

NIOSH Bibliography of Communication and Research Products 2009



Health Hazard Evaluation Reports

BOOK CHAPTERS

POSTERS

Fatality Assessment and Control Evaluation Reports

NIOSH Bibliography of Communication and Research Products 2009

ALERTS
JOURNAL ARTICLES

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ABSTRACTS

CONTROL TECHNOLOGY REPORTS



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



NIOSH

NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS

2009

A Listing of NIOSH Publications for Calendar Year 2009

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

April 2010

FOREWORD

We strive for excellence in our scientific endeavors, and in the publications of our work. This bibliography is our effort to provide the best scientific information possible to maintain and improve safety and health at work. I believe that this bibliography reflects and reinforces the NIOSH values of relevance, quality, and impact, and 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 "John Howard".

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

CONTENTS

I.	Journal Articles.....	1
II.	Book Chapters.....	33
III.	NIOSH Numbered Publications	35
IV.	Abstracts/Proceedings	47
V.	Control Technology Reports.....	61
VI.	Fatality Assessment and Control Evaluation Reports.....	63
VII.	Fire Fighter Fatality Investigation and Prevention Reports.....	65
VIII.	Health Hazard Evaluation Reports.....	73
IX.	Author Index	77
X.	Keyword Index	103
XI.	National Occupational Research Agenda (NORA) Index.....	127

I. JOURNAL ARTICLES

0001. Abaza AA, Day JB, Reynolds JS, Mahmoud AM, Goldsmith WT, McKinney WG, Petsonk EL, Frazer DG [2009]. Classification of voluntary cough sound and airflow patterns for detecting abnormal pulmonary function. *Cough* 5:8.

NORA: Manufacturing

0002. Alarcon WA, Roscoe RJ, Calvert GM, Graydon JR [2009]. Adult blood lead epidemiology and surveillance—United States, 2005–2007. *MMWR* 58(14):365–369.

NORA: Manufacturing

0003. Anderson SE, Brown KK, Butterworth LF, Fedorowicz A, Jackson LG, Frasch HF, Beezhold D, Munson AE, Meade BJ [2009]. Evaluation of irritancy and sensitization potential of metalworking fluid mixtures and components. *J Immunotoxicol* 6(1):19–29.

NORA: Construction: Manufacturing

0004. Antonini JM, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Frazer DG [2009]. Short-term inhalation exposure to mild steel welding fume had no effect on lung inflammation and injury but did alter defense responses to bacteria in rats. *Inhal Toxicol* 21(3):182–192.

NORA: Construction: Manufacturing

0005. Antonini JM, Sriram K, Benkovic SA, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Jefferson AM, Billig BK, Felton CM, Hammer MA, Ma F, Frazer DG, O'Callaghan JP, Miller DB [2009]. Mild steel welding fume causes manganese accumulation and subtle neuroinflammatory changes but not overt neuronal damage in discrete brain regions of rats after short-term inhalation exposure. *Neurotoxicology* 30(6):915–925.

NORA: Construction: Manufacturing

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NORA: Manufacturing

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0009. Ashley K, Braybrooke G, Jahn SD, Brisson MJ, White KT [2009]. Analytical performance criteria: standardized surface dust sampling methods for metals, with emphasis on beryllium. *J Occup Environ Hyg* 6(12):D97–D100.

I. Journal Articles

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- 0011.** Ashley K, McCawley M [2009]. Analytical performance criteria: beryllium research needs. *J Occup Environ Hyg* 6(12):D92–D96.
- 0012.** Ashley KE, Ekechukwu AA [2009]. Proceedings of the 3rd international symposium on beryllium particulates and their detection. *J Occup Environ Hyg* 6(12):D89–D91.
- 0013.** Attfield MD, Bang KM, Petsonk EL, Schleiff PL, Mazurek JM [2009]. Trends in pneumoconiosis mortality and morbidity for the United States, 1968–2005, and relationship with indicators of extent of exposure. *J Phys: Conf Ser* 151(1):012051.
NORA: Healthcare and Social Assistance
- 0014.** Ayaz FA, Torun H, Glew RH, Bak ZD, Chuang LT, Presley JM, Andrews R [2009]. Nutrient content of carob pod (*Ceratonia siliqua* L.) flour prepared commercially and domestically. *Plant Foods Hum Nutr* 64(4):286–292.
- 0015.** Baan R, Grosse Y, Straif K, Secretan B, El Ghissassi F, Bouvard V, Benbrahim-Tallaa L, Guha N, Freeman C, Galichet L, Cogliano V, WHO International Agency for Research on Cancer Monograph Working Group [2009]. A review of human carcinogens—Part F: chemical agents and related occupations. *Lancet Oncol* 10(12):1143–1144.
- 0016.** Bang KM, Mazurek JM, Storey E, Attfield MD, Schleiff PL, Wood JM, Wassell JT [2009]. Malignant mesothelioma mortality—United States, 1999–2005. *JAMA* 302(1):25–26.
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NORA: Manufacturing: Services
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NORA: Healthcare and Social Assistance
- 0021.** Baron S, Liebman AK, Ruiz V, Steege AL [2009]. Shelley Davis: public health advocate at the service of the farmworker. *Am J Publ Health* 99(S3):S505–S507.

- 0022.** Baron S, McPhaul K, Phillips S, Gershon R, Lipscomb J [2009]. Protecting home health care workers: a challenge to pandemic influenza preparedness planning. *Am J Publ Health* 99(S2):S301–S307.
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- 0025.** Bartels JR, Gallagher S, Ambrose DH [2009]. Continuous mining: a pilot study of the role of visual attention locations and work position in underground coal mines. *Prof Saf* 54(8):28–35.
- 0026.** Bateson T, Kopylev L, Sullivan P, Cooper G, Vinukoor L, De Voney D [2009]. Evaluation of alternative exposure metrics for assessing mortality risk from lung cancer and mesothelioma among an occupational cohort exposed to amphibole asbestos from vermiculite mining operations in Libby, Montana. *Epidemiology* 20(S6):S78–S79.
- 0027.** Bauer ER, Kohler JL [2009]. Update on refuge alternatives: research, recommendations, and underground deployment. *Min Eng* 61(12):51–57.
NORA: Mining
- 0028.** Bealko SB [2009]. Mining haul truck cab noise: an evaluation of three acoustical environments. *Min Eng* 61(10):36–42.
NORA: Mining
- 0029.** Benkovic SA, O'Callaghan JP, Miller DB [2009]. Protracted exposure to supraphysiological levels of corticosterone does not cause neuronal loss or damage and protects against kainic acid-induced neurotoxicity in the hippocampus of C57BL/6J mice. *Neurotoxicology* 30(6):965–976.
- 0030.** Bennett JS [2009]. A systems approach to the design of safe-rooms for shelter-in-place. *Build Simul* 2(1):41–51.
NORA: Manufacturing: Transportation, Warehousing and Utilities
- 0031.** Bienek DR, Loomis LJ, Biagini RE [2009]. Commentary: the anthrax vaccine: no new tricks for an old dog. *Hum Vaccin* 5(3):184–189.
NORA: Healthcare and Social Assistance: Manufacturing
- 0032.** Blachere FM, Lindsley WG, Pearce TA, Anderson SE, Fisher M, Khakoo R, Meade BJ, Lander O, Davis S, Thewlis RE, Celik I, Chen BT, Beezhold DH [2009]. Measurement of airborne influenza virus in a hospital emergency department. *Clin Infect Dis* 48(4):438–440.
- 0033.** Borm P, Castranova V [2009]. Toxicology of nanomaterials: permanent interactive learning. *Part Fibre Toxicol* 6:28.
NORA: Manufacturing

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NORA: Agriculture, Forestry and Fishing: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Construction

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NORA: Manufacturing

0041. Cecala A, Organiscak J [2009]. Clearing the air: unidirectional filtration/pressurization system protects equipment operators from dust exposure. *Rock Prod* 112(5):18–21.

NORA: Mining

0042. Chang MH, Lindegren ML, Butler MA, Chanock SJ, Dowling NF, Gallagher M, Moonesinghe R, Moore CA, Ned RM, Reichler MR, Sanders CL, Welch R, Yesupriya A, Khoury MJ [2009]. Prevalence in the United States of selected candidate gene variants. *Am J Epidemiol* 169(1):54–66.

NORA: Manufacturing

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NORA: Manufacturing: Mining

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NORA: Manufacturing: Mining

0045. Charles LE, Loomis D, Demissie Z [2009]. Occupational hazards experienced by cleaning workers and janitors: a review of the epidemiologic literature. *Work* 34(1):105–116.

0046. Cheever KL, Marlow KL, B'Hymer C, Hanley KW, Lynch DW [2009]. Development of an HPLC—MS procedure for the quantification of N-acetyl-S-(n-propyl)-L-cysteine, the major urinary metabolite of 1-bromopropane in human urine. *J Chromatogr B* 877(8–9):827–832.

NORA: Services: Healthcare and Social Assistance

0047. Chen F, Castranova V [2009]. Beyond apoptosis of JNK1 in liver cancer. *Cell Cycle* 8(8):1145–1147.

NORA: Manufacturing: Mining

0048. Chen F, Li S, Castranova V [2009]. Signature genes for both hepatoblastoma and hepatocellular carcinoma. *Eur J Gastroenterol Hepatol* 21(10):1220–1222.

NORA: Manufacturing: Mining

0049. Chen G, Bower KA, Xu M, Ding M, Shi XL, Ke Z-J, Luo J [2009]. Cyanidin-3-glucoside reverses ethanol-induced inhibition of neurite outgrowth: role of glycogen synthase kinase 3 beta. *Neurotox Res* 15(4):321–331.

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NORA: Transportation, Warehousing and Utilities

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0052. Chipinda I, Anderson SE, Butterworth LF, Beezhold D, Siegel PD [2009]. Increased cell proliferation in spleen and lymph nodes peripheral to contact allergen application site. *Toxicology* 257(3):113–116.

NORA: Services

0053. Chronister T, Oxnard PD, Casteel C, Peek-Asa C, Amandus H, Hartley D [2009]. Robbery and violence prevention in small retail businesses. *Police Chief* LXXVI(10):36–38, 40.

NORA: Services: Transportation, Warehousing and Utilities

0054. Cleveland BM, Leonard SS, Klandorf H, Blemings KP [2009]. Urate oxidase knockdown decreases oxidative stress in a murine hepatic cell line. *Oxidat Med Cell Longev* 2(2):93–98.

NORA: Manufacturing

0055. Coffey C [2009]. Response times in organic vapor instruments authors' reply. *J Occup Environ Hyg* 6(6):D26.

0056. Coffey CC, Hudnall JB, Martin SB Jr. [2009]. Improving the environmental controls at a homeless shelter to assist in reducing the probability of airborne transmission of *Mycobacterium tuberculosis*: a case study. *Indoor and Built Environment* 18(2):168–182.

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- 0060.** Cox-Ganser JM, Rao CY, Park J-H, Schumpert JC, Kreiss K [2009]. Asthma and respiratory symptoms in hospital workers related to dampness and biological contaminants. *Indoor Air* 19(4):280–290.
- 0061.** Cummings KJ, Smith TS, Shogren ES, Khakoo R, Nanda S, Bunner L, Smithmyer A, Soccorsi D, Kashon ML, Mazurek GH, Friedman LN, Weissman DN [2009]. Prospective comparison of tuberculin skin test and QuantiFERON-TB Gold In-Tube assay for the detection of latent tuberculosis infection among healthcare workers in a low-incidence setting. *Infect Control Hosp Epidemiol* 30(11):1123–1126.
- 0062.** Cummings KJ, Stefaniak AB, Virji MA, Kreiss K [2009]. A reconsideration of acute beryllium disease. *Environ Health Perspect* 117(8):1250–1256.
- 0063.** Curran CP, Park RM, Ho SM, Haynes EN [2009]. Incorporating genetics and genomics in risk assessment for inhaled manganese: from data to policy. *Neurotoxicology* 30(5):754–760.
NORA: Construction
- 0064.** Curwin BD, Hein MJ, Barr DB, Striley C [2009]. Comparison of immunoassay and HPLC-MS/MS used to measure urinary metabolites of atrazine, metolachlor, and chlorpyrifos from farmers and non-farmers in Iowa. *J Expo Sci Environ Epidemiol* 20(2):205–212.
NORA: Agriculture, Forestry and Fishing
- 0065.** Cutlip RG, Baker BA, Hollander M, Ensey J [2009]. Injury and adaptive mechanisms in skeletal muscle. *J Electromyogr Kinesiol* 19(3):358–372.
- 0066.** Dabkowski ER, Williamson CL, Bukowski VC, Chapman RS, Leonard SS, Peer CJ, Callery PS, Hollander JM [2009]. Diabetic cardiomyopathy-associated dysfunction in spatially distinct mitochondrial subpopulations. *Am J Physiol Heart Circ Physiol* 296(2):H359–H369.
NORA: Manufacturing
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- 0068.** de Castro AB, Cabrera SL, Gee GC, Fujishiro K, Tagalog EA [2009]. Occupational health and safety issues among nurses in the Philippines. *AAOHN J* 57(4):149–157.
NORA: Manufacturing

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NORA: Healthcare and Social Assistance: Services

0070. Ding M, Kisin ER, Zhao J, Bowman L, Lu Y, Jiang B, Leonard S, Vallyathan V, Castranova V, Murray AR, Fadeel B, Shvedova AA [2009]. Size-dependent effects of tungsten carbide—cobalt particles on oxygen radical production and activation of cell signaling pathways in murine epidermal cells. *Toxicol Appl Pharmacol* 241(3):260–268.

NORA: Manufacturing

0071. Donaldson K, Borm PJA, Castranova V, Gulumian M [2009]. The limits of testing particle-mediated oxidative stress *in vitro* in predicting diverse pathologies; relevance for testing of nanoparticles. *Part Fibre Toxicol* 6:13.

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NORA: Construction

0073. Doney B, Greskovich M, Groce D, Syamlal G, Bang KM, Mazurek JM [2009]. Safety management respiratory protection—is your program effective? *Prof Saf* 54(5):32–35.

NORA: Construction

0074. Doney B, Greskovich M, Groce D, Syamlal G, Bang KM, Oke C, Mazurek J [2009]. Improving respiratory protection programs in healthcare to reduce and control infection. *Infect Control Today* 13(7):18, 21–22.

NORA: Construction

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0076. Dong RG, Welcome DE, McDowell TW, Wu JZ [2009]. Methods for deriving a representative biodynamic response of the hand-arm system to vibration. *J Sound Vib* 325 (4–5):1047–1061.

NORA: Construction

0077. dos Santos Antão VC, Pinheiro GA, Wassell JT [2009]. Asbestosis mortality in the USA: facts and predictions. *Occup Environ Med* 66(5):335–338.

0078. Dubaniewicz TH Jr. [2009]. From Scotia to Brookwood, fatal US underground coal mine explosions ignited in intake air courses. *J Loss Prev Process Ind* 22(1):52–58.

NORA: Mining

0079. Dunning K, LeMasters GK [2009]. Optimum survey methods when interviewing employed women. *Am J Ind Med* 52(2):105–112.

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- 0080.** Ekechukwu A, Hendricks W, White KT, Liabastre A, Archuleta M, Hoover MD [2009]. Validation of analytical methods and instrumentation for beryllium measurement: review and summary of available guides, procedures, and protocols. *J Occup Environ Hyg* 6(12):766–774.
- 0081.** Ensey JS, Hollander MS, Wu JZ, Kashon ML, Baker BB, Cutlip RG [2009]. Response of tibialis anterior tendon to a chronic exposure of stretch-shortening cycles: age effects. *Biomed Eng Online* 8:12.
- 0082.** Erdely A, Hulderman T, Salmen R, Liston A, Zeidler-Erdely PC, Schwegler-Berry D, Castranova V, Koyama S, Kim YA, Endo M, Simeonova PP [2009]. Cross-talk between lung and systemic circulation during carbon nanotube respiratory exposure. Potential biomarkers. *Nano Lett* 9(1):36–43.
- 0083.** Estill CF, Baron PA, Beard JK, Hein MJ, Larsen LD, Rose L, Schaefer FW, Noble-Wang J, Hodges L, Lindquist HDA, Deye GJ, Arduino MJ [2009]. Recovery efficiency and limit of detection of aerosolized *bacillus anthracis* Sterne from environmental surface samples. *Appl Environ Microbiol* 75(13):4297–4306.
NORA: Manufacturing
- 0084.** Fernandez ME, Bartholomew LK, Alterman T [2009]. Planning a multilevel intervention to prevent hearing loss among farmworkers and managers: a systematic approach. *J Agric Saf Health* 15(1):49–74.
NORA: Agriculture, Forestry and Fishing
- 0085.** Fisher E, Rengasamy S, Viscusi D, Vo E, Shaffer R [2009]. Development of a test system to apply virus-containing particles to filtering facepiece respirators for the evaluation of decontamination procedures. *Appl Environ Microbiol* 75(6):1500–1507.
NORA: Healthcare and Social Assistance
- 0086.** Forester CD, Wells JR [2009]. Yields of carbonyl products from gas-phase reactions of fragrance compounds with OH radical and ozone. *Environ Sci Technol* 43(10):3561–3568.
NORA: Services
- 0087.** Franzblau A, Kazerooni EA, Sen A, Goodsitt MM, Lee SY, Rosenman KD, Lockey JE, Meyer CA, Gillespie BW, Petsonk EL, Wang ML [2009]. Comparison of digital radiographs with film radiographs for the classification of pneumoconiosis. *Acad Radiol* 16(6):669–677.
- 0088.** Frasch HF, Barbero AM [2009]. A paired comparison between human skin and hairless guinea pig skin *in vitro* permeability and lag time measurements for 6 industrial chemicals. *Cutan Ocul Toxicol* 28(3):107–113.
NORA: Manufacturing: Services
- 0089.** Fuente A, Slade MD, Taylor T, Morata TC, Keith RW, Sparer J, Rabinowitz PM [2009]. Peripheral and central auditory dysfunction induced by occupational exposure to organic solvents. *J Occup Environ Med* 51(10):1202–1211.
- 0090.** Fujishiro K [2009]. Is perceived racial privilege associated with health? Findings from the Behavioral Risk Factor Surveillance System. *Soc Sci Med* 68(5):840–844.

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NORA: Mining

0092. Gallagher S, Moore S, Dempsey PG [2009]. An analysis of injury claims from low-seam coal mines. *J Saf Res* 40(3):233–237.

