# Kent E Pinkerton

List of Publications by Year
in descending order



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|---|---|---|---|
| 112 papers | 5,627 citations | 71102 41 h-index | 85541 71 g-index |
| 114 all docs | 114 docs citations | 114 times ranked | 8541 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Neutrophil extracellular traps produced during inflammation awaken dormant cancer cells in mice. Science, 2018, 361, . | 12.6 | 893 |
| 2 | Pulmonary health effects of air pollution. Current Opinion in Pulmonary Medicine, 2016, 22, 138-143. | 2.6 | 313 |
| 3 | Use of Coated Silver Nanoparticles to Understand the Relationship of Particle Dissolution and Bioavailability to Cell and Lung Toxicological Potential. Small, 2014, 10, 385-398. | 10.0 | 242 |
| 4 | Sidestream Cigarette Smoke Generation and Exposure System for Environmental Tobacco Smoke Studies. Inhalation Toxicology, 1994, 6, 79-93. | 1.6 | 162 |
| 5 | Attenuation of tobacco smoke-induced lung inflammation by treatment with a soluble epoxide hydrolase inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2186-2191. | 7.1 | 161 |
| 6 | Interlaboratory Evaluation of Rodent Pulmonary Responses to Engineered Nanomaterials: The NIEHS Nano GO Consortium. Environmental Health Perspectives, 2013, 121, 676-682. | 6.0 | 121 |
| 7 | Outdoor Air Pollution and New-Onset Airway Disease. An Official American Thoracic Society Workshop Report. Annals of the American Thoracic Society, 2020, 17, 387-398. | 3.2 | 120 |
| 8 | INFLUENCE OF AIR POLLUTION ON RESPIRATORY HEALTH DURING PERINATAL DEVELOPMENT. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 269-272. | 1.9 | 117 |
| 9 | Nanoparticles, Lung Injury, and the Role of Oxidant Stress. Annual Review of Physiology, 2014, 76, 447-465. | 13.1 | 114 |
| 10 | Inhibition of tobacco smoke-induced lung inflammation by a catalytic antioxidant 1 11The research described in this article has been reviewed by the National Health and Environmental Effects Research Laboratory, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and the policies of the Agency nor does mention of trade names or commercial products constitute endorsement or recommendation for use.. Free Radical Biology and Medicine, 2002, 33, 1106-1114. | 2.9 | 110 |
| 11 | Women and Lung Disease. Sex Differences and Global Health Disparities. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 11-16. | 5.6 | 110 |
| 12 | Air pollutant effects on fetal and early postnatal development. Birth Defects Research Part C: Embryo Today Reviews, 2007, 81, 144-154. | 3.6 | 99 |
| 13 | Repeated episodes of ozone inhalation amplifies the effects of allergen sensitization and inhalation on airway immune and structural development in Rhesus monkeys. Toxicology and Applied Pharmacology, 2003, 191, 74-85. | 2.8 | 95 |
| 14 | Oxidative stress and NFÎºB activation in the lungs of rats: a synergistic interaction between soot and iron particles. Toxicology and Applied Pharmacology, 2003, 190, 157-169. | 2.8 | 91 |
| 15 | Influence of Particle Size on Persistence and Clearance of Aerosolized Silver Nanoparticles in the Rat Lung. Toxicological Sciences, 2015, 144, 366-381. | 3.1 | 83 |
| 16 | MAPK/AP-1 signal pathway in tobacco smoke-induced cell proliferation and squamous metaplasia in the lungs of rats. Carcinogenesis, 2005, 26, 2187-2195. | 2.8 | 82 |
| 17 | Air Pollution and Lymphocyte Phenotype Proportions in Cord Blood. Environmental Health Perspectives, 2005, 113, 1391-1398. | 6.0 | 78 |
| 18 | Detrimental effects of tobacco smoke exposure during development on postnatal lung function and asthma. Birth Defects Research Part C: Embryo Today Reviews, 2008, 84, 54-60. | 3.6 | 76 |

