167 *0168 *0294 *0295 *0310 *0312 *0313 *0325 *0329 *0388 *0389 *0392a *0419 *0420 *0432 *0433 *0461 *0477 *0506 *0536 *0544 *0548a *0549 *0550 *0565 *0566 *0568 *0703
Modeling	*0180 *0317 *0424 *0520 *0523 *0562 *0563
Models	*0082 *0119 *0148 *0197 *0223 *0365 *0525
Mold	*0497 *0597
Monitoring	*0016 *0020 *0103 *0141 *0262 *0332 *0393 *0437 *0450 *0474
Monocytogenes	*0312 *0565
Mortality	*0025 *0153 *0154 *0174 *0179 *0230 *0269 *0270 *0272 *0526
Motion Editing	*0547
Motor Vehicle	*0683
Mower	*0650
Musculoskeletal Disorders [NORA]	*0052 *0057 *0062 *0073 *0074 *0075 *0084 *0088 *0223 *0261 *0299 *0306 *0326 *0358 *0371 *0375 *0400 *0429 *0456 *0562 *0563 *0564
Mutagen	*0155 *0435 *0436 *0477 *0500 *0568
Mycobacterium	*0590
N-propyl Bromide	*0580
National Occupational Research Agenda [NORA]	**see NORA index**
Nausea	*0596
Necrosis	*0120 *0166 *0171 *0176 *0298
Needlestick	*0122
Neon Signs	*0581
Neurobehavioral	*0588
Neuroendocrine	*0189
Neurotoxic	*0099 *0126 *0127 *0265 *0280 *0458 *0492
NHANES	*0413
NIOSH Methods	*0150 *0345
Nitric	*0215 *0352
Nitrosamines	*0591
Noise	*0054 *0143 *0192 *0193 *0194 *0195 *0218 *0219 *0220 *0279 *0288 *0582
Nonmetal	*0398
NORA	**see NORA index**
Nose	*0009 *0591 *0596
Nuclear	*0024 *0121 *0166 *0169
Numerical Methods	*0554
Obesity	*0264
Obliterans	*0144 *0145 *0328 *0447

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Keyword	Citation Number(s)
Occupational Health	*0026 *0032 *0192 *0244 *0297 *0394 *0457 *0464 *0503 *0559 *0560
Octylphenol	*0196
Oncogenic	*0129 *0155 *0430 *0431
Optical	*0339 *0340 *0532
Organic	*0095 *0103 *0167 *0289 *0319 *0459 *0471 *0546 *0703
Organization of Work [NORA]	*0330 *0331 *0489 *0490 *0610
Otorrinolaringol	*0123
Ototoxic	*0053 *0193
Ovalbumin	*0003 *0329
Overhead Powerlines	*0415
Oxidative	*0249 *0251 *0288
Oxide	*0215 *0352
Ozone	*0121 *0414 *0476 *0564a
Painter	*0281 *0586
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Terror	*0107 *0481
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Test Methods	*0005
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Thiol	*0003 *0329
Thoracic	*0178 *0328 *0395 *0405 *0406 *0414 *0447 *0518 *0552
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Toluene	*0051 *0053 *0176 *0587
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Youth	*0110

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Asthma and Chronic Obstructive Pulmonary Disease	*0025 *0031 *0056 *0109 *0112 *0144 *0145 *0154 *0156 *0174 *0199 *0200 *0205 *0210 *0300 *0301 *0318 *0319 *0325 *0327 *0328 *0334 *0370 *0386 *0389 *0394 *0395 *0405 *0406 *0412 *0413 *0446 *0447 *0448 *0619 *0630
Fertility and Pregnancy Abnormalities	*0099 *0101 *0121 *0151 *0152 *0196 *0225 *0226 *0241 *0288 *0303 *0632
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Infectious Diseases	*0046 *0238 *0239 *0335 *0428a *0585 *0639
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Traumatic Injuries	*0013 *0073 *0075 *0079 *0080 *0106 *0119 *0217 *0240 *0363 *0383 *0415 *0421 *0422 *0475 *0495 *0522
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Exposure Assessment Methods	*0005 *0007 *0008 *0010 *0014 *0015 *0017 *0020 *0023 *0024 *0025 *0049 *0086 *0087 *0094 *0095 *0096 *0099 *0102 *0103 *0105 *0113 *0133 *0137 *0150 *0164 *0175 *0177 *0178 *0179 *0180 *0181 *0183 *0184 *0198 *0211 *0236 *0243 *0245 *0247 *0259 *0260 *0274 *0275 *0277 *0292 *0303 *0332 *0338 *0361 *0387 *0388 *0392a *0399 *0407 *0408 *0409 *0410 *0414 *0416 *0417 *0432 *0433 *0437 *0438 *0440 *0441 *0443 *0450 *0451 *0452 *0456 *0472 *0473 *0477 *0499 *0502 *0518 *0524 *0526 *0548 *0548a *0548b *0572 *0617 *0633 *0703
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