NORA: Mining

0093. Gao P, Weise T, Tomasovic B [2009]. Development of a computer program for permeation testing data analysis. *J Occup Environ Hyg* 6(6):363–373.

0094. Ghanem MM, Battelli LA, Law BF, Castranova V, Kashon ML, Nath J, Hubbs AF [2009]. Coal dust alters β-naphthoflavone-induced aryl hydrocarbon receptor nuclear translocation in alveolar type II cells. Part Fibre Toxicol 6:21.

NORA: Manufacturing

0095. Goldcamp MJ, Goldcamp DM, Ashley K, Fernback JE, Agrawal A, Millson M, Marlow D, Harrison K [2009]. Extraction of beryllium from refractory beryllium oxide with dilute ammonium bifluoride and determination by fluorescence: a multiparameter performance evaluation. *J Occup Environ Hyg* 6(12):735–744.

0096. Gong F, Baron S, Stock L, Ayala L [2009]. Formative research in occupational health and safety intervention for diverse, underserved worker populations: a homecare worker intervention project. *Public Health Rep* 124(Suppl 1):84–89.

NORA: Healthcare and Social Assistance

0097. Gonzalez CM, Howe CM, Waters TR, Nelson A [2009]. Recommendations for turning patients with orthopaedic impairments. *Orthop Nurs* 28(2)(Suppl S):S9–S12.

0098. Gonzalez CM, Howe CM, Waters TR, Nelson A, Hughes N [2009]. Recommendations for vertical transfer of a postoperative total hip replacement patient (bed to chair, chair to toilet, chair to chair, or car to chair). *Orthop Nurs* 28(2)(Suppl S):S13–S17.

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NORA: Mining

0100. Grau RH III, Krog R [2009]. Ventilating large opening mines. *J Mine Vent Soc S Afr* 62(1):8–14.

0101. Green BJ, Tovey ER, Beezhold DH, Perzanowski MS, Acosta LM, Divjan AI, Chew GL [2009]. Surveillance of fungal allergic sensitization using the fluorescent halogen immunoassay. *J Med Mycol* 19(4):253–261.

NORA: Services

0102. Grzywacz JG, Alterman T, Muntaner C, Gabbard S, Nakamoto J, Carroll DJ [2009]. Measuring job characteristics and mental health among Latino farmworkers: results from cognitive testing. *J Immigr Minor Health* 11(2):131–138.

NORA: Agriculture, Forestry and Fishing

I. Journal Articles

0103. Gwinn MR, Leonard SS, Sargent LM, Lowry DT, McKinstry K, Meighan T, Reynolds SH, Kashon M, Castranova V, Vallyathan V [2009]. The role of p53 in silica-induced cellular and molecular responses associated with carcinogenesis. *J Toxicol Environ Health, A* 72(23):1509–1519.

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0105. Ham JE, Wells JR [2009]. Surface chemistry of dihydromyrcenol (2,6-dimethyl-7-octen-2-ol) with ozone on silanized glass, glass, and vinyl flooring tiles. *Atmos Environ* 43(26):4023–4032.

NORA: Services

0106. Hamilton RF Jr., Wu N, Porter D, Buford M, Wolfarth M, Holian A [2009]. Particle length-dependent titanium dioxide nanomaterials toxicity and bioactivity. Part Fibre Toxicol 6:35.

NORA: Manufacturing

0107. Hanley KW, Petersen MR, Cheever KL, Luo L [2009]. *N*-acetyl-*S*-(*n*-propyl)-L-cysteine in urine from workers exposed to 1-bromopropane in foam cushion spray adhesives. *Ann Occup Hyg* 53(7):759–769.

0108. Harper M [2009]. Research initiatives in exposure assessment. *J Occup Saf Health* 17(1):1–17.

0109. Harper M, Slaven JE, Pang TWS [2009]. Continued participation in an asbestos fiber-counting proficiency test with relocatable grid slides. *J Environ Monit* 11(1):434–438.

0110. Harris JR, Whisler R, Ammons DE, Spahr J, Jackson LL [2009]. Safety eyewear: how much coverage does it provide? *Prof Saf* 54(7):22–27.

0111. Harrison JC, Ham JE [2009]. β -ionone reactions with the nitrate radical: rate constant and gas-phase products. *Int J Chem Kinet* 41(10):629–641.

NORA: Services

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NORA: Construction

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NORA: Mining

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NORA: Construction

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NORA: Healthcare and Social Assistance

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NORA: Manufacturing

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NORA: Services: Public Safety

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NORA: Construction: Transportation, Warehousing and Utilities

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NORA: Manufacturing

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NORA: Services
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NORA: Construction
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NORA: Mining
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NORA: Agriculture, Forestry and Fishing
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NORA: Agriculture, Forestry and Fishing: Manufacturing
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NORA: Services

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Services

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Construction: Transportation, Warehousing and Utilities

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Mining

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NORA: Services

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NORA: Services: Public Safety

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NORA: Mining

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NORA: Agriculture, Forestry and Fishing: Manufacturing

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NORA: Agriculture, Forestry and Fishing

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NORA: Mining

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Services

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Construction: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing: Services

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NORA: Services: Public Safety

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NORA: Services: Public Safety: Research Tools and Approaches: Intervention Effectiveness Research

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NORA: Services: Public Safety

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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NORA: Manufacturing

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NORA: Transportation, Warehousing and Utilities

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Construction

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NORA: Mining

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NORA: Transportation, Warehousing and Utilities

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NORA: Transportation, Warehousing and Utilities: Manufacturing

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing: Mining

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NORA: Transportation, Warehousing and Utilities

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NORA: Construction: Manufacturing

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Transportation, Warehousing and Utilities: Wholesale and Retail Trade

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NORA: Transportation, Warehousing and Utilities: Wholesale and Retail Trade

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NORA: Mining

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NORA: Services: Wholesale and Retail Trade

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NORA: Mining

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NORA: Services

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NORA: Services

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NORA: Mining

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NORA: Healthcare and Social Assistance

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NORA: Construction: Manufacturing

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NORA: Construction: Manufacturing

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NORA: Services: Healthcare and Social Assistance

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Services

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NORA: Wholesale and Retail Trade

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Construction

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing

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NORA: Transportation, Warehousing and Utilities

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining: Oil and Gas Extraction

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

0529. Larson MK, Whyatt JK [2009]. Deep coal longwall panel design for strong strata: the influence of software choice on results. In: Esterhuizen GS, Mark C, Klemetti TM, Tuchman RJ, eds. Proceedings of the International Workshop on Numerical Modeling for Underground Mine Excavation Design. Pittsburgh, PA: National Institute for Occupational Safety and Health, pp. 75–87.

NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Agriculture, Forestry and Fishing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Mining

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NORA: Services

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Wholesale and Retail Trade

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

V. CONTROL TECHNOLOGY REPORTS

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NORA: Manufacturing

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NORA: Manufacturing

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V. Control Technology Reports

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NORA: Manufacturing

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NORA: Construction

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NORA: Construction

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NORA: Construction

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NORA: Construction

VII. FIRE FIGHTER FATALITY INVESTIGATION AND PREVENTION REPORTS

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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VII. Fire Fighter Fatality Investigation and Prevention Reports

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

0635. NIOSH [2009]. Volunteer fire chief killed when buried by brick parapet wall collapse—Texas. By Merinar T. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2008–21.

NORA: Services: Public Safety

0636. NIOSH [2009]. Volunteer fire fighter dies in apparatus crash—Ohio. By Berardinelli S. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2008–22.

NORA: Services: Public Safety

0637. NIOSH [2009]. Fire fighter dies after being ejected from a pumper in a single vehicle rollover crash—New York. By Miles ST. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National

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NORA: Services: Public Safety

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NORA: Services: Public Safety

0639. NIOSH [2009]. Fire chief suffers fatal heart attack while responding to a structure fire—Pennsylvania. By Baldwin T, Hales T. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2008–29.

NORA: Services: Public Safety

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VII. Fire Fighter Fatality Investigation and Prevention Reports

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VII. Fire Fighter Fatality Investigation and Prevention Reports

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VII. Fire Fighter Fatality Investigation and Prevention Reports

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VIII. Health Hazard Evaluation Reports

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IX. AUTHOR INDEX

Author	Citation Number(s)
Abaza AA	0001 0474
Abbott R	0563
Abshire J	0579
Achutan C	0661 0664 0674
Acosta LM	0101
Adams MJ	0058
Adebayo A	0672 0673
Afshari AA	0474
Agrawal A	0095
Ahlers HW	0433
Ahroon WA	0225
Akkutlu IY	0346
Alarcon WA	0002
Alavanja MC	0127
Albers J	0461
Albizu E	0242
Alcorn LA	0294
Alexander DW	0160 0481
Allen BL	0523
Almaguer D	0299 0611
Almazan A	0683
Alterman T	0084 0102
Alvarez E	0492 0588
Amandus H	0053 0249
Ambrose DH	0024 0025
Ammons D	0110 0243 0252
An K-N	0340 0344
Anderson JL	0347
Anderson S	0003 0032 0052 0069 0475 0491 0504 0514
Anderson T	0510
Andrew M	0059 0140 0247 0251 0293 0319 0320 0321 0340 0386 0557 0591
Andrews R	0014
Antonini J	0004 0005 0151 0202 0262 0351 0476 0562 0595 0599
Apopa PL	0006
Applegate GT	0008
Archuleta M	0080
Arduino MJ	0083
Arias AKS	0142
Aristeguieta C	0674 0677
Armstrong TW	0387
Asfaw A	0007
Ashley K	0008 0009 0010 0011 0012 0095 0369
Attfield MD	0013 0016 0017
Avashia BH	0328 0329
Avery J	0510
Ayala L	0096
Ayaz FA	0014
B'Hymer C	0046 0370 0371 0372 0477

IX. Author Index

Author	Citation Number(s)
Baan R	0015
Badr M	0069
Bailer AJ	0235 0246 0334 0335
Bailer J	0189
Bailey R	0314 0680
Bajpayee TS	0478
Bak ZD	0014
Baker BA	0065
Baker BB	0081
Baldwin T	0632 0639 0640 0644 0645 0646 0653 0659 0660
Bang KM	0013 0016 0017 0018 0072 0073 0074 0308
Barbero AM	0019 0088
Barczak TM	0494 0540
Barger M	0360 0535
Barnholtz-Sloan J	0206
Baron PA	0083 0172 0520
Baron S	0020 0021 0022 0023 0096 0198 0300 0401
Barr DB	0034 0064
Barr RG	0267
Barsan ME	0424 0425
Bartels JR	0024 0025 0272 0479
Bartholomew LK	0084
Bartley DL	0010
Basova LV	0155
Bateson T	0026
Battelli L	0094 0251 0274 0506 0512 0544 0557 0591
Bauer ER	0027 0422 0423 0480
Bayir H	0141 0142 0155
Bealko SB	0028 0481
Beamer CA	0382
Beane Freeman LE	0127
Beard JK	0083
Beauparlant M	0298
Beezhold D	0003 0032 0052 0101 0187 0491 0565 0573
Beezhold K	0043 0044 0193 0359
Belikova NA	0141 0142 0155
Benbrahim-Tallaa L	0015
Benkovic SA	0005 0029 0274 0482 0542 0543 0569
Bennett JS	0030
Benson S	0051 0601
Berardinelli S	0617 0620 0636
Berger E	0225
Bergman M	0323 0324
Berkowitz D	0133
Bhatia D	0043
Bhattacharya A	0243
Bhatti P	0350
Bi Y	0364
Biagini R	0031 0295 0356 0666
Biddle EA	0443 0483
Bieneck DR	0031
Bigaignon-Cantineau J	0255
Billig BK	0005

Author	Citation Number(s)
Birch ME	0373
Bise C	0164 0527
Biswas P	0186
Blachere FM	0032 0187 0565
Blade LM	0605 0606 0607
Bledsoe TA	0573
Blemings KP	0054
Blevins LZ	0173
Boal WL	0183
Boegehold M	0551
Boehler B	0263
Boeniger M	0034 0424 0425
Boiano JM	0374 0375 0376 0377
Bondjers G	0378
Bondy ML	0206
Bongers P	0378
Borisenko G	0141 0142
Borm P	0033 0071
Boudreau Y	0664
Bouvard V	0015
Bowen RB	0178
Bower KA	0049
Bowler RM	0245
Bowman C	0382
Bowman JD	0058 0153
Bowman L	0070 0361 0363 0600
Bowyer M	0617 0627 0629 0632 0638 0642
Boylstein R	0680
Braddee R	0628 0631
Bradman A	0034
Bradtmiller B	0131 0507 0576
Branch CM	0035
Brand I	0252
Brandt MT	0483
Braybrooke G	0009
Brayne C	0333
Breitenstein MJ	0415 0416
Brenner AV	0256
Brisson MJ	0009 0010
Britt JR	0568
Brнич MJ Jr.	0160 0429
Brown KK	0003
Brown TM	0020
Brueck S	0322 0668 0672 0673 0681
Brune JF	0602 0603
Buchholz B	0310
Buford M	0106
Bugarski AD	0036 0284
Bukowski VC	0066 0484
Bullough JD	0273
Bunner L	0061
Burchfiel C	0059 0122 0140 0198 0293 0319 0320 0321 0386
Burdisso RA	0037 0485

IX. Author Index

Author	Citation Number(s)
Burdorf A	0250
Burgess JL	0598
Burgess-Limerick R	0391
Burns-Naas LA	0381
Burr G	0681
Burroughs GE	0611
Burt SE	0201
Bushnell PT	0246
Butler M	0042 0162 0163 0206 0256 0265 0266 0296 0458
Butler TA	0338
Butterworth L	0003 0052 0475 0491 0504
Byrne DC	0225
Cabrera SL	0068
Cai L	0114
Calafat AM	0123
Caldwell K	0150
Callery PS	0066
Calvert GM	0002 0266 0309
Camargo HE	0037 0485 0594
Carabin N	0008
Carns K	0186
Carreón T	0038 0265 0266
Carroll DJ	0102
Cashdollar KL	0456 0509 0537
Casini V	0410 0411 0613
Casteel C	0053
Castillo DN	0039
Castorina R	0034
Castranova V	0006 0033 0040 0043 0044 0047 0048 0070 0071 0082 0094 0103 0177 0193 0196 0226 0233 0251 0262 0268 0286 0359 0360 0361 0362 0363 0486 0488 0506 0512 0517 0520 0530 0535 0544 0549 0550 0551 0554 0557 0562 0566 0572 0578 0586 0591 0600
Cauda E	0036
Cawthon RM	0247
Cecala A	0041 0238 0239 0404 0405 0406 0407 0487
Celik I	0032 0187
Cervelli J	0517
Chang MH	0042 0163
Chang Q	0043 0044 0193
Chanock SJ	0042 0256
Chapman J	0352
Chapman R	0066 0484 0488 0562 0571
Charles LE	0045 0319 0320 0321
Chasko LL	0481 0489
Chaumont Menéndez CK	0039
Checkoway H	0153
Cheever KL	0046 0107 0372 0477
Chekan G	0490 0605 0606
Chen B	0004 0005 0032 0151 0174 0177 0187 0208 0251 0520 0530 0550 0551 0557 0578
Chen CP	0433 0441 0442
Chen D-R	0185
Chen F	0043 0044 0047 0048 0193 0359

Author	Citation Number(s)
Chen G	0049
Chen GX	0050
Chen J	0043 0044
Chen L	0299 0671
Chen P	0357
Chen P-H	0347
Chen T	0476
Chen W	0051
Chen X	0401
Cheng Y-S	0124
Chew GL	0101
Chiou S	0243 0263 0341
Chipinda I	0052 0491
Chirila M	0301
Chisholm WP	0181
Chronister T	0053
Chuang LT	0014
Chun HK	0278
Cierpich H	0184
Clark JC	0259
Clark K	0155
Clarkson CR	0346
Cleveland BM	0054
Coad JE	0512
Coble J	0127
Coffey C	0055 0056 0057 0373
Coglianico V	0015
Cohen A	0198
Cole GP	0422 0423
Cole HP	0230
Coleman C	0338
Colinet J	0490 0546 0561 0605 0606
Collier M	0542 0543
Collins JW	0117 0246
Collman GW	0023
Colombini D	0492 0588
Compton CJ	0091
Connelly J	0091
Conti RS	0489
Conway GA	0511
Cooper AR	0058
Cooper G	0026
Cope R	0295
Corteletti LJ	0242 0368
Cox-Ganser J	0059 0060 0173 0269
Cragin LA	0173
Crouch KG	0424 0425
Crowley LE	0292
Cummings KJ	0061 0062 0669 0682
Cumpston J	0177 0530
Cunard R	0069
Curran CP	0063
Curwin BD	0064

IX. Author Index

Author	Citation Number(s)
Cutlip RG	0065 0081 0201 0340 0344
Dabkowski ER	0066
Damiano NW	0531
Dang B	0299
Daniels RD	0277 0347
Dankovic DA	0169 0493
Davis KA	0187
Davis KG	0091 0156 0157
Davis RR	0309
Davis S	0032 0300
Davis SM	0187
Davis-King KE	0266
Day G	0663 0680
Day GA	0067 0302 0303 0682
Day JB	0001 0474
de Castro AB	0068
de Jong FH	0250
de Muinck Keizer-Schrama SMPF	0250
de Perio M	0150 0685
de la Mora JF	0167
De Voney D	0026
DeBord DG	0458
DeRoo LA	0247
DeWitt J	0069 0382
Deddens JA	0118 0123 0248 0250 0287
Demange M	0008
Demchuk E	0190 0433
Demissie Z	0045
Dempsey PG	0092 0210
Derick RL	0489
Deubner DC	0314
Deye G	0083 0172 0520
Ding M	0049 0070 0361 0362 0363 0600
Ding Z	0196
Dion C	0298
Divi RL	0152
Divjan AI	0101
Doheny MO	0281 0332
Dolinar D	0494 0495
Donahue R	0140
Donaldson K	0071
Doney B	0072 0073 0074 0194 0202
Dong RG	0075 0076 0205 0263 0337 0340 0342 0343 0345 0388 0496 0497 0498 0541 0593
Donlin M	0550
Dorn J	0140 0319
dos Santos Antão VC	0077
Dotson G	0433 0441 0442 0505 0536
Dowell C	0665
Dowell CH	0612 0666 0670
Dowling N	0042 0163
Downes A	0410 0411
Drake PL	0008 0280 0570

Author	Citation Number(s)
Dreher K	0551
Dreschler W	0318
Du L	0051
DuCarme JP	0479
Dubaniewicz TH Jr.	0078
Ducatman BS	0059
Duda FT	0159
Dunn K	0299 0676
Dunning K	0079
Durgam S	0150 0674 0685
Earnest GS	0390
Echt A	0396 0397 0611
Ehrenstein V	0255
Ehrhard R	0186
Eimer BC	0257 0258 0324
Einem TL	0152
Eisenberg J	0150 0665
Ekechukwu A	0012 0080
El Ghissassi F	0015
Ellenberger J	0499
Elvine-Kreis B	0276
Elwood JM	0104
Elzind DA	0517
Endo M	0082 0251
Engel S	0223
Enright PL	0267 0292
Ensey J	0065 0081
Erdely A	0082 0290 0500 0574
Erdogan SS	0534
Ernst J	0299
Eskenazi B	0034
Esswein EJ	0424 0425
Esterhuizen GS	0501
Estill C	0083 0322
Etcheverry A	0315
Evans DE	0119
Fadeel B	0070 0155 0286 0339
Farwick D	0609
Fazzi F	0502
Fedan JS	0136
Fedorowicz A	0003
Fekedulegn D	0059 0319 0320 0321 0348
Felton CM	0005
Feng HA	0174 0604
Feng W	0155 0502
Fent KW	0683 0684
Fernandez ME	0084
Fernandez P	0298
Fernback JE	0095 0207
Feychting M	0153
Fine HA	0256
Fingerhut M	0255 0378
Fisher E	0085

IX. Author Index

Author	Citation Number(s)
Fisher M	0032 0187
Fisher SG	0058
Flanders WD	0612
Flavahan NA	0133
Flavahan S	0133
Fleming DA	0347
Flemmer M	0179
Flower M	0503
Fluharty K	0356 0516 0598
Flynn DC	0006
Forester CD	0086
Forster G	0333
Fowler FJ	0573
Fowler TW	0393
Frame S	0069
Franko J	0475 0504
Franzblau A	0087
Frasch F	0475
Frasch HF	0003 0019 0088
Frazer DG	0001 0004 0005 0177 0208 0474 0476 0530 0550 0551 0557 0578
Freeman C	0015
Freivalds A	0179
Freyssinier JP	0273
Friede B	0298
Friedman LN	0061
Friend S	0251 0274 0506 0554
Friess M	0131
Frisbee J	0550
Fuente A	0089
Fujishiro K	0068 0090 0379
Fullam B	0223
Furuya S	0234
Gabbard S	0102
Gadagbui B	0505
Galichet L	0015
Galinsky T	0380
Gallagher M	0042
Gallagher S	0024 0025 0091 0092 0270 0271 0272 0560 0567
Gao P	0093
Garcia A	0604 0605 0606 0607 0609
Gardiner DW	0506
Garg A	0587
Gauger D	0225
Gaughan DM	0669 0680
Gautam M	0284
Gee GC	0068
Geraci C	0279 0545
Gerberick GF	0381
Gerges SNY	0225
Germolec D	0356 0381 0382 0574 0598
Gershon R	0022
Ghanem MM	0094
Gibbins J	0410 0411 0503 0667

Author	Citation Number(s)
Gillespie BW	0087
Gillies ADS	0592
Glew RH	0014
Go KL	0502
Godby M	0132
Goldcamp DM	0095
Goldcamp EM	0176
Goldcamp MJ	0095
Goldsmith W	0001 0474 0506
Gong F	0096 0299
Gonzalez CM	0097 0098 0254 0332
Goodman G	0149
Goodsitt MM	0087
Goodwill A	0550
Gordon T	0311
Gore R	0322
Gow AJ	0517
Gowdy K	0382
Grajewski B	0175 0331
Grau RH III	0099 0100
Graydon JR	0002
Grayson RL	0481
Green B	0101 0348 0385
Green FHY	0170 0171 0276
Green GM	0366 0537
Greenberger JS	0141 0142
Greskewitch M	0072 0073 0074
Gressel MG	0612
Groce D	0072 0073 0074
Grosse Y	0015
Grote AA	0123
Groves W	0179
Grzywacz JG	0102
Guan J	0132 0507 0576
Guha N	0015
Guilmette RA	0124
Gulumian M	0071
Guo NL	0006 0196
Gurley H	0494
Gwinn MR	0103
Gürtunca RG	0508
Habash RWY	0104
Hakobyan AS	0547
Hales T	0639 0640 0644 0645 0646 0647 0653 0655 0656 0657 0659 0660
Hall EE	0403 0434
Hall J	0586
Ham J	0105 0111 0504
Hamilton RF Jr.	0106
Hammer MA	0005
Hammond D	0604 0608 0609
Hanley KW	0038 0046 0107
Hanowski RJ	0336
Hanseman DJ	0383

IX. Author Index

Author	Citation Number(s)
Haratani T	0135
Harner EJ	0196
Harper GS	0159
Harper M	0108 0109 0178 0179 0181
Harrington JM	0153
Harris JR	0110 0263
Harris ML	0509
Harrison JC	0111 0112 0284
Harrison K	0095
Harrison R	0184
Harteis SP	0456 0568
Hartley D	0053
Hartley TA	0319 0320 0321 0386
Harvey S	0510
Hatch G	0316 0582
Hayden CS II	0113
Haynes EN	0063
He Q	0563
He X	0114 0115 00116 364
Heidel DS	0117
Hein MJ	0038 0064 0083 0118 0287 0331
Heitbrink WA	0119
Hendricks KJ	0176 0228 0410 0411
Hendricks S	0288
Hendricks W	0080
Henneberger PK	0120 0127
Herbert R	0292
Hernandez A	0492 0588
Hettick JM	0121 0565
Hibert EN	0175
Hickson DA	0122
Hieb MR	0568
Higashi T	0234
Hill RD	0511
Hillis MS	0487
Hines CJ	0123
Ho SM	0063
Hoban D	0069
Hockenberry M	0264 0564
Hodges L	0083
Hodson L	0462 0463 0545
Hoek EMV	0233
Hojou M	0135 0232
Holian A	0106
Hollander JM	0066
Hollander M	0065 0081
Holmes TD	0124
Hoover MD	0080 0124 0302 0338
Hopf NB	0123 0125 0126 0287
Hoppin JA	0127
Hoshuyama T	0234
House R	0128
Howard J	0129 0130 0224

Author	Citation Number(s)
Howe AM	0010
Howe C	0097 0098 0254 0332
Hsiao H	0131 0132 0288 0498 0507
Hu L	0296
Hubbs A	0094 0212 0251 0274 0358 0506 0512 0520 0550 0551 0557 0569 0591
Hudnall JB	0056 0057
Hudock S	0380 0461
Hughes JM	0133
Hughes N	0098
Hulderman T	0082 0327 0500 0585
Hummer JA	0036
Huston RL	0091
Hustrulid WA	0312
Huy J	0134 0182
Iannacchione AT	0513
Ikeda T	0135 0232
Ince PG	0333
Inskip PD	0206 0256
Iossifova YY	0680
Ismailoglu UB	0136
Iverson SR	0291
Jackson L	0504 0514
Jackson LG	0003 0475
Jackson LL	0110
Jacobs J	0580 0589
Jahn SD	0009
Janisko SJ	0036
Janotka E	0565
Jansky JH	0137
Jefferson AM	0005 0578
Jewell NP	0034
Ji J	0142
Jiang B	0070 0361
Jiang JF	0141 0142
Jiang R	0267
Jobes CC	0479
Johnson B	0259 0609
Johnson C	0161 0524 0525
Johnson DL	0138
Johnson DR	0515
Johnson VJ	0356 0382 0516 0598
Joseph LB	0517
Joseph P	0139 0140 0518 0571
Joy GJ	0556
Kagan VE	0141 0142 0155 0226 0285 0286 0339 0502 0520 0523 0549
Kan H	0114
Kanbeppu K	0135
Kanwal R	0143 0663 0676
Kapralov AA	0523
Kapralov O	0141
Karacan CÖ	0144 0145 0146 0147 0148 0149 0346 0519 0534
Kardous CA	0424 0425 0609
Karjalainen A	0234

IX. Author Index

Author	Citation Number(s)
Kashon M	0061 0081 0094 0103 0274 0327 0356 0518 0526 0569 0571 0599
Kaslow RA	0296
Kateman E	0318
Kau T-Y	0243
Kauffer E	0298
Kauppinen T	0378
Kavanagh-Baird G	0034
Kavet R	0153
Kawamoto M	0150
Kazerooni EA	0087
Ke Z-J	0049
Keane M	0151 0284
Kearns P	0223
Keith RW	0089
Kennedy AJ	0515
Kent MS	0314
Keohavong P	0520
Keshava C	0152
Keshava N	0152
Key-Schwartz R	0298
Khakoo R	0032 0061 0187
Khan A	0424 0425 0610
Kheifets L	0153
Khoury MJ	0042
Kichambare PD	0155
Kiedrowski M	0161
Kiefer M	0662
Kim J-S	0244
Kim JH	0365
Kim SW	0154
Kim YA	0082
King BF	0424 0425
Kingsley-Westerman CY	0457
Kisin E	0070 0155 0226 0274 0286 0502 0523 549 0569 0572 0580 0589
Kiyomoto Y	0234
Klaessig F	0233
Klandorf H	0054
Klein KA	0403 0434 0553
Klein-Seetharaman J	0142
Klemetti T	0521 0522
Kochanek PM	0141
Koedam R	0394 0395
Kohler JL	0027 0480
Kommineni C	0226 0549 0572
Konduru NV	0155 0523
Kong Y-K	0180
Koontz W	0510 0579
Kopylev L	0026
Kotowski S	0091 0156 0157
Kovalchik P	0158 0159 0294 0555
Kowalski-Trakofler KM	0160 0457
Koyama S	0082
Krajnak K	0128 0133 0161 0343 0524 0525 0526

Author	Citation Number(s)
Kreiss K	0060 0062 0173 0314
Krewski D	0104
Krieg EF Jr.	0162 0163 0191 0192 0225 0533
Krishnan R	0186
Krog R	0099 0100 0164 0165 0166 0527
Krump MR	0489
Ku BK	0119 0167 0168
Kuempel E	0169 0170 0171 0197 0493
Kulkarni P	0168 0172 0185 0186
Kullman G	0127 0669 0676 0682
Kurzius-Spencer M	0598
Kwon D	0256
Lacerda AB	0304 0305
Ladies GS	0381
Lander L	0128
Lander O	0032
Landsittel D	0051 0601
Laney AS	0173 0203
Larsen LD	0083
Larson MK	0528 0529
Laskin D	0517
Laskin JD	0517
Lasley SM	0552
Law BF	0094 0573
Lawrence RB	0057
Lawryk NJ	0174
Lawson CC	0175
Layne LA	0176 0229
Lazzara CP	0489
LeBlanc AJ	0177 0530
LeMasters GK	0079
Lee EG	0178 0179
Lee L	0179
Lee M	0223
Lee S-J	0180
Lee SY	0087
Lee T	0181
Lehman EJ	0182
Leiss JK	0183
Leka S	0378
Lentz TJ	0184 0213 0214 0215 0441 0442
Leonard SL	0152
Leonard S	0054 0066 0070 0103 0226 0251 0302 0484 0488 0549 0571 0591
Leslie S	0623
Levin SM	0292
Levy E	0182
Li AA	0542 0543
Li J	0531
Li L	0185 0364
Li M	0586
Li S	0048 0571 0586 0599
Li T	0586
Li Y	0186 0296

IX. Author Index

Author	Citation Number(s)
Li Z	0327
Li ZM	0344
Liabastre A	0080
Liebman AK	0021
Lin GX	0578
Lin MI	0179
Lindgren ML	0042 0163
Lindquist HDA	0083
Lindsley WG	0032 0187
Linet MS	0256
Link CA	0291
Lipscomb J	0022
Listak JM	0490
Liston A	0082 0500 0574
Litton CD	0188 0532
Liu T	0163
Lockey JE	0087 0259
Lohff CJ	0173
Loken MC	0590
London SJ	0127
Loomis D	0045 0189
Loomis LJ	0031
Lopes PEM	0190
Lotz WG	0104
Loveless S	0069
Lowe BD	0180 0191 0192 0415 0416
Lowry DT	0103 0274 0569
Lu ML	0533
Lu Y	0070 0193
Lucchini RG	0194
Luckhaupt SE	0376 0377
Luebke R	0069 0381 0382
Luft BJ	0292
Luo J	0049
Luo L	0107
Lurka A	0195
Luster M	0069 0356 0518 0574 0598
Lutz T	0270 0479
Lutz V	0618 0622 0626
Luxbacher KD	0534
Lynch DW	0046
Lynch RA	0138
Ma F	0005
Ma J	0535
Ma JK	0360
Ma JY	0360 0535
Ma Q	0114 0115 0116 0364
Ma Y	0196
MacCalman L	0197
MacDonald LA	0198
MacKenzie BA	0259
Mackerell AD Jr.	0190
Madler L	0233

Author	Citation Number(s)
Mahmoud AM	0001 0474
Maier A	0505 0536
Mainiero RJ	0199
Mallet LG	0240 0553
Man C	0200 0503 0509 0537 0538
Mandel JS	0266
Manno M	0128
Marcotte P	0205
Marcy AD	0008
Margolis KA	0240 0457
Mark C	0091 0501 0513 0539 0540
Marlow D	0095 0604 0607 0611
Marlow KL	0046
Marques JM	0242 0304 0305 0367 0368
Marras WS	0201
Marsh G	0153
Marsh SM	0229
Marshall SW	0189
Martin A	0295
Martin CJ	0194 0202
Martin SB Jr.	0056 0057
Martinez K	0661
Matetic R	0158 0294
Matthews F	0333
Maynard AD	0119
Mayton A	0270
Mayweather C	0279
Mazurek GH	0061
Mazurek J	0013 0016 0017 0018 0073 0074 0203 0204 0308
McCanlies E	0247 0386 0458
McCann M	0393
McCarter MK	0575
McCartney C	0581
McCawley M	0011
McCleery TZ	0182
McDonald SE	0336
McDowell TW	0075 0076 0205 0337 0342 0345 0496 0497 0498 0541 0593
McGlashan N	0503
McIntosh LJ	0542 0543
McKean-Cowdin R	0206
McKernan JL	0207 0279
McKinley R	0225
McKinney W	0001 0208 0557 0578
McKinstry K	0103 0274 0569
McNamee JP	0104
McPhaul K	0022
McWilliams LJ	0160
Mead K	0138 0664
Meade BJ	0003 0032 0069 0475
Meighan T	0103 0535
Mercer RR	0251 0360 0512 0520 0544 0562 0586
Merinar T	0394 0395 0619 0627 0630 0634 0635 0650
Merritt EM	0280 0570

IX. Author Index

Author	Citation Number(s)
Methner M	0515 0545
Meyer CA	0087
Mezei G	0153
Mickelsen L	0390
Miles KK	0393
Miles ST	0637 0641 0643 0649 0652
Millecchia L	0360
Miller A	0244 0258 0280 0570
Miller D	0005 0029 0247 0319 0482 0542 0543 0552 0563 0569
Miller GR	0525 0526
Miller R	0133 0161 0524
Millson M	0095
Mischler SE	0546
Mitchell D	0276
Mnatsakanov RM	0547
Mnatsakanova A	0293 0320 0321
Mobley A	0182
Moffatt SG	0173
Molinda G	0521 0522
Moline JM	0292
Monaghan WD	0209 0548
Moonesinghe R	0042
Moore CA	0042
Moore P	0184
Moore S	0092 0210
Morata TC	0089 0211 0242 0304 0305 0318 0367 0368 0609
Moredock D	0487
Morris JB	0212 0506
Morton RF	0266
Mosely A	0551
Moss G	0390
Moulut JC	0298
Mucho T	0316 0582
Mueller C	0299 0664 0666
Mulhern B	0213 0214 0215 0216 0217 0218 0219 0220 0221 0222 0253
Munson AE	0003 0504 0514
Muntaner C	0102
Murashov V	0130 0223 0224
Murphy WJ	0225 0365 0424 0425 0610
Murray A	0070 0155 0226 0274 0502 0520 0523 0549 0569 0572 0580 0589
Myers DVL	0608 0609 0612
Myers JR	0176 0227 0228 0229 0230
Myers ML	0230
Nadas A	0311
Nadratowski D	0338
Nakamoto J	0102
Nakata A	0135 0231 0232
Nanda S	0061
Nath J	0094
Ned RM	0042
Nel AE	0233
Nelson A	0097 0098 0254 0281 0332
Neugebauer E	0510

Author	Citation Number(s)
Ni R	0296
Nicoll JAR	0333
Nishikawa K	0234
Nishikido N	0135
Noble RB	0235
Noble-Wang J	0083
Noll J	0236 0592
Nowak D	0255
Nowlin SJ	0357
Nurkiewicz T	0177 0530 0550 0551
O'Callaghan JP	0005 0029 0333 0482 0542 0543 0552 0563
O'Fallon LR	0023
Oatts TJ	0338 0369
Ochipinti E	0492 0588
Ohtaki M	0234
Oke C	0074
Olszewska M	0237
Ong TM	0284
Organiscak J	0041 0238 0239 0404 0405 0406 0407 0487
Orr N	0256
Orr TJ	0240 0553
Ortiz LA	0502
Otsuka Y	0231
Otto C	0299
Oxnard PD	0053
Oyler D	0522
Ozbay U	0510
Pacurari M	0006 0554
Page E	0410 0411 0666 0678 0681 0684
Page S	0241 0406 0407
Paini MC	0242
Palassis J	0467
Pan CS	0243 0263 0341
Pan GW	0234
Pana-Cryan R	0007
Pang TWS	0109
Pankow KL	0575
Pappas DM	0540
Paquet V	0310
Park J-H	0060 0269
Park K	0244
Park R	0063 0235 0245 0246
Parker AL	0536
Parkhurst MA	0124
Parks CG	0247
Patoka J	0206
Patten R	0542 0543
Patterson C	0186
Patterson M	0332
Patts LD	0036 0236
Pauli CJ	0134
Payne-Sturges D	0023
Pearce TA	0032 0057 0187 0373

IX. Author Index

Author	Citation Number(s)
Peden-Adams M	0069
Peek-Asa C	0053
Peer CJ	0066
Pellizzari E	0563
Perzanowski MS	0101
Peters TM	0119
Peters W	0634 0650
Petersen MR	0107 0207 0248 0349 0350
Peterson J	0158 0469 0555
Peterson K	0249
Petrini MF	0122
Petrovitch H	0563
Petschnk EL	0001 0013 0087 0328 0329
Pfeiffer RM	0256
Phelps J	0023
Phillips S	0022
Piacitelli C	0680
Pierce PA	0008
Pierik FH	0250
Pinheiro GA	0077
Pinkerton KE	0276
Pinkerton LE	0277 0331
Pitt B	0141 0142 0502
Poirier MC	0152
Pollock DE	0556
Porter D	0006 0106 0251 0286 0512 0557 0578 0591 0595
Porter WL	0210
Posada JA	0187
Potapovich AI	0285
Potts JD	0490 0556 0558
Pounds J	0580 0589
Powers JR Jr.	0252
Prato FS	0104
Pratt M	0573
Presley JM	0014
Prince M	0287 0322
Pritchard C	0559
Pruett SB	0381
Punnett L	0310
Putz Anderson V	0216 0217 0253
Qi C	0185
Qian Y	0006 0196
Quinn J	0295
Rabinowitz PM	0089
Radawiec SM	0254
Radon K	0255
Rajaraman P	0206 0256
Rakheja S	0075
Ramsey Farwick D	0604
Ramsey J	0672 0673 0679
Ramsey MJ	0350
Randolph RF	0469
Ranta H	0348

Author	Citation Number(s)
Rao CY	0060
Rao M	0535
Ravetta PA	0037 0485
Raynor PC	0154
Razavi P	0206
Reding DJ	0266
Redrow JB	0187
Reed L	0390
Reed WR	0558
Reeves E	0297 0469
Reichler MR	0042
Reissman DB	0160
Renew DC	0153
Rengasamy M	0209
Rengasamy S	0085 0257 0258 0282 0325
Reutman S	0458
Reutman SR	0259
Reyes MA	0271 0272 0273 0273 0560 0567
Reynolds JS	0001 0474 0516
Reynolds SH	0103 0274 0352 0569
Rice F	0218 0219 0220 0221 0222
Rice MS	0260
Rich-Edwards JW	0175
Richardson DB	0189
Richardson DL	0152
Rider JP	0307 0490 0561
Roberge MR	0209
Roberge RJ	0209 0261
Roberts JR	0004 0005 0262 0351 0476 0488 0562
Robertson SA	0259
Robinson CF	0376 0377
Robinson V	0554
Rodriguez M	0672 0673 0677
Roelofs HJ	0581
Roels HA	0245
Rogers ME	0187
Rogge J	0184
Rohlf FJ	0131
Rohs AM	0259
Rojanasakul Y	0193 0586
Romano N	0614 0615 0621 0623 0625
Ron E	0350
Ronaghi M	0263
Roscoe RJ	0002
Rose L	0083
Rosenman KD	0087 0266
Ross W	0563
Rothman N	0256
Rowland J	0264
Rowland JH III	0199 0564
Roycroft J	0574
Rubin EM	0311
Rubin M	0155

IX. Author Index

Author	Citation Number(s)
Ruder A	0038 0125 0126 0206 0256 0265 0266 0287 0296 0458
Rudnicka L	0237
Ruiz V	0021
Ruwona TB	0121 0565
Ryan CA	0381
Sachs MC	0267
Sager TM	0268 0566
Sahakian N	0269 0663 0676
Salisbury JL	0274
Salmen R	0082 0500
Salvatore AL	0034
Sammarco J	0270 0271 0272 0273 0560 0567
Sammons DL	0123 0259 0295
Sampson LA	0349
Sanders CL	0042
Sanderson WT	0265
Sandler DP	0127 0247
Santos L	0242
Sapko MJ	0456 0568
Sargent LM	0103 0274 0569
Sasseville D	0573
Sauter SL	0383
Savolainen K	0223
Sawa GM	0333
Scabilloni J	0544 0562
Schaefer FW	0083
Schatzel SJ	0165 0166 0275
Schechter CB	0292
Schenker MB	0276
Scheynius A	0155
Schill A	0458
Schilling SR	0478
Schleiff PL	0013 0016 0017
Schmechel D	0565
Schnakenberg GH Jr.	0036
Schrader SM	0415 0416
Schubauer-Berigan M	0118 0277 0279 0458
Schuler C	0314 0458
Schulman MD	0189
Schulte P	0266 0278 0279 0286 0378 0398 0433 0441 0442 0458
Schumpert JC	0060
Schwegler-Berry D	0004 0005 0006 0082 0151 0251 0327 0360 0476 0562
Scott DF	0280 0570
Secretan B	0015
Sedlak CA	0281 0332
Seel EA	0347 0357
Seitz T	0390
Sellamuthu R	0518 0571
Sen A	0087
Sercombe J	0385
Sestito JP	0375 0376 0377
Sestito N	0608
Seymour JB	0313

Author	Citation Number(s)
Shaffer R	0051 0085 0257 0258 0282 0323 0324 0325
Shao R	0006
Shao W	0296
Sharp DS	0283
Shaw PB	0610
Shaw PJ	0333
Shepherd DM	0382
Shi X	0006 0043 0193 0196 0361 0362 0600
Shi XC	0284
Shi XL	0044 0049 0359
Shnyra A	0069
Shogren ES	0061
Shulman SA	0605 0606 0607
Shurin GV	0285
Shurin MR	0285
Shvedova A	0384 0580 0589
Shvedova AA	0070 0141 0142 0155 0226 0274 0286 0339 0502 0520 0523 0549 0569 0572
Siegel PD	0052 0121 0358 0491 0565 0573
Sigurdson AJ	0349 0350
Silva MJ	0123
Silver SR	0287
Simeonov P	0288
Simeonova PP	0082 0289 0290 0327 0500 0574 0585
Simoyi RH	0565
Simpson JE	0333
Sinclair R	0023
Singal M	0661
Singer JA	0291
Sinha R	0186
Sinkule E	0323
Skloot S	0292
Slade MD	0089
Slagley JM	0307
Slaven J	0057 0109 0151 0178 0179 0181 0284 0293 0356
Slavin TJ	0119
Slice D	0601
Slowinska M	0237
Smith A	0158 0264 0353
Smith AC	0354 0355 0564 0583 0596 0597
Smith AK	0294 0485
Smith DA	0307
Smith DL	0655 0656 0657
Smith JP	0295
Smith RJ	0169 0171
Smith TS	0061
Smithmyer A	0061
Snowder JE	0295
Snyder DP	0531
Snyder J	0034
Soccorsi D	0061
Somasundaran P	0233
Somervell PD	0511

IX. Author Index

Author	Citation Number(s)
Song S	0180 0365
Song W	0296 0365
Sonley E	0575
Sorgdrager B	0318
Sorrentino C	0311
Sousa S	0183
Spahr J	0110 0507 0576
Sparer J	0089
Spencer ER	0297 0422 0423 0577
Spiegelman D	0175
Sriram K	0005 0251 0512 0578 0595
Stacey P	0298
Stainback K	0189
Stancescu D	0322
Stansbury D	0299
Star A	0155 0523
Stayner LT	0169 0246
Steege AL	0021 0300 0401
Steenland NK	0287
Steevens JA	0515
Stefaniak A	0062 0067 0301 0302 0303 0338 0663
Steiner LJ	0391
Steinmetz LG	0304 0305
Stephenson CM	0393
Stephenson MR	0306
Stewart EJ	0117
Stewart NA	0502
Stock L	0096
Stolz D	0155
Stone S	0004 0005 0151 0476
Storey E	0016 0017
Storrs FJ	0573
Stoyanovsky D	0141 0142
Straif K	0015
Streit JM	0380 0383
Striley C	0034 0064 0295
Stukovsky KDH	0267
Styles L	0184
Succop P	0125
Sud R	0338
Sullivan P	0026
Sumner AD	0173
Sussman N	0520
Swanson NG	0232
Swanson P	0195 0579
Sweeney DD	0307
Sweeney MH	0300
Switzer R	0542 0543
Syamlal G	0018 0072 0073 0074 0308
Sylvain D	0667 0675 0678
Tagalog EA	0068
Taipale V	0378
Tak S	0309 0310

Author	Citation Number(s)
Takahashi K	0234
Takahashi M	0135 0232
Talaska G	0505
Tang J	0296
Tanner C	0563
Tao N	0364
Tapp L	0671 0675
Tarantino-Hutchison LM	0311
Tarley J	0394 0395 0617 0624 0627 0633
Tauger MB	0283
Taylor S	0132
Taylor T	0089
Teacoach K	0200 0538 0584
Teeguarden J	0580 0589
Tesarik DR	0312 0313
Tharr D	0441 0442
Thewlis RE	0032 0187
Thibou M	0316 0582
Thimons E	0509 0583 0602 0603
Thomas CA	0314
Thomas G	0256
Thompson M	0233
Tiesman H	0616
Tinkle SS	0311
Todoroki M	0234
Toennis CA	0259
Tomasovic B	0093
Topmiller J	0390
Toraason MA	0207
Torma-Krajewski J	0315 0391
Torres-Kilgore J	0300
Torun H	0014
Tosun K	0196
Tourkova IL	0285
Tovey E	0101 0385
Tran CL	0197
Trevisan M	0140
Trevits M	0316 0317 0581 0582 0583 0584
Trout D	0398 0661 0662
Tsuruoka S	0251
Tubbs RL	0424 0425
Tucker JD	0350
Tungekar MA	0142
Turin F	0315
Turk GC	0338
Tyurin VA	0141 0502
Tyurina YY	0141 0142 0155 0285 0502
Udasin IG	0292
Umbach DM	0127
Umbright C	0518 0571
Unger R	0315
Urosek JE	0456 0584
Uusitalo H	0378

IX. Author Index

Author	Citation Number(s)
Vallhov H	0155
Vallyathan V	0006 0070 0103 0170 0171 0276 0363 0554
Valoski MP	0584
van Wijngaarden E	0058 0153
Van Scott MR	0136
Varnum S	0580 0589
Vaught C	0403
Velegol D	0233
Vellore AD	0255
Verakis H	0264 0564
Verbeek JH	0318
Viet SM	0038 0182
Vila BJ	0293 0320
Vinukoor L	0026
Violanti JM	0140 0293 0319 0320 0321 0386
Virji MA	0062 0067 0302 0303 0322 0387
Viscusi D	0051 0085 0323 0324 0601
Vlasova II	0523
Vo E	0085 0325 0326
Volkwein JC	0241
Volkwein JD	0592
Wagner G	0234
Wake D	0298
Walker JT	0376 0377
Walker NJ	0574
Walker V	0327 0585
Wallace WE	0284
Wallingford K	0661
Wan YW	0196
Wang L	0051 0544 0586
Wang ML	0087 0328 0329
Wang SS	0256
Wang W	0516
Wang ZM	0256
Ward EM	0038 0287 0349 0350
Warfield B	0510
Warren C	0075 0205 0337 0345 0497 0541 0593
Warren S	0543
Wassell JT	0016 0017 0077 0249 0330
Waters K	0347 0580 0589
Waters M	0126 0265 0266 0287 0322 0331 0350
Waters T	0097 0098 0156 0157 0201 0254 0260 0281 0332 0492 0533 0587 0588
Waugh S	0161 0524 0525 0526
Webb-Robertson B	0580 0589
Weber RF	0250
Weise T	0093
Weiss ES	0456 0568
Weissman DN	0061 0356
Welch R	0042
Welcome D	0075 0076 0133 0205 0263 0337 0342 0343 0345 0388 0496 0497 0498 0541 0593
Wells JR	0086 0105 0112
Wells R	0504 0514

Author	Citation Number(s)
Wen CP	0234
Werren D	0533
Wertman S	0629 0643 0648 0651 0654 0658
West C	0664 0679
Westneat SC	0230
Weston A	0152 0311 0458
Whalen J	0390 0396 0397 0404 0405 0406 0407
Wharton SB	0333
Wheeler M	0171 0189 0334 0335 0493
Whelan EA	0175 0287 0350 0424 0425
Whisler R	0110
White KT	0009 0080
White L	0563
White WB	0122
Whitestone J	0132
Whyatt JK	0528 0529 0590
Wiegand DM	0336
Wiehagen W	0315
Wiencke JK	0206
Wilhite RL	0122
Willard PA	0512
Williamson CL	0066
Willson RD	0424 0425
Wilson D	0234
Wilson NW	0356
Wimer B	0337 0498
Winchester MR	0338
Wipf P	0141 0142
Wirth O	0133
Witasp E	0155 0339
Witt B	0225
Wolfarth M	0106 0251 0512 0557 0578 0591 0595
Wolfe AL	0427
Wood J	0329
Wood JM	0016 0017 0203 0204
Woolley SM	0260
Woskie S	0310 0322
Wrensch M	0206
Wu HW	0592
Wu JZ	0075 0076 0081 0237 0263 0340 0341 0342 0343 0344 0388 0496 0497 0498
Wu N	0106 0251 0586
Xia T	0233
Xia Y	0364
Xu M	0049
Xu X	0541
Xu XS	0345 0593
Yanamala N	0142
Yanske TR	0313
Yantek D	0037 0469 0555 0594
Yeager C	0299
Yeager M	0256
Yesupriya A	0042 0163

IX. Author Index

Author	Citation Number(s)
Yi J	0346
Yiin H	0357
Yiin JH	0347
Yli-Panula E	0348
Yong LC	0287 0349 0350
Yost MG	0058
Young S	0595
Young S-H	0226 0262 0351 0363 0549
Yu D	0051
Yuan BZ	0352
Yuan L	0353 0354 0355 0583 0584 0596 0597
Yucesoy B	0356 0381 0516 0598
Zaebst DD	0357
Zangar R	0580 0589
Zechmann EL	0113
Zeidler-Erdely P	0082 0476 0500 0517 0599
Zeigelboim BS	0304 0305
Zenick H	0023
Zhang X	0273 0361 0600
Zhang X-D	0358
Zhang XD	0363
Zhang Y	0043 0193
Zhang YD	0359
Zhao H	0043 0193 0360 0535
Zhao J	0070 0361 0362 0600
Zhao JS	0363
Zhao Z	0364
Zhu X	0365
Zhu YW	0311
Zhuang Z	0051 0326 0601
Zimmer JA	0487
Zipf RK Jr.	0438 0568 0602 0603
Zivkovich Z	0265 0331
Zlochower IA	0366 0537
Zocoli AMF	0367 0368
Zumwalde R	0279 0398 0462 0463

X. KEYWORD INDEX

Keyword	Citation Number(s)
Abrasive blasting	0218 0220 0221 0222
Absorption rates	0488 0502
Accident analysis	0050 0131 0210 0230 0249 0252 0312 0410 0411 0444 0459 0460 0590 0614 0616 0617 0620 0621 0622 0624 0625 0627 0628 0629 0630 0631 0634 0635 0636 0637 0638 0641 0648 0649 0651 0652 0654 0656 0658 0660
Accident prevention	0025 0110 0117 0210 0213 0227 0228 0230 0249 0252 0271 0312 0394 0395 0399 0401 0410 0411 0444 0459 0460 0467 0479 0495 0511 0540 0567 0613 0614 0615 0616 0617 0620 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0641 0642 0643 0648 0649 0650 0651 0652 0654 0656 0658 0660
Accident rates	0050 0176 0213 0227 0228 0249 0280 0399 0401 0410 0411 0443 0464 0465 0511 0540 0570
Accident statistics	0050 0117 0176 0210 0213 0228 0249 0252 0280 0443 0464 0465 0511 0570
Acid gases	0073
Acids	0280 0570
Acoustical measurements	0674
Aerosol particles	0036 0071 0083 0085 0094 0119 0124 0138 0154 0167 0168 0172 0177 0181 0208 0241 0251 0258 0268 0408 0409 0414 0486 0520 0545 0557 0591 0666
Aerosol sampling	0124 0154 0181 0208 0241
Aerosols	0004 0083 0085 0124 0138 0167 0168 0185 0251 0257 0258 0282 0301 0385 0408 0409 0414 0419 0420 0503 0514 0545 0592 0666 0669
Age factors	0050 0065 0081 0140 0162 0163 0176 0204 0227 0229 0234 0266 0267 0270 0333 0347 0383 0542 0598
Age groups	0013 0081 0118 0135 0162 0176 0204 0211 0229 0247 0267 0333 0383 0587
Agglomeration	0168
Agricultural chemicals	0265 0266 0563
Agricultural industry	0021 0102 0127 0156 0157 0176 0228 0230 0265 0276 0300 0399 0431 0473
Agricultural machinery	0228 0229 0230 0399
Agricultural processes	0227 0276 0300 0399 0563
Agricultural workers	0021 0084 0102 0127 0156 0157 0176 0227 0228 0229 0265 0266 0276 0300 0399 0401 0431 0473 0563 0587
Air contamination	0030 0073 0124 0148 0212 0324 0390 0514
Air filters	0174 0239 0324 0487
Air monitoring	0030 0083 0086 0124 0154 0181 0504 0514
Air purifying respirators	0073 0324
Air quality control	0030 0212 0239 0324 0487
Air quality monitoring	0030 0324 0504 0514 0604
Air sampling	0010 0032 0086 0124 0126 0154 0177 0179 0181 0187 0299 0504 0514 0608 0609
Air traffic controllers	0386
Air treatment	0004 0155 0177 0187 0207 0290 0362 0408 0409 0414 0484 0486
Airborne dusts	0004 0155 0177 0187 0207 0290 0362 0408 0409 0414 0484 0486

X. Keyword Index

Keyword	Citation Number(s)
Airborne dusts (cont.)	0487 0589 0600 0669 0676
Airborne particles	0004 0005 0032 0033 0063 0083 0094 0101 0106 0138 0155 0168 0174 0177 0178 0187 0212 0244 0282 0289 0290 0298 0325 0348 0362 0390 0408 0409 0414 0435 0436 0474 0484 0486 0487 0506 0515 0544 0557 0578 0586 0589 0591 0600 0664 0676
Aircrews	0331 0349
Airport personnel	0670
Airway obstruction	0143 0676
Aldehydes	0326
Alkalies	0280 0570
Allergens	0067 0127 0303 0358 0385 0573 0676 0680
Allergic dermatitis	0571 0573
Allergic reactions	0121 0127 0358 0475 0571 0595 0676
Alveolar cells	0106
Alzheimer's disease	0333
Amino acids	0014
Analytical chemistry	0008 0369 0370 0372
Analytical instruments	0057 0113 0121 0185 0244 0373 0419 0420 0422 0423 0437
Analytical methods	0008 0030 0338 0369 0371 0372 0474 0611
Analytical processes	0002 0008 0030 0083 0085 0113 0121 0135 0140 0168 0244 0282 0289 0319 0325 0338 0348 0355 0366 0369 0370 0372 0373 0381 0384 0422 0423 0437 0537 0545
Animal husbandry workers	0300
Animal studies	0052 0054 0081 0088 0197 0226 0251 0262 0268 0358 0491 0524
Anthropometry	0051 0131 0132 0507 0576 0601
Antigens	0031 0296 0311 0517 0595
Anti-oxidation	0054 0114
Apoptosis	0139 0141 0142 0285 0352
Arm injuries	0128 0217 0253 0388
Aromatic hydrocarbons	0126
Arsenic compounds	0115
Asbestos dust	0026 0073 0234
Asbestos fibers	0016 0017 0026 0073 0488
Asbestos industry	0077 0234
Asbestos products	0016 0017 0234 0681
Asbestos removal	0016 0017 0400
Asbestos workers	0016 0017 0077 0234
Asphalt fumes	0400
Back injuries	0065 0156 0157 0217 0246 0253 0445 0446 0447 0448 0449 0450 0451 0452 0453 0461 0533 0679
Bacterial disease	0061 0262 0284 0324 0351
Bacterial dusts	0284 0676
Bacterial infections	0262 0324 0351
Bactericides	0351
Bakery workers	0666
Barium compounds	0611
Battery manufacturing industry	0273
Behavior patterns	0034 0084 0231 0368
Benzene poisoning	0364
Benzidines	0015
Benzopyrenes	0015
Beryllium compounds	0011 0012 0062 0338 0369 0611

Keyword	Citation Number(s)
Beryllium disease	0011 0012 0062 0311
Biochemical analysis	0006 0054 0083 0108 0136 0233 0311 0359 0364
Biochemical indicators	0006 0089 0233 0285
Biohazards	0013 0020 0021 0022 0033 0060 0071 0083 0085 0094 0106 0107 0108 0123 0169 0170 0175 0258 0262 0284 0289 0290 0300 0301 0302 0311 0324 0385 0417 0418 0604
Biological agents	0032 0142 0187 0417 0418
Biological effects	0006 0013 0022 0031 0032 0033 0046 0052 0054 0060 0069 0071 0075 0076 0081 0083 0088 0089 0094 0104 0106 0116 0123 0128 0136 0142 0155 0169 0170 0175 0177 0187 0197 0212 0233 0237 0241 0245 0247 0256 0262 0274 0278 0279 0284 0285 0289 0290 0296 0300 0301 0302 0311 0325 0344 0350 0352 0360 0361 0364 0475 0476 0477 0482 0484 0486 0488 0491 0500 0502 0504 0505 0506 0512 0514 0515 0517 0518 0520 0523 0530 0543 0544 0549 0550 0551 0554 0557 0562 0563 0566 0569 0571 0572 0573 0574 0578 0580 0585 0586 0589 0591 0595 0598 0599 0600 0646
Biological function	0006 0069 0076 0081 0136 0162 0177 0212 0241 0247 0311 0344 0349 0484 0486 0562 0566 0574 0589 0600
Biological monitoring	0006 0022 0031 0044 0046 0047 0048 0052 0060 0063 0075 0076 0081 0083 0088 0108 0123 0155 0175 0198 0212 0233 0256 0278 0279 0285 0290 0300 0325 0344 0360 0361 0491 0504 0514
Biological transport	0006 0032 0046 0047 0108 0155 0162 0169 0170 0177 0187 0197 0212 0289 0290 0364 0484 0486 0562 0566 0574 0589 0600
Biological warfare agents	0083 0417 0418 0604
Biomarkers	0044 0046 0048 0052 0063 0082 0123 0175 0256 0285 0290 0349 0350 0372 0458 0491 0500 0514 0565 0589 0595 0664
Biomechanical engineering	0091 0184 0191 0192 0324 0337 0342 0344
Biomechanical modeling	0076 0288 0340 0343 0344 0497
Biomechanics	0065 0076 0091 0092 0128 0191 0192 0237 0243 0288 0337 0340 0341 0342 0343 0344 0380 0388 0497
Biomedical engineering	0006 0233 0289 0337 0341
Biostatistics	0022 0278
Black lung	0445 0446 0447 0452
Bladder disorders	0015 0038
Blood analysis	0052 0140 0162 0163 0202 0290 0491 0518 0550 0595
Blood disorders	0015 0364
Blood sampling	0052 0163 0245 0491
Blood vessels	0006 0133 0177 0267 0290 0500 0550 0551
Bloodborne pathogens	0182 0183 0392 0518
Boat manufacturing industry	0608
Body mechanics	0092 0191 0192 0380
Bone structure	0340 0344
Brain damage	0126
Brain disorders	0206 0333
Brain function	0162 0333 0482
Breast cancer	0287
Breathing	0013 0060 0094 0169 0170 0197 0212 0262 0267 0290 0292 0301 0302 0307 0474 0516 0535 0562 0565 0566 0574
Breathing zone	0041 0169 0170 0307 0476 0535 0609
Bronchial asthma	0060 0120 0122 0127 0143 0173 0276 0308 0358 0663 0669 0676
Building related symptoms	0173
Burns	0453
Cadmium compounds	0202 0611 0678

X. Keyword Index

Keyword	Citation Number(s)
Cancer	0015 0016 0017 0043 0044 0048 0070 0193 0194 0196 0206 0234 0247 0285 0287 0347 0352 0362 0431 0473 0477 0543 0569 0675 0681 0683 0684
Carbides	0067 0303
Carcinogenicity	0047 0048 0103 0104 0476 0477 0599 0600
Carcinogens	0015 0047 0070 0103 0104 0350 0363 0477
Cardiac function	0066 0114 0177 0639 0640 0644 0645 0646 0647 0653 0655 0657 0659
Cardiopulmonary system	0267 0290
Cardiovascular disease	0058 0066 0177 0290 0386 0431 0444 0473 0574 0639 0640 0641 0644 0645 0646 0647 0653 0655 0656 0657 0659 0660
Carpal tunnel syndrome	0340
Case studies	0178 0298 0315 0329 0575
Cell alteration	0352 0363 0578 0586
Cell biology	0005 0006 0043 0044 0047 0049 0052 0054 0066 0075 0076 0106 0108 0114 0136 0141 0155 0169 0170 0196 0197 0212 0226 0233 0274 0284 0285 0296 0352 0359 0360 0361 0363 0364 0475 0482 0484 0486 0491 0505 0506 0512 0515 0520 0523 0542 0543 0544 0549 0554 0557 0569 0571 0572 0578 0580 0585 0586 0591 0600
Cell damage	0005 0044 0047 0052 0075 0076 0103 0139 0169 0170 0212 0226 0274 0284 0327 0360 0361 0484 0486 0491 0502 0506 0543 0569 0572 0578 0585 0600
Cell function	0043 0047 0048 0052 0054 0066 0071 0075 0076 0094 0103 0114 0116 0136 0139 0155 0212 0233 0250 0262 0296 0327 0360 0364 0484 0486 0491 0517 0571 0595 0600
Cell growth	0044 0052 0141 0352 0359 0361 0491
Cell metabolism	0006 0043 0044 0048 0049 0052 0054 0066 0136 0139 0141 0152 0169 0170 0196 0197 0212 0262 0284 0352 0359 0361 0476 0484 0486 0488 0491 0517 0554 0571 0578 0595 0600
Cell transformation	0103 0139 0233 0352 0359 0361 0363
Cell wall permeability	0006 0212 0578
Cellular reactions	0005 0006 0043 0044 0047 0049 0052 0054 0071 0094 0103 0108 0114 0136 0139 0141 0152 0155 0169 0170 0196 0197 0212 0226 0233 0274 0284 0285 0296 0352 0360 0361 0363 0364 0409 0414 0462 0463 0475 0476 0482 0484 0486 0488 0491 0502 0506 0512 0515 0517 0520 0523 0543 0544 0549 0554 0557 0569 0571 0572 0578 0580 0585 0586 0591 0595 0600
Cement industry	0571
Central nervous system disorders	0005 0063 0206 0552 0609
Ceramics industry	0671
Chemical analysis	0052 0116 0152 0226 0484 0491
Chemical burns	0280 0570
Chemical cleaning	0045 0295 0516
Chemical composition	0052 0105 0112 0152 0194 0226 0357 0484 0491
Chemical hypersensitivity	0005 0019 0041 0045 0046 0049 0052 0063 0064 0086 0089 0107 0108 0123 0136 0175 0178 0194 0196 0226 0245 0259 0295 0298 0311 0314 0328 0347 0359 0361 0362 0364 0477 0484 0488 0491 0504 0514 0516 0518 0536 0543 0565 0571 0573 0598
Chemical indicators	0105 0152 0536
Chemical industry workers	0038 0314 0328 0329
Chemical properties	0046 0069 0086 0088 0105 0107 0112 0194 0196 0202 0278 0284 0301 0302 0311 0314 0347 0357 0408 0409 0414 0439 0440 0462 0463 0484 0536
Chemical reactions	0046 0049 0052 0086 0088 0089 0105 0108 0111 0116 0152 0162

Keyword	Citation Number(s)
Chemical reactions (cont.)	0163 0226 0245 0278 0284 0301 0302 0347 0352 0359 0361 0484 0488 0491 0543 0573 0598
Chemical structure	0439 0440
Chemical synthesis	0105 0112 0152 0364
Chemical warfare agents	0370 0543
Chlorine compounds	0299
Chlorophyllin	0152
Chromium compounds	0008 0067 0151 0303
Chromosome disorders	0103 0284 0350
Chronic degenerative diseases	0018
Chronic exposure	0013 0169 0170 0276 0301 0302
Chronic inflammation	0276
Cigarette smoking	0171 0202 0232 0277 0664
Circadian rhythms	0320 0331
Circulatory system	0133
Cladosporium	0101
Cleaning compounds	0045 0086 0107
Clinical pathology	0170
Coal dust	0094 0171 0200 0241 0503 0509 0537 0538 0546 0556 0561 0583
Coal gas	0144 0147 0148
Coal miners	0013 0148 0160 0241 0273 0294 0315 0354 0445 0446 0447 0466 0478 0494 0499 0509 0513 0522 0539 0556 0583
Coal mining	0027 0078 0144 0145 0147 0148 0149 0160 0164 0165 0166 0195 0200 0240 0241 0273 0275 0294 0315 0316 0346 0353 0354 0428 0430 0438 0445 0446 0447 0452 0466 0468 0472 0478 0480 0481 0489 0494 0495 0499 0501 0508 0509 0510 0513 0519 0521 0522 0527 0528 0531 0538 0539 0540 0546 0548 0553 0556 0561 0581 0582 0583 0584 0590 0596 0597 0602 0603
Coal processing	0280 0354 0468 0570
Coal workers pneumoconiosis	0203 0307 0452 0556
Cobalt compounds	0067 0303
Combustion products	0519 0584 0597
Computer models	0024 0146 0208 0353 0354 0387 0428 0485 0492 0496 0501 0528 0529 0533 0534 0587 0588
Computer software	0093 0208 0240 0389 0422 0423 0428 0430 0437 0501 0529 0553 0579
Concretes	0396 0397
Confined spaces	0159 0400
Construction industry	0184 0213 0214 0215 0243 0263 0288 0309 0310 0396 0397 0400 0404 0405 0406 0407 0431 0461 0473 0571 0615 0616
Construction workers	0132 0184 0213 0214 0215 0243 0245 0263 0310 0396 0397 0400 0404 0405 0406 0407 0431 0461 0473 0571 0615 0616
Control banding	0108
Control methods	0023 0118 0236 0238 0546 0561
Control technology	0028 0037 0041 0099 0145 0146 0147 0149 0158 0200 0236 0238 0294 0297 0396 0397 0404 0405 0406 0407 0408 0409 0414 0439 0440 0468 0469 0472 0485 0490 0509 0519 0538 0546 0555 0556 0558 0561 0583 0594 0597 0602 0604 0605 0606 0607 0608 0609 0611 0614 0634 0668 0669 0670 0672 0673 0683
Correctional facilities	0611 0678
Cosmetics workers	0259
Cumulative trauma disorders	0081 0191 0192 0340 0391 0461 0679
Cytokine	0136 0356
Cytology	0116 0274 0285 0350 0482 0506 0512 0515 0520 0523 0543 0544

X. Keyword Index

Keyword	Citation Number(s)
Cytology (cont.)	0549 0554 0557 0569 0572 0578 0580 0585 0586 0591
Cytotoxic effects	0106 0339 0361 0363
Cytotoxicity	0327 0339 0571 0600
Demographic characteristics	0007 0016 0017 0051 0079 0089 0090 0122 0171 0183 0213 0227 0228 0232 0266 0276 0308 0321 0329 0374 0376 0377
Dendritic cells	0285
Dermal exposures	0126
Dermal penetration	0019
Dermatitis	0003 0045 0226 0433 0441 0442 0452 0666 0676
Dermatology	0433 0573
Diabetic cardiomyopathy	0114
Diesel emissions	0036 0099 0169 0284 0360 0535 0546
Disease incidence	0045 0563
Disease prevention	0143 0182 0409 0414 0462 0463
Disinfectants	0083 0085
Diving	0641
Dose response	0052 0169 0226 0235 0251 0268 0334 0335 0357 0382 0431 0473 0484 0491 0493 0550 0551 0600 0674
Dosimetry	0212 0251 0382 0384 0424 0425 0484 0493 0600 0674
Drug therapy	0006 0477
Dust analysis	0108 0119 0172 0276 0361
Dust control	0041 0236 0238 0307 0396 0397 0404 0405 0406 0407 0487 0490 0546 0558 0561 0605 0606 0607 0666 0669
Dust exposure	0040 0041 0087 0094 0119 0219 0236 0238 0241 0276 0298 0396 0397 0404 0405 0406 0407 0546 0561 0611 0669
Dust inhalation	0094 0241 0276 0298 0666
Dust particles	0009 0080 0094 0095 0119 0241 0396 0397 0404 0405 0406 0407 0509
Dust sampling	0009 0080 0095 0241 0298 0509
Dyes	0015
Ear disorders	0052 0491
Elastic modulus	0145
Electrical charge	0172 0393
Electrical conductivity	0554
Electrical equipment	0393
Electrical fields	0186
Electrical hazards	0628 0671
Electrical industry	0464 0465
Electrical properties	0172
Electrical safety	0628
Electrical shock	0393
Electrical waves	0153
Electrochemical analysis	0167 0551 0612
Electrocutions	0039 0400 0628
Electromagnetic absorption	0167
Electromagnetic fields	0058 0104 0153 0684
Electromagnetic radiation	0104 0153 0684
Electronic components	0611
Electronic devices	0531 0678
Emergency responders	0140 0150 0183 0321 0386 0394 0395 0415 0416 0417 0418 0444 0536 0617 0618 0619 0620 0621 0622 0623 0625 0626 0628 0629

Keyword	Citation Number(s)
Emergency responders (cont.)	0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0653 0655 0656 0657 0658 0659 0660 0683 0685
Emission sources	0105 0338
Employee exposure	0178 0298 0514 0516 0536 0565
Endocrine system disorders	0287 0386
Endothelial function	0161
Engineering controls	0028 0037 0041 0099 0145 0146 0147 0149 0158 0159 0184 0186 0236 0238 0252 0294 0297 0307 0345 0390 0396 0397 0404 0405 0406 0407 0408 0409 0414 0424 0425 0431 0438 0439 0440 0468 0469 0472 0473 0485 0490 0509 0519 0534 0541 0546 0555 0556 0558 0561 0583 0593 0594 0597 0602 0604 0605 0606 0607 0608 0609 0611 0614 0622 0634 0654 0668 0669 0670 0672 0673 0678 0683
Environmental contamination	0278 0362 0611
Environmental control	0056 0424 0425
Environmental exposure	0023 0036 0055 0060 0101 0139 0252 0278 0295 0348 0367 0515 0523 0580
Environmental hazards	0036 0139 0278 0515 0523 0580
Environmental health	0023 0060 0523
Environmental physiology	0278
Equipment operators	0024 0025 0227 0252 0260 0281 0485 0616 0650 0658
Ergonomics	0025 0045 0065 0097 0098 0117 0156 0157 0180 0191 0192 0205 0217 0243 0246 0253 0254 0260 0281 0288 0315 0332 0340 0342 0343 0344 0380 0391 0400 0415 0416 0419 0420 0426 0435 0436 0492 0497 0498 0533 0587 0588 0620 0679
Excavation equipment	0215 0400
Exhaust gases	0099 0108 0665 0670
Exhaust ventilation	0439 0440 0668
Explosion prevention	0508 0548 0602 0603 0629
Explosion protection	0509 0519 0602
Explosive dusts	0041 0200 0408 0409 0414 0503 0537 0538
Explosive gases	0165 0166 0355 0366 0633
Explosive hazards	0408 0409 0414
Exposure limits	0123 0175 0237 0347 0348 0349 0609 0611
Exposure methods	0005 0006 0009 0010 0011 0020 0021 0022 0023 0029 0033 0041 0045 0060 0063 0064 0080 0081 0083 0086 0088 0089 0094 0095 0096 0101 0104 0105 0106 0107 0108 0117 0123 0126 0128 0139 0148 0163 0174 0175 0178 0184 0187 0194 0205 0208 0218 0220 0221 0223 0224 0233 0235 0245 0255 0256 0259 0274 0278 0282 0284 0285 0289 0295 0298 0300 0301 0311 0314 0324 0328 0329 0331 0334 0344 0348 0349 0351 0354 0357 0359 0361 0362 0365 0367 0435 0436 0476 0477 0482 0484 0486 0488 0500 0502 0504 0505 0506 0512 0514 0515 0516 0517 0518 0520 0523 0530 0535 0536 0542 0543 0544 0549 0550 0551 0555 0557 0562 0563 0565 0566 0569 0571 0572 0574 0578 0580 0586 0589 0591 0594 0595 0599 0600
Eye disorders	0676
Eye irritants	0299 0664 0666 0667 0672 0673 0676 0677 0680
Eye protection	0110 0668 0680
Face masks	0324 0601
Fall protection	0131 0213
Farmers	0064 0084 0102 0127 0227 0228 0229 0265 0266 0276 0300 0399

X. Keyword Index

Keyword	Citation Number(s)
Farmers (cont.)	0401
Fatigue	0336 0552
Fibrogenicity	0251 0512 0572 0580
Fibrous bodies	0109 0168 0569 0572 0580
Fibrous dusts	0106 0207 0282 0569 0572 0580 0609
Fibrous glass	0608 0609
Filter fabrics	0323
Filter materials	0036 0186 0323
Filtration	0154 0181 0186 0236 0238 0282 0604
Fire extinguishing systems	0264 0489 0564
Fire fighters	0150 0249 0386 0394 0395 0417 0418 0444 0598 0617 0618 0619 0620 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660 0685
Fire fighting equipment	0150 0249 0444 0459 0460 0617 0618 0619 0620 0621 0622 0623 0624 0625 0627 0628 0630 0631 0634 0636 0637 0642 0643 0644 0645 0649 0650 0652 0654 0685
Fire hazards	0394 0395 0408 0409 0414 0444 0519 0583 0597 0598 0617 0623 0627 0630 0632 0638 0643 0651
Fire prevention	0264 0316 0519 0548 0582 0584 0596 0597
Fire protection equipment	0150 0619 0685
Fire safety	0188 0394 0395 0444 0489 0532 0548 0564 0583 0617 0619 0623 0624 0626 0627 0628 0630 0631 0632 0634 0635 0638 0643 0651
Fish farming	0230
Fishing industry	0035 0242
Flame retardants	0150 0685
Flammable gases	0165 0166 0355 0366 0619
Flash point	0503
Flight personnel	0331 0350
Food additives	0143 0676 0680 0682
Food processing workers	0143 0576 0680 0682
Fumes	0004 0005 0073 0108 0151 0174 0357 0362 0671 0674
Furniture workers	0672 0673
Gas adsorption	0346
Gas chromatography	0111 0371
Gas detectors	0057 0148 0519
Gas industry	0111 0464 0465
Gas sampling	0086 0371 0604
Gas welders	0151
Gastrointestinal system disorders	0029 0048
Genetic disorders	0139 0274 0484 0569
Genetic factors	0043 0044 0047 0048 0069 0114 0116 0152 0163 0196 0247 0256 0296 0334 0356 0364 0458 0475 0500 0514 0518 0535 0563 0574 0598 0599
Genotoxic effects	0048 0063 0104 0284 0334 0484 0520 0535 0580
Geology	0499 0521 0528 0534 0579
Geophysics	0298
Gliosis	0005 0333
Global harmonization	0223
Glutathione	0226
Gob gas vent holes	0146 0147 0149
Gramicidin	0142

Keyword	Citation Number(s)
Grip strength	0337
Ground stability	0195 0313 0478 0494 0495 0499 0510 0513 0521 0522 0528 0534 0539 0540 0575 0579 0590
Growth factors	0019
Hand injuries	0076 0128 0133 0180 0205 0337 0342 0344 0388 0461
Hand tools	0076 0180 0205 0337 0342 0345 0388 0461 0541 0593
Hand transmitted vibration	0345
Hard metal disease	0663
Hard rock mines	0577
Harnesses	0132
Head injuries	0658
Head protective equipment	0658
Health care facilities	0068 0117 0138 0187 0246 0330 0374 0375 0376 0377 0390 0392 0426 0431 0435 0436 0473 0675
Health care personnel	0022 0023 0061 0068 0074 0096 0097 0098 0117 0134 0183 0246 0254 0255 0258 0260 0281 0330 0332 0374 0375 0376 0377 0380 0386 0390 0392 0426 0431 0435 0436 0473 0477 0675
Health hazards	0013 0022 0031 0034 0046 0089 0104 0148 0169 0170 0187 0189 0190 0234 0245 0255 0259 0279 0284 0289 0301 0302 0311 0320 0328 0329 0331 0415 0416 0477 0504 0515 0523 0580
Health protection	0020 0021 0022 0129
Health services	0117 0129 0134 0246
Health standards	0129 0170 0224 0255
Health surveys	0090 0104 0255 0259 0320 0328 0331
Hearing acuity	0368
Hearing conservation	0037 0084 0211 0225 0242 0294 0304 0305 0306 0309 0318 0367 0468 0469 0472
Hearing disorders	0037 0084 0158 0211 0225 0294 0304 0305 0318 0365 0368 0472
Hearing impairment	0037 0084 0158 0211 0225 0294 0306 0318 0445 0446 0448 0449 0450 0451 0452 0453 0468
Hearing loss	0028 0037 0084 0159 0211 0225 0242 0294 0304 0305 0306 0309 0318 0365 0367 0368 0431 0445 0446 0448 0449 0450 0451 0453 0468 0469 0472 0473 0610
Hearing protection	0225 0242 0306 0309 0318 0367 0469
Hearing threshold	0368 0594
Heat exposure	0354
Heat stress	0665 0672 0673
Heat stroke	0452 0453 0665
Heavy metals	0062 0115 0150 0424 0425 0611 0678 0685
Height factors	0243
Hepatic microsomal enzymes	0054 0194
Hepatocytes	0043 0044 0047 0048 0054 0194 0296
Hepatotoxicity	0047 0048 0194 0518
Hepatotoxins	0043 0047 0518
Hexanes	0057
Hierarchical models	0334
Hispanic youth	0176
Homocysteine	0162 0163
Hormone activity	0029 0247 0250
Hydraulic conductivity	0149
Hydrocarbons	0094 0126
Hyperosmolarity	0136
Hyphae	0101

X. Keyword Index

Keyword	Citation Number(s)
Ignition sources	0078 0165 0166
Immune reaction	0031 0064 0069 0279 0285 0295 0339 0356 0381 0382 0475 0535 0562 0574 0595
Immune system disorders	0029 0032 0187 0256 0262 0431 0473 0595
Immunochromatography	0064 0152 0295 0482
Immunological tests	0381 0514
Immunology	0022 0031 0069 0279 0285 0300 0339 0381 0382 0475 0502 0514 0574 0595
Immunotoxins	0064 0262 0381 0382 0535 0562
Impulse noise	0424 0425 0610
Indoor air pollution	0060 0173 0269 0385 0390 0666 0674 0681 0683
Indoor environmental quality	0060 0105 0112 0173 0269 0385 0390 0504 0514 0666 0674 0681 0683
Industrial environment	0123 0175 0278
Industrial equipment	0046 0263
Industrial exposures	0016 0017 0046 0123 0175 0278
Industrial factory workers	0123 0175
Industrial hazards	0046 0278
Industrial hygienists	0055 0373 0483
Industrial processes	0046 0278
Industrial safety	0278
Infection control	0056 0138 0182 0262 0390 0392 0426 0662 0675
Infectious diseases	0032 0056 0061 0138 0182 0187 0258 0262 0323 0390 0392 0426 0435 0436 0662
Information systems	0265 0402
Infrared spectrophotometry	0057
Inhalation studies	0004 0005 0013 0018 0041 0060 0063 0106 0126 0136 0155 0169 0177 0194 0197 0208 0236 0238 0259 0267 0274 0276 0284 0289 0290 0298 0301 0302 0307 0311 0314 0324 0328 0329 0351 0360 0362 0474 0476 0486 0493 0500 0502 0504 0506 0512 0514 0515 0516 0520 0523 0530 0544 0546 0549 0550 0551 0554 0557 0561 0565 0569 0572 0578 0580 0585 0586 0591 0598 0599 0601
Injury prevention	0007 0025 0053 0065 0084 0110 0117 0131 0132 0201 0210 0213 0214 0217 0227 0228 0230 0237 0246 0249 0252 0253 0260 0263 0271 0278 0312 0314 0330 0380 0391 0394 0395 0399 0401 0409 0410 0411 0414 0426 0431 0444 0461 0462 0463 0467 0473 0478 0479 0494 0495 0499 0511 0540 0567 0610 0613 0614 0615 0616 0617 0620 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0642 0643 0648 0649 0650 0651 0652 0654 0658
Ion exchange chromatography	0046
Ionization	0046 0057
Ionizing radiation	0347 0350 0357
Iron workers	0461
Irritants	0505 0506 0512 0515 0517 0520 0523 0543 0549 0554 0557 0569 0572 0578 0580 0586 0591 0595
Isocyanates	0121
Jet engine fuels	0681
Job analysis	0126
Job stress	0102 0135 0216
Kidney disorders	0277
Kidney function	0247

Keyword	Citation Number(s)
Kinematics	0340
Laboratory techniques	0109 0154 0181 0247 0340 0343 0354 0355 0366 0555
Laboratory testing	0004 0005 0006 0009 0010 0019 0029 0052 0075 0076 0081 0086 0091 0094 0095 0106 0109 0136 0155 0180 0205 0208 0226 0235 0238 0276 0298 0301 0311 0314 0326 0334 0343 0351 0354 0355 0360 0365 0366 0491 0516 0542 0612
Laboratory workers	0109 0662
Landscape services workers	0039 0215 0219
Law enforcement workers	0053 0424 0425
Lead absorption	0002 0163
Lead compounds	0002 0073 0162 0400 0611 0674 0678
Lead dust	0400 0424 0425 0674
Lead poisoning	0002
Light source	0272 0273 0560
Lighting systems	0271 0567 0623 0626
Lipidomics	0141
Liquid chromatography	0370 0612
Liver disorders	0044 0047 0048 0518
Liver function	0054 0069
Liver microsomal metabolism	0048 0054
Logging workers	0614
Long-term monitoring	0313
Long-term exposure	0350
Longwall gob	0597
Longwall mining	0144 0145 0146 0147 0149 0164 0195 0307 0353 0403 0490 0519 0527 0528 0529 0579 0583 0596 0597
Lost work days	0445 0446 0447 0448 0449 0450 0451 0452 0453
Low back disorders	0092
Lumber industry workers	0614
Lung cancer	0015 0016 0017 0026 0103 0139 0169 0170 0193 0277 0352
Lung disorders	0001 0013 0018 0062 0120 0143 0169 0170 0193 0197 0251 0276 0277 0292 0301 0302 0311 0351 0360 0389 0427 0445 0446 0447 0452 0474 0476 0500 0506 0515 0517 0520 0523 0535 0544 0549 0550 0562 0566 0569 0572 0574 0580 0589 0595 0599 0663 0676 0680 0682
Lung fibrosis	0277 0535 0562 0566 0574
Lung function	0143 0267 0276 0290 0329 0351 0389 0409 0414 0427 0462 0463 0476 0493 0550 0562 0566 0574 0589 0598 0599
Lung irritants	0001 0004 0094 0139 0155 0241 0251 0262 0276 0282 0290 0292 0311 0351 0360 0474 0476 0493 0506 0512 0515 0517 0520 0523 0535 0536 0544 0549 0550 0554 0557 0562 0565 0566 0569 0572 0574 0578 0580 0585 0586 0589 0591 0595 0598 0599 0676
Lung tissue	0352 0488 0502
Lymph nodes	0052 0059 0491 0512 0516
Lymphatic system	0052 0059 0491 0512 0516
Machine operators	0025 0252 0263 0485 0605 0606 0607 0671
Magnetic fields	0058 0684
Maintenance workers	0039
Malignant neoplasms	0016 0017
Mammalian cells	0284
Manganese	0005 0672 0673
Manual lifting	0217 0253 0391 0426 0492 0533 0587 0588

X. Keyword Index

Keyword	Citation Number(s)
Manual materials handling	0217 0243 0253 0391 0492 0533 0587 0588
Mass spectrometry	0111 0121 0370
Mathematical models	0007 0026 0042 0076 0125 0140 0148 0154 0167 0169 0170 0174 0186 0195 0197 0235 0238 0241 0246 0248 0281 0288 0293 0322 0334 0335 0338 0349 0357 0387 0428 0474 0485 0493 0494 0496 0501 0529 0535
Measurement equipment	0051 0055 0057 0335 0337 0338 0342 0612
Meat handlers	0576
Meat packing industry	0304 0305 0576
Medical equipment	0097 0098 0254 0260 0281 0332
Medical facilities	0281 0435 0436
Medical monitoring	0006 0089 0639 0640 0644 0645 0646 0647 0653 0657 0659
Medical personnel	0097 0098 0123 0175 0254 0260 0281 0332 0386 0435 0436 0536
Medical rescue services	0435 0436
Medical research	0006 0097 0098 0254 0260 0281 0332 0340 0435 0436
Medical surveys	0079 0676
Mental disorders	0049
Mental fatigue	0135
Mental health	0102 0135
Mental illness	0049
Mental stress	0135
Mesothelial cells	0016 0017 0234
Metabolic activation	0152
Metabolic disorders	0320
Metabolic study	0046 0064 0320
Metabolism	0054 0107
Metabolites	0046 0064 0320 0372
Metal compounds	0067 0303 0484 0578 0591
Metal dusts	0009 0067 0095 0174 0207 0262 0303 0311 0671
Metal fumes	0174 0311 0476 0484 0578 0591 0599
Metal industry workers	0095 0578 0591
Metal mining	0099 0428 0445 0448 0453 0469 0559 0581
Metal oxides	0106 0484 0578 0591
Metal poisoning	0095 0311 0484 0600
Metalworking fluids	0003 0663
Metalworking industry	0003 0174 0311 0663 0671
Methane control	0145 0146 0147 0148 0149 0508
Methane drainage	0145 0149 0508
Methanes	0144 0146 0147 0148 0346 0353
Microbiology	0033 0071 0094 0106 0233 0289
Microorganisms	0061 0083 0085 0325 0385 0390 0435 0436 0661 0663 0669 0674
Microscopic analysis	0033 0071 0094 0106 0181 0233 0274 0285 0289 0476 0477 0500 0506 0512 0515 0517 0518 0520 0523 0530 0544 0549 0550 0551 0554 0557 0569 0572 0578 0580 0585 0586 0591 0595 0599
Military personnel	0051 0134
Milling industry	0026
Mine disasters	0027 0078 0137 0160 0240 0403 0421 0429 0434 0456 0457 0466 0480 0481 0508 0553
Mine fires	0078 0165 0166 0353 0403 0421 0429 0457 0466 0489 0508 0564 0581 0584 0596
Mine gases	0146 0147 0353
Mine shafts	0317 0438 0478 0494 0499 0513 0522 0539 0575 0590
Mine workers	0013 0025 0028 0078 0092 0137 0158 0159 0171 0210 0238 0280

Keyword	Citation Number(s)
Mine workers (cont.)	0294 0307 0403 0421 0429 0445 0446 0447 0448 0449 0450 0451 0452 0453 0457 0466 0531 0570
Mineral dusts	0207 0275 0276
Mineral processing	0026 0037 0207 0280 0297 0570
Mining equipment	0024 0036 0041 0100 0158 0236 0238 0239 0264 0271 0272 0273 0294 0313 0469 0472 0479 0485 0487 0490 0519 0546 0555 0556 0558 0560 0561 0567 0577 0594 0597 0602
Mining industry	0024 0026 0027 0028 0035 0036 0037 0041 0059 0078 0099 0100 0137 0144 0145 0146 0147 0149 0158 0159 0160 0164 0165 0166 0171 0188 0199 0200 0210 0236 0238 0239 0240 0264 0270 0271 0272 0273 0275 0280 0291 0294 0309 0312 0313 0315 0316 0317 0346 0353 0391 0403 0421 0422 0423 0428 0429 0430 0431 0434 0437 0438 0445 0446 0447 0448 0449 0450 0451 0452 0453 0456 0457 0466 0468 0469 0472 0473 0478 0479 0480 0481 0485 0487 0489 0490 0494 0495 0499 0501 0508 0509 0510 0513 0519 0521 0522 0527 0528 0529 0531 0532 0534 0537 0538 0539 0540 0546 0548 0553 0555 0556 0558 0559 0560 0561 0564 0567 0568 0570 0575 0577 0579 0581 0582 0583 0584 0590 0592 0594 0596 0597 0602 0603
Mitochondria	0066 0142
Molds	0269 0351 0385 0609 0661 0669 0674
Molecular biology	0071 0094 0111 0116 0142 0351 0362 0364 0484 0486 0488 0502 0589 0600
Molecular structure	0111 0142 0409 0414 0462 0463
Monitoring systems	0055 0185 0188 0313 0532 0579 0592 0654
Morbidity rates	0269
Mortality data	0013 0016 0017 0038 0039 0058 0126 0160 0189 0203 0204 0263 0267 0277 0443 0511
Mortality rates	0013 0016 0017 0039 0058 0189 0203 0204 0215 0234 0277 0287 0443 0511
Mortality surveys	0013 0058 0189 0203 0277 0443
Motion studies	0065 0340
Motor vehicles	0050 0249 0309 0400 0459 0460 0618 0621 0622 0625 0636 0637 0648 0649 0652 0654
Multi-body dynamics	0342
Multi-rate test	0147
Muscle function	0136 0191 0192 0344 0380 0498
Muscle physiology	0136 0191 0192 0337 0340 0344 0380
Muscle stress	0091 0191 0192 0337 0340 0344 0380
Muscle tissue	0341
Musculoskeletal system disorders	0045 0065 0075 0076 0081 0092 0097 0098 0156 0157 0191 0192 0201 0217 0237 0246 0253 0254 0281 0337 0340 0341 0342 0343 0344 0360 0380 0391 0400 0426 0431 0435 0436 0461 0473 0530 0533 0587 0679
Mutagenesis	0284
Mycobacterium tuberculosis	0056
Mycotoxins	0661
Myocardial disorders	0066 0114 0177
Myocardium	0114 0177
N95 respirator	0324
Nanomaterials	0130 0223 0290
Nanoparticle sizer	0185
Nanoparticles	0070 0258 0274

X. Keyword Index

Keyword	Citation Number(s)
Nanotechnology	0006 0033 0040 0070 0071 0082 0106 0119 0130 0155 0167 0168 0172 0177 0185 0197 0223 0226 0233 0244 0251 0257 0268 0274 0279 0282 0286 0289 0290 0327 0339 0361 0363 0384 0398 0408 0409 0414 0431 0462 0463 0473 0486 0488 0493 0500 0502 0512 0515 0520 0523 0530 0535 0544 0545 0549 0550 0551 0554 0557 0566 0569 0572 0574 0578 0580 0585 0586 0589 0591 0600
Nanotoxicology	0040 0286 0290
Nasal cancer	0015
Nasal disorders	0516
Needlestick injuries	0183
Nerve function	0337 0342
Nervous system disorders	0029 0525 0526 0552 0578
Neurobehavioral tests	0162
Neurodegeneration	0029
Neuroinflammation	0005
Neurological diseases	0046
Neurological reactions	0005 0046 0063 0104 0126 0128 0162 0163 0482 0525 0526 0542 0543 0552 0563 0578
Neurological system	0005 0046 0063 0128 0162 0333 0337 0342 0578 0609
Neuropathology	0333 0518 0578
Neuropathy	0578
Neurophysiological effects	0029 0128 0162 0245 0518
Neurophysiology	0046 0128 0194 0525 0526
Neuroprotection	0029 0049
Neurotoxic effects	0005 0029 0046 0049 0063 0194 0518 0563 0578
Neurotoxicity	0194 0563
Neurotoxicology	0063
Neurotransmitters	0162
Neurovascular disorders	0128
Nickel compounds	0067 0303 0611
Nitric oxide	0161
Nitroxides	0142
Noise absorption	0469
Noise analysis	0159 0322 0424 0425
Noise control	0028 0158 0242 0297 0306 0424 0425 0468 0469 0472 0485 0555 0577 0594 0609 0611
Noise exposure	0037 0159 0211 0294 0306 0309 0318 0322 0365 0367 0368 0419 0420 0422 0423 0424 0425 0437 0468 0555 0577 0594 0610 0674
Noise frequencies	0113 0469
Noise induced hearing loss	0028 0037 0084 0158 0159 0211 0225 0242 0294 0304 0305 0306 0309 0318 0365 0368 0424 0425 0431 0468 0469 0472 0473 0485 0555 0594
Noise levels	0028 0113 0159 0297 0424 0425 0555 0594
Noise measurement	0113 0159 0322 0365 0367 0419 0420 0422 0423 0424 0425 0437 0577 0610
Noise pollution	0159 0322 0367
Noise protection	0225 0306
Noise shields	0028 0297 0306 0468 0485
Noise sources	0159 0211 0322 0422 0423 0437 0468 0469 0472 0555 0577 0594 0674
Non-metal mining	0099 0445 0446 0449 0453 0559 0581
Nuclear energy	0124
Nuclear radiation	0124 0347
Nurses	0068 0374 0375 0376 0377 0380 0392 0675

Keyword	Citation Number(s)
Nursing	0068 0097 0098 0254 0281 0332 0392
Nutrition surveys	0042
Obesity	0161
Occupational accidents	0025 0079 0131 0160 0227 0252 0336 0613 0615 0658
Occupational diseases	0038 0143 0170 0234 0276 0311 0357 0362
Occupational exposure	0002 0013 0020 0021 0022 0034 0038 0045 0060 0064 0089 0096 0107 0108 0119 0123 0128 0139 0143 0153 0159 0170 0174 0175 0178 0183 0184 0204 0205 0218 0220 0221 0223 0224 0234 0236 0238 0245 0255 0259 0276 0278 0282 0292 0298 0300 0301 0307 0310 0311 0314 0319 0322 0324 0328 0329 0347 0349 0357 0362 0364 0365 0393 0409 0414 0454 0455 0462 0463 0492 0504 0505 0514 0515 0516 0533 0536 0546 0555 0557 0561 0563 0565 0571 0578 0587 0588 0591 0594 0598
Occupational hazards	0002 0013 0020 0021 0022 0025 0079 0092 0096 0107 0108 0119 0128 0139 0159 0170 0178 0184 0189 0210 0214 0218 0220 0221 0234 0236 0238 0245 0252 0255 0259 0278 0292 0298 0300 0301 0307 0310 0311 0314 0315 0319 0328 0329 0341 0347 0354 0357 0380 0393 0409 0414 0454 0455 0462 0463 0478 0494 0499 0513 0514 0515 0516 0522 0536 0539 0555 0565 0571 0594 0613 0615
Occupational health	0013 0020 0021 0022 0050 0060 0074 0089 0090 0096 0107 0128 0135 0153 0159 0170 0178 0180 0183 0184 0189 0198 0205 0218 0220 0221 0223 0224 0234 0236 0238 0245 0246 0255 0259 0276 0278 0292 0298 0300 0301 0314 0315 0320 0324 0328 0329 0331 0340 0362 0378 0393 0402 0412 0413 0470 0471 0492 0504 0514 0515 0516 0533 0536 0565 0571 0587 0588 0658
Occupational health nursing	0380
Occupational health programs	0096 0160 0224 0255 0314 0398 0402 0409 0414 0611 0655
Occupational psychology	0135 0189
Occupational respiratory disease	0013 0018 0060 0174 0218 0220 0221 0238 0276 0292 0301 0311 0328 0329 0357
Occupational safety programs	0025 0034 0050 0096 0131 0160 0184 0210 0214 0227 0252 0255 0315 0331 0378 0380 0398 0402 0462 0463 0470 0471 0611 0613 0615 0658
Occupational sociology	0020 0096 0278
Office workers	0269
Oil industry	0511
Older workers	0229
Oncogenesis	0139
Optical analysis	0338
Organic chemicals	0086 0111 0112 0178 0504 0671
Organic compounds	0111 0112 0504 0674 0676
Organic dusts	0676
Organic solvents	0284
Organic vapors	0055 0057 0086 0112
Organo chlorine compounds	0563
Organo phosphorus pesticides	0265
Osteogenesis	0344
Oxidation reduction reactions	0054 0572
Oxidative enzymes	0551
Oxidative metabolism	0054 0139 0141 0142 0226 0286 0488 0502 0520 0551 0554 0571 0580
Oxidative processes	0054 0071 0105 0139 0141 0142 0226 0262 0354 0488 0502 0520 0523 0549 0572 0580

X. Keyword Index

Keyword	Citation Number(s)
Ozone	0105
Painters	0202
Paints	0073 0672 0673
Paramedic	0183
Paramedical services	0183
Parkinsonian disorders	0194
Particle aerodynamics	0013 0036 0040 0041 0087 0119 0154 0167 0168 0169 0172 0181 0197 0208 0233 0236 0238 0274 0279 0282 0284 0290 0298 0301 0302 0360 0476 0484 0486 0506 0509 0512 0515 0517 0520 0523 0530 0535 0544 0549 0550 0554 0557 0562 0566 0569 0572 0574 0578 0580 0585 0586 0589 0591 0599 0600
Particle counters	0095 0119 0154 0167 0172 0181 0409 0414 0545
Particulate dust	0006 0009 0011 0013 0036 0040 0041 0071 0080 0087 0094 0095 0106 0108 0119 0168 0172 0177 0233 0236 0238 0257 0268 0282 0284 0289 0290 0298 0301 0302 0361 0396 0397 0404 0405 0406 0407 0408 0409 0414 0476 0484 0486 0509 0517 0523 0530 0535 0545 0546 0549 0550 0562 0566 0569 0572 0574 0589 0599 0600 0669
Particulate sampling methods	0033 0071 0094 0095 0106 0119 0154 0167 0169 0172 0181 0197 0208 0284 0298 0301 0302 0545
Particulates	0004 0006 0033 0036 0071 0094 0095 0106 0119 0151 0154 0155 0167 0168 0172 0181 0186 0197 0208 0233 0236 0238 0241 0244 0257 0268 0274 0282 0289 0290 0298 0361 0396 0397 0404 0405 0406 0407 0408 0409 0414 0462 0463 0476 0484 0486 0500 0506 0512 0515 0517 0520 0523 0530 0544 0545 0546 0549 0550 0551 0554 0557 0566 0569 0572 0578 0580 0585 0586 0589 0591 0599 0600 0609 0664
Pathogenicity	0066 0106 0363 0600
Perceptual disorders	0247
Perfluoroalkyl acids	0069
Peripheral lymph nodes	0052
Permeability	0019 0148
Peroxidase	0141
Peroxidation	0142
Peroxides	0585
Personal protection	0022 0034 0209 0225 0282 0306 0318 0323 0326 0410 0411 0417 0418 0421 0424 0425 0429 0431 0439 0440 0469 0473 0616 0619 0643 0648 0658 0662 0667 0671 0672 0673 0675
Personal protective equipment	0051 0093 0110 0209 0218 0225 0282 0306 0318 0323 0324 0325 0326 0410 0411 0417 0418 0421 0424 0425 0429 0431 0439 0440 0469 0473 0601 0613 0615 0616 0619 0643 0644 0645 0648 0651 0657 0658 0662 0667 0668 0671 0672 0673 0675 0680
Pesticide residues	0034
Pesticides	0034 0064 0127 0265 0266
Pesticides and agricultural chemicals	0034 0064 0127 0265 0266 0563
Phagocytes	0106
Pharmaceutical industry	0554
Phospholipids	0142
Photoelectric cells	0612
Photographers	0683
Physical fitness	0639 0640 0641 0644 0645 0646 0647 0653 0655 0656 0657 0659 0660

Keyword	Citation Number(s)
Physical properties	0409 0414 0462 0463
Physical reactions	0052 0075 0076 0081 0226 0344 0360 0491
Physical stress	0065 0081 0216 0646 0647 0657 0659
Physiological disorders	0069 0237 0646
Physiological effects	0029 0065 0081 0089 0261 0344
Physiological fatigue	0065 0081 0237 0340 0344
Physiological measurements	0065 0140 0237 0261 0289 0340
Physiological response	0065 0069 0081 0140 0237 0261 0289 0295 0319 0340 0344
Physiological stress	0065 0081 0140 0237 0319 0344 0552
Physiological testing	0081 0340 0344
Pilots	0349 0350
Plant dusts	0676
Plastics	0608 0609
Pneumatic equipment	0205
Pneumatic tools	0205 0345 0541 0593
Police officers	0053 0140 0319 0320 0321 0386 0415 0416 0417 0418 0424 0425 0683
Pollutants	0276 0530
Polychlorinated biphenyls	0125 0126 0287
Polycyclic aromatic hydrocarbons	0015
Polymorphism	0042
Postal employees	0604
Postural instability	0243
Printing industry	0178 0668
Prison workers	0611 0678
Protective clothing	0093 0326 0410 0411 0417 0418 0616 0619 0662 0667 0675
Protective coatings	0190
Protective equipment	0051 0093 0110 0132 0227 0249 0282 0306 0318 0324 0326 0410 0411 0417 0418 0421 0424 0425 0429 0439 0440 0469 0601 0613 0615 0616 0619 0648 0658 0662 0667 0668 0671 0675
Protective materials	0326
Protective measures	0020 0021 0022 0132 0184 0190 0214 0224 0282 0324 0410 0411 0613 0615
Protein synthesis	0115
Psychological effects	0045 0102 0198 0231 0245 0321 0367 0552
Psychological factors	0090 0135 0189 0198 0319 0386
Psychological responses	0135 0189 0198 0231 0321 0367
Psychological stress	0102 0135 0216 0319 0383 0386
Psychological testing	0245 0333
Public health	0020 0021 0023 0125 0126 0129 0134 0189 0283
Pulmonary cancer	0016 0017 0169 0170 0193
Pulmonary congestion	0018 0060 0094 0169 0170 0474
Pulmonary disorders	0001 0122 0169 0170 0197 0212 0251 0262 0276 0311 0328 0329 0351 0360 0389 0474 0476 0506 0517 0535 0544 0550 0554 0557 0562 0566 0574 0578 0580 0585 0586 0589 0591 0599 0676
Pulmonary function	0060 0094 0169 0170 0197 0212 0241 0276 0290 0329 0389 0474 0506 0512 0544 0557 0562 0566 0574 0578 0586 0589 0591 0676 0682
Pulmonary function tests	0004 0155 0290 0329 0389 0476 0550 0599 0676
Pulmonary system disorders	0001 0004 0013 0018 0045 0059 0060 0062 0077 0082 0087 0120 0122 0127 0143 0155 0169 0170 0171 0173 0193 0203 0204 0212 0218 0219 0220 0221 0222 0251 0262 0268 0269 0276 0277 0284 0286 0289 0290 0301 0302 0307 0308 0311 0328 0329 0351 0358 0360 0389 0390 0408 0409 0414 0427 0431 0445 0446 0447 0452

X. Keyword Index

Keyword	Citation Number(s)
Pulmonary system disorders (cont.)	0473 0474 0476 0500 0506 0515 0517 0535 0550 0551 0554 0556 0557 0562 0565 0566 0578 0580 0585 0586 0589 0591 0598 0599 0661 0663 0664 0666 0669 0674 0676 0680 0682
Qualitative analysis	0050 0083 0096 0102 0145 0184 0224 0236 0238 0246 0324 0325 0331 0338 0475 0505 0520 0601
Quality control	0184 0324
Quality standards	0236 0238
Quantitative analysis	0032 0046 0052 0063 0086 0105 0112 0128 0154 0187 0322 0328 0333 0477 0491 0493 0494 0522 0542 0572 0595
Quarries	0487
Quartz dust	0275 0298 0396 0397 0404 0405 0406 0407
ROPS	0227 0230
Racial factors	0021 0022 0023 0090 0096 0122 0213 0227 0247 0255 0266 0267 0277 0300 0347 0576 0614
Radiation effects	0331 0347
Radiation exposure	0124 0331 0347 0419 0420
Radiation hazards	0347
Radiation measurement	0124
Radiation monitoring	0419 0420
Radiation sources	0347
Radio waves	0104
Radioactive dusts	0172
Radiofrequency radiation	0104
Radiographic analysis	0087
Radiologists	0374 0375 0376 0377
Reaction rates	0136 0162
Reinforced plastics	0609
Relative humidity	0244 0522
Repetitive work	0065 0081 0191 0192 0237 0340 0344 0391 0679
Reproductive development	0123 0175
Reproductive effects	0334 0415 0416
Reproductive hazards	0415 0416
Reproductive system disorders	0250 0415 0416
Rescue workers	0292 0536
Respirable dust	0004 0041 0071 0082 0087 0094 0106 0171 0204 0236 0238 0251 0268 0275 0276 0286 0290 0292 0396 0397 0404 0405 0406 0407 0408 0409 0414 0487 0490 0546 0556 0561 0605 0606 0607 0666 0669 0672 0673 0676 0677
Respiration	0051 0106 0598
Respirators	0051 0072 0073 0074 0209 0257 0258 0261 0323 0325 0396 0397 0404 0405 0406 0407 0417 0418 0601 0619 0668 0669 0671
Respiratory function tests	0177 0259 0292 0328 0329 0389 0574 0676
Respiratory hypersensitivity	0060 0121 0218 0220 0221 0241 0259 0276 0282 0289 0290 0292 0298 0324 0328 0351 0476 0486 0493 0502 0504 0506 0512 0514 0516 0535 0536 0544 0550 0557 0562 0565 0566 0578 0586 0589 0591 0599
Respiratory infections	0018 0022 0060 0173 0187 0259 0292 0324 0328 0351 0385 0390 0474
Respiratory irritants	0001 0018 0022 0030 0060 0127 0172 0177 0218 0220 0221 0241 0251 0259 0274 0276 0282 0284 0290 0292 0298 0307 0324 0328 0329 0351 0385 0474 0476 0486 0488 0502 0504 0506 0512 0514 0515 0517 0520 0523 0535 0544 0549 0550 0554 0557 0562 0566

Keyword	Citation Number(s)
Respiratory irritants (cont.)	0569 0572 0578 0580 0585 0586 0589 0591 0595 0598 0599 0664 0672 0673 0676 0677
Respiratory neoplasms	0193
Respiratory protection	0041 0072 0073 0074 0218 0261 0307 0396 0397 0404 0405 0406 0407 0417 0418 0601 0619 0668
Respiratory protective equipment	0030 0041 0051 0072 0073 0209 0218 0257 0258 0261 0282 0323 0324 0325 0396 0397 0404 0405 0406 0407 0417 0418 0601 0611 0619 0644 0645 0651 0668 0669 0671 0676
Respiratory system disorders	0001 0015 0016 0017 0018 0026 0056 0059 0060 0061 0062 0077 0082 0087 0120 0121 0122 0127 0143 0171 0173 0177 0187 0193 0203 0204 0218 0219 0220 0221 0222 0241 0251 0268 0269 0276 0277 0286 0290 0292 0299 0307 0308 0328 0329 0351 0352 0358 0362 0385 0389 0390 0408 0409 0414 0427 0431 0445 0446 0447 0452 0473 0474 0476 0486 0493 0502 0506 0514 0515 0516 0517 0520 0523 0535 0536 0549 0550 0554 0556 0562 0565 0566 0569 0572 0580 0585 0589 0595 0598 0599 0661 0663 0664 0666 0669 0674 0676 0677 0680 0682
Retail workers	0035 0053 0216 0217 0253 0330
Retreat mining	0501 0508 0540
Risk analysis	0013 0022 0023 0038 0040 0052 0075 0076 0083 0092 0117 0125 0133 0169 0201 0224 0226 0235 0262 0278 0281 0282 0284 0300 0301 0302 0325 0334 0335 0336 0360 0362 0365 0381 0382 0384 0415 0416 0439 0440 0441 0442 0478 0491 0494 0499 0510 0513 0516 0522 0536 0539 0565 0590 0619
Risk assessment	0265
Risk factors	0018 0020 0021 0022 0030 0034 0038 0040 0042 0065 0083 0089 0092 0106 0126 0131 0133 0140 0156 0157 0183 0208 0210 0218 0220 0221 0224 0226 0245 0248 0254 0260 0262 0274 0288 0289 0292 0300 0332 0349 0362 0365 0367 0368 0382 0415 0416 0478 0482 0493 0494 0499 0505 0506 0512 0516 0520 0523 0536 0543 0544 0549 0557 0565 0569 0578 0591
Road construction	0400 0461 0605 0606 0607
Rock bursts	0495 0590
Rock falls	0195 0312 0313 0478 0494 0495 0499 0521 0522 0540
Rock mechanics	0195 0312 0313 0478 0494 0495 0499 0521 0522 0534 0579
Rollover protective structures	0230
Roofing industry	0184
Room and pillar mining	0099 0313 0478 0494 0499 0501 0510 0513 0522 0539 0540 0575 0590
Rubber workers	0015
Safety belts	0249 0618 0621 0625 0636 0637 0648 0649 0652
Safety climate	0030 0380 0467
Safety education	0025 0097 0098 0184 0218 0220 0221 0227 0229 0252 0254 0281 0282 0330 0332 0380 0434 0457 0613 0615 0655 0658
Safety engineering	0030 0131 0184 0227 0252 0273 0325 0478 0494 0499 0654
Safety equipment	0025 0075 0076 0131 0214 0218 0227 0270 0271 0282 0360 0410 0411 0567 0613 0615 0625 0636 0648 0649 0652
Safety glasses	0110
Safety measures	0025 0030 0050 0110 0117 0131 0184 0189 0214 0218 0220 0221 0227 0229 0252 0260 0273 0282 0298 0315 0330 0409 0414 0434 0457 0462 0463 0478 0494 0499 0510 0513 0516 0522 0539 0583 0590 0613 0615 0618 0623 0626 0650 0655 0658
Safety monitoring	0104 0184 0499 0613 0615
Safety practices	0025 0050 0097 0098 0117 0131 0184 0214 0218 0220 0221 0227

X. Keyword Index

Keyword	Citation Number(s)
Safety practices (cont.)	0229 0252 0254 0281 0282 0330 0332 0380 0399 0409 0410 0411 0414 0434 0457 0462 0463 0467 0478 0494 0499 0513 0516 0522 0539 0583 0613 0615 0618 0622 0623 0625 0626 0636 0642 0643 0646 0648 0649 0650 0652 0654 0655 0658
Safety programs	0117 0131 0184 0214 0218 0227 0229 0252 0314 0330 0409 0414 0462 0463 0467 0513 0613 0615 0658
Safety research	0030 0117 0214 0227 0260 0263 0315 0325 0330 0409 0414 0462 0463 0499
Sampling	0009 0011 0080 0095 0101 0118 0179 0348 0371 0373 0408 0409 0414 0419 0420 0611
Sampling equipment	0179 0408 0409 0414 0419 0420
Sampling methods	0009 0011 0080 0083 0095 0101 0105 0112 0338 0348 0369 0371 0372 0408 0409 0414 0612
Sand and gravel mines	0445 0446 0451 0453
Sand blasting	0218 0220 0221 0222
Sanitation engineering	0324
Scaffolds	0263
Scuba divers	0641
Self-contained breathing apparatus	0619 0643 0644 0645 0651
Sensors	0188
Sensory motor system	0161
Service industries	0035
Sewage industry	0464 0465
Sex factors	0051 0131 0135 0266 0296 0321 0347 0415 0416
Sexual reproduction	0415 0416
Shift workers	0320 0322 0331
Silica dusts	0041 0059 0073 0218 0219 0220 0221 0222 0275 0276 0298 0396 0397 0400 0404 0405 0406 0407 0556 0558 0605 0606 0607 0677
Silicate miners	0059
Silicosis	0190 0218 0219 0220 0221 0222 0275 0277 0445 0450
Simulation methods	0024 0240 0353 0430 0496 0533 0553
Skeletal disorders	0524 0530
Skeletal movement	0156 0157 0288
Skeletal stress	0091 0341
Skeletal system disorders	0156 0157 0341 0524 0530
Skin absorption	0052 0067 0088 0226 0303 0491 0549
Skin cancer	0285 0347 0675
Skin disorders	0003 0226 0433 0505 0571 0573 0666 0675 0676
Skin irritants	0003 0088 0226 0433 0441 0442 0475 0505 0549 0571 0573 0666 0675 0676 0680
Skin lesions	0433 0675
Skin sensitivity	0019 0052 0067 0088 0226 0303 0491 0505 0571 0573
Skin tests	0019 0061 0573
Sleep deprivation	0293 0320 0331
Sleep disorders	0135 0293 0320 0552
Small businesses	0039 0215 0232 0330 0431 0441 0442 0473
Sociological factors	0023 0090 0096 0189 0198 0247 0300
Soldering alloys	0674
Solvent vapors	0086 0123 0175 0400 0668 0671
Solvents	0046 0073 0089 0123 0175 0284 0400 0668 0671
Sound analyzers	0113 0159 0422 0423 0437
Sound attenuation	0028 0297 0469 0472
Soundproofing	0424 0425

Keyword	Citation Number(s)
Spectrographic analysis	0338
Spinal shock	0091
Spirometry	0143 0292 0328 0389 0676 0680 0682
Spleen disorders	0052 0491
Spontaneous combustion	0353 0596
Sports medicine	0415 0416
Statistical analysis	0007 0026 0030 0034 0038 0039 0042 0045 0058 0059 0060 0064 0066 0072 0077 0079 0083 0086 0088 0089 0092 0105 0106 0118 0119 0122 0123 0125 0126 0127 0128 0131 0135 0140 0145 0154 0163 0169 0170 0171 0172 0173 0174 0175 0176 0180 0181 0183 0187 0189 0191 0192 0195 0196 0197 0198 0203 0206 0208 0210 0212 0227 0229 0230 0232 0234 0235 0237 0241 0243 0245 0246 0247 0248 0250 0256 0259 0262 0267 0269 0274 0276 0277 0278 0280 0283 0284 0285 0287 0288 0293 0298 0301 0308 0309 0310 0311 0314 0319 0320 0322 0325 0328 0329 0330 0334 0335 0336 0337 0338 0341 0344 0347 0349 0357 0365 0367 0368 0374 0376 0377 0380 0387 0391 0401 0410 0411 0435 0436 0443 0445 0446 0447 0448 0449 0450 0451 0452 0453 0464 0465 0474 0476 0477 0484 0488 0493 0500 0502 0505 0511 0512 0517 0518 0520 0530 0535 0544 0547 0550 0551 0554 0557 0562 0563 0566 0569 0570 0572 0574 0578 0580 0585 0586 0589 0591 0595 0598 0599 0600 0610 0662
Statistical quality control	0030 0212 0335 0338
Stilts	0341
Stone mines	0028 0445 0446 0450 0453 0499 0575
Straight fiber	0168
Stress	0029 0135 0216 0247 0319 0320 0383 0386 0426
Structural analysis	0288 0510 0590
Styrenes	0608 0609
Substance abuse	0135 0636
Suicide	0321
Sulfur compounds	0604
Sun screening agents	0675
Surface mining	0041 0238 0315 0445 0446 0447 0487 0558
Surface properties	0009 0083 0095 0105 0119 0260 0268 0288 0289 0295 0302
Surveillance programs	0002 0013 0176 0203 0227 0228 0229 0237 0263 0376 0377 0398 0408 0409 0410 0411 0414 0427 0443 0454 0455 0678
TB	0056
Temperature effects	0057 0095 0522
Tin compounds	0674
Tinnitus	0368
Tissue culture	0482 0512 0544 0557 0578 0591
Tissue distribution	0006
Tissue implants	0482
Tobacco constituents	0202
Tobacco smoke	0202 0232 0664
Toluenes	0073
Toxic effects	0030 0033 0040 0046 0047 0071 0094 0104 0106 0139 0194 0251 0284 0285 0289 0290 0327 0334 0361 0362 0364 0381 0477 0484 0505 0506 0512 0516 0518 0520 0536 0543 0549 0554 0557 0565 0571 0578 0580 0585 0591 0600
Toxic gases	0057
Toxic materials	0033 0040 0071 0094 0106 0208 0289 0536

X. Keyword Index

Keyword	Citation Number(s)
Toxic vapors	0030 0057 0208
Toxicology	0104 0251 0334 0364
Toxicopathology	0046 0071 0361 0362 0363 0364 0381 0477 0518 0585
Transportation industry	0035 0199 0464 0465 0507
Transportation workers	0199 0336 0507
Traumatic injuries	0039 0078 0176 0213 0215 0228 0229 0249 0263 0330 0394 0395 0399 0410 0411 0431 0443 0444 0445 0473 0511 0613 0614 0615 0616 0617 0618 0620 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0642 0643 0648 0649 0650 0651 0652 0654 0658
Triphenylphosphonium	0142
Truck drivers	0028 0336 0507 0618
Tuberculosis	0056
Tumor inhibition	0285
Tumorigens	0256
Tungsten compounds	0067 0207 0303
Tungsten minerals	0207
Tungsten ore	0207
Ultraviolet light	0390 0675
Ultraviolet radiation	0390 0675
Underground miners	0025 0137 0158 0160 0270 0294 0403 0422 0423 0437 0445 0446 0447 0457 0466
Underground mining	0025 0027 0028 0036 0078 0099 0100 0137 0144 0145 0146 0147 0149 0158 0160 0164 0165 0166 0188 0200 0240 0270 0271 0272 0273 0275 0291 0294 0312 0313 0316 0317 0346 0353 0421 0428 0429 0430 0434 0438 0445 0446 0447 0448 0452 0456 0457 0466 0469 0478 0479 0480 0481 0485 0489 0490 0494 0495 0499 0501 0508 0509 0510 0513 0519 0521 0522 0527 0528 0529 0531 0532 0534 0537 0538 0539 0540 0546 0548 0553 0555 0556 0559 0560 0561 0564 0567 0568 0575 0579 0581 0582 0583 0584 0590 0592 0594 0596 0597 0602 0603
Uranium mining	0059
Urinalysis	0046 0107 0150 0477
Urine chemistry	0107 0247 0477
Vaccines	0022 0031 0300 0356
Vapor detectors	0212
Vapors	0030 0073 0212 0506
Variance ratio	0310
Vasomotor system disorders	0161
Ventilation equipment	0041 0218 0236 0238 0307 0354 0396 0397 0404 0405 0406 0407 0487 0559 0604
Ventilation systems	0030 0056 0099 0100 0138 0144 0147 0178 0218 0236 0238 0269 0299 0307 0317 0353 0354 0390 0396 0397 0404 0405 0406 0407 0487 0490 0519 0546 0559 0561 0592 0597 0666 0667 0668 0670 0671 0676 0683
Vibration control	0075 0076 0133
Vibration disease	0128 0205 0388 0525 0526
Vibration effects	0075 0076 0128 0133 0159 0161 0205 0343 0345 0524 0525 0526 0541 0593 0594
Vibration exposure	0075 0076 0128 0133 0161 0205 0343 0345 0388 0497 0524 0525 0526 0541 0593
Vibration monitors	0075 0076

Keyword	Citation Number(s)
Vibration suppressors	0075 0076
Viral diseases	0022 0032 0083 0085 0187 0258 0300 0325 0392
Viral infections	0022 0032 0083 0085 0187 0300 0325 0392
Viscoelasticity	0343
Visual aids	0273 0288
Visual fields	0272 0273 0560
Visual motor performance	0288
Visual perception	0272 0560
Volatiles	0674
Warehousing	0217 0253 0431 0464 0465 0473 0670
Water industry	0464 0465
Water purification	0186 0299
Weight measurement	0336
Welders lung	0174 0476 0599
Welding industry	0004 0005 0151 0174 0357 0476 0599
Woodworking industry	0309 0671
Work analysis	0022 0045 0050 0079 0092 0096 0107 0117 0128 0135 0140 0184 0189 0191 0192 0205 0214 0246 0259 0278 0300 0310 0314 0319 0324 0328 0331 0336 0341 0345 0380 0435 0436 0541 0593 0613 0615
Work environment	0002 0011 0013 0020 0021 0022 0023 0025 0036 0038 0040 0045 0046 0050 0059 0060 0064 0068 0079 0080 0086 0092 0095 0096 0107 0117 0123 0126 0147 0153 0159 0175 0183 0184 0189 0191 0192 0198 0208 0210 0212 0214 0218 0220 0221 0226 0231 0234 0236 0238 0246 0252 0255 0259 0274 0278 0282 0290 0300 0301 0310 0311 0314 0315 0322 0328 0329 0330 0331 0336 0341 0347 0362 0400 0409 0414 0424 0425 0432 0435 0436 0478 0494 0499 0504 0505 0510 0513 0514 0519 0522 0539 0546 0561 0569 0572 0575 0590 0597
Work intervals	0345 0541 0593
Work operations	0020 0021 0022 0023 0025 0031 0045 0050 0092 0096 0107 0117 0183 0184 0191 0192 0205 0210 0218 0220 0221 0229 0243 0245 0252 0278 0300 0314 0336 0347 0380 0432 0435 0436 0513 0613 0615 0668
Work organization	0007 0050 0068 0189 0246 0278 0383 0431 0473
Work performance	0025 0038 0045 0050 0060 0079 0109 0128 0140 0157 0159 0191 0192 0205 0231 0245 0246 0252 0254 0319 0332 0336 0341 0345 0380 0435 0436 0513 0541 0593 0613 0615
Work practices	0007 0021 0022 0023 0025 0038 0045 0050 0060 0068 0073 0074 0092 0096 0107 0117 0128 0140 0157 0159 0180 0183 0184 0191 0192 0201 0205 0210 0214 0218 0220 0221 0234 0236 0238 0243 0245 0246 0248 0252 0254 0255 0259 0278 0282 0288 0300 0310 0311 0314 0319 0322 0324 0331 0332 0336 0341 0345 0362 0380 0396 0397 0400 0404 0405 0406 0407 0409 0414 0432 0435 0436 0470 0471 0479 0513 0541 0593 0613 0615 0618 0622 0642 0643 0662 0668 0671
Worker health	0002 0020 0021 0022 0023 0025 0038 0040 0046 0050 0060 0089 0092 0096 0107 0126 0135 0143 0153 0159 0178 0189 0191 0192 0198 0212 0214 0236 0238 0245 0246 0255 0259 0278 0290 0300 0311 0314 0328 0329 0331 0341 0347 0362 0402 0409 0414 0435 0436 0462 0463 0492 0533 0587 0588
Worker motivation	0022 0025 0050 0184 0205 0246 0252 0282 0300 0330 0432
Workplace monitoring	0159 0183 0184 0191 0192 0212 0214 0218 0220 0221 0282 0478 0494 0499

X. Keyword Index

Keyword	Citation Number(s)
Workplace studies	0007 0011 0013 0020 0022 0023 0025 0031 0038 0046 0050 0080 0092 0094 0095 0096 0107 0108 0109 0117 0118 0123 0126 0128 0135 0153 0159 0174 0175 0183 0184 0189 0191 0192 0198 0205 0208 0212 0214 0218 0220 0221 0229 0231 0236 0238 0243 0245 0246 0248 0252 0254 0259 0274 0278 0279 0282 0288 0290 0300 0301 0310 0314 0324 0328 0329 0330 0331 0332 0345 0347 0362 0380 0435 0436 0478 0494 0499 0504 0505 0513 0514 0519 0522 0539 0541 0546 0561 0569 0572 0593 0597
X-ray analysis	0427
X-ray diagnosis	0087
X-ray equipment	0087
Zinc-compounds	0115

XI. NATIONAL OCCUPATIONAL RESEARCH AGENDA (NORA) INDEX

Topic	Citation Number(s)
Sector Programs	
Agriculture, Forestry and Fishing	0034 0064 0084 0102 0127 0176 0206 0227 0228 0229 0230 0265 0266 0295 0296 0399 0401 0424 0542
Construction	0003 0004 0005 0039 0063 0072 0073 0074 0076 0113 0131 0179 0180 0184 0205 0210 0213 0215 0243 0245 0252 0263 0288 0306 0315 0344 0361 0362 0388 0396 0397 0404 0405 0406 0407 0439 0440 0475 0476 0496 0580 0589 0599 0613 0614 0615 0616
Healthcare and Social Assistance	0013 0020 0031 0046 0069 0085 0096 0117 0175 0194 0246 0323 0324 0325 0356 0372 0374 0375 0376 0377 0381 0392 0426 0435 0436 0439 0440 0474 0477 0504 0514 0516 0565 0598 0666
Manufacturing	0001 0002 0003 0004 0005 0006 0019 0030 0031 0033 0034 0040 0042 0043 0044 0047 0048 0054 0066 0068 0070 0083 0088 0094 0106 0116 0118 0119 0123 0126 0128 0133 0151 0155 0161 0167 0169 0170 0171 0172 0174 0177 0179 0181 0185 0186 0193 0197 0202 0206 0208 0211 0212 0218 0219 0220 0221 0222 0233 0248 0256 0266 0279 0285 0287 0289 0290 0295 0306 0311 0314 0318 0322 0327 0338 0339 0350 0351 0359 0361 0362 0363 0368 0379 0384 0409 0419 0420 0424 0425 0462 0463 0475 0476 0484 0486 0488 0493 0500 0502 0506 0512 0515 0520 0523 0524 0525 0526 0530 0544 0545 0549 0550 0551 0557 0562 0566 0569 0572 0574 0576 0578 0580 0585 0589 0591 0599 0605 0606 0607 0608 0609 0666 0676
Mining	0027 0028 0036 0037 0041 0043 0044 0047 0048 0078 0091 0092 0100 0137 0144 0145 0146 0148 0149 0159 0160 0164 0169 0170 0171 0193 0195 0199 0200 0210 0218 0219 0220 0221 0222 0236 0238 0239 0240 0241 0244 0264 0270 0271 0272 0273 0275 0280 0284 0291 0294 0297 0307 0312 0313 0315 0316 0317 0346 0359 0366 0403 0404 0405 0406 0407 0421 0422 0423 0427 0428 0429 0430 0434 0437 0438 0445 0446 0447 0448 0449 0450 0451 0452 0453 0456 0457 0466 0468 0472 0478 0479 0480 0485 0487 0489 0490 0494 0495 0499 0501 0503 0508 0509 0510 0511 0513 0519 0522 0527 0528 0529 0531 0534 0537 0538 0539 0546 0553 0555 0556 0558 0559 0560 0564 0567 0568 0570 0575 0577 0579 0581 0582 0583 0584 0590 0592 0594 0602 0603
Oil and Gas Extraction	0511
Public Safety	0140 0249 0293 0319 0320 0321 0386 0392 0394 0395 0444 0459 0460 0617 0618 0619 0620 0621 0622 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660
Services	0019 0046 0052 0053 0069 0086 0088 0101 0105 0111 0112 0140 0170 0171 0173 0211 0249 0259 0269 0276 0292 0293 0309 0318 0319 0320 0321 0356 0368 0372 0381 0382 0385 0386 0392 0394 0395 0444 0459 0460 0467 0470 0471 0477 0491 0504 0514 0554 0565 0598 0617 0618 0619 0620 0621 0622 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660
Transportation, Warehousing and Utilities	0030 0050 0053 0131 0252 0288 0331 0349 0350 0360 0464 0465 0507 0604
Wholesale and Retail Trade	0216 0217 0253 0464 0465 0467 0492 0588



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