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|---|---|---|---|
| 19 | Nose-to-brain transport of aerosolised quantum dots following acute exposure. Nanotoxicology, 2014, 8, 885-893. | 3.0 | 75 |
| 20 | Pneumoconiosis from Agricultural Dust Exposure among Young California Farmworkers. Environmental Health Perspectives, 2009, 117, 988-994. | 6.0 | 74 |
| 21 | Asthma/Allergic Airways Disease: Does Postnatal Exposure to Environmental Toxicants Promote Airway Pathobiology?. Toxicologic Pathology, 2007, 35, 97-110. | 1.8 | 67 |
| 22 | Ambient particulate matter activates the aryl hydrocarbon receptor in dendritic cells and enhances Th17 polarization. Toxicology Letters, 2018, 292, 85-96. | 0.8 | 67 |
| 23 | Biological Response to Nano-Scale Titanium Dioxide (TiO<sub>2</sub>): Role of Particle Dose, Shape, and Retention. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 953-972. | 2.3 | 64 |
| 24 | Instillation versus Inhalation of Multiwalled Carbon Nanotubes: Exposure-Related Health Effects, Clearance, and the Role of Particle Characteristics. ACS Nano, 2014, 8, 8911-8931. | 14.6 | 64 |
| 25 | Consistent Pulmonary and Systemic Responses from Inhalation of Fine Concentrated Ambient Particles: Roles of Rat Strains Used and Physicochemical Properties. Environmental Health Perspectives, 2005, 113, 1561-1568. | 6.0 | 58 |
| 26 | Acute Pulmonary and Systemic Effects of Inhaled Coal Fly Ash in Rats: Comparison to Ambient Environmental Particles. Toxicological Sciences, 2006, 93, 390-399. | 3.1 | 55 |
| 27 | Pulmonary responses of acute exposure to ultrafine iron particles in healthy adult rats. Environmental Toxicology, 2003, 18, 227-235. | 4.0 | 54 |
| 28 | Biological Dose Response to PM2.5: Effect of Particle Extraction Method on Platelet and Lung Responses. Toxicological Sciences, 2015, 143, 349-359. | 3.1 | 53 |
| 29 | Repression of CC16 by Cigarette Smoke (CS) Exposure. PLoS ONE, 2015, 10, e0116159. | 2.5 | 52 |
| 30 | Pulmonary Effects of Silver Nanoparticle Size, Coating, and Dose over Time upon Intratracheal Instillation. Toxicological Sciences, 2015, 144, 151-162. | 3.1 | 51 |
| 31 | Fine particulate matter (PM<sub>2.5</sub>) enhances allergic sensitization in BALB/cmice. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 197-207. | 2.3 | 51 |
| 32 | Nonhuman Primate Models of Respiratory Disease: Past, Present, and Future. ILAR Journal, 2017, 58, 269-280. | 1.8 | 51 |
| 33 | Effects of Environmental Tobacco Smoke Exposure in Utero and/or Postnatally on Brain Development1. Pediatric Research, 1996, 39, 494-498. | 2.3 | 51 |
| 34 | Repeated Ironâ€“Soot Exposure and Nose-to-brain Transport of Inhaled Ultrafine Particles. Toxicologic Pathology, 2018, 46, 75-84. | 1.8 | 50 |
| 35 | Persistence of silver nanoparticles in the rat lung: Influence of dose, size, and chemical composition. Nanotoxicology, 2015, 9, 591-602. | 3.0 | 48 |
| 36 | Perinatal Exposure to Aged and Diluted Sidestream Cigarette Smoke Produces Airway Hyperresponsiveness in Older Rats. Toxicology and Applied Pharmacology, 1999, 155, 253-260. | 2.8 | 47 |

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|---|---|---|---|
| 37 | The Effect of Cigarette Smoke Exposure on Pulmonary Metastatic Disease in a Murine Model of Metastatic Breast Cancer. Chest, 2004, 125, 1467-1471. | 0.8 | 46 |
| 38 | Size-Dependent Deposition, Translocation, and Microglial Activation of Inhaled Silver Nanoparticles in the Rodent Nose and Brain. Environmental Health Perspectives, 2016, 124, 1870-1875. | 6.0 | 46 |
| 39 | Use of a Soluble Epoxide Hydrolase Inhibitor in Smoke-Induced Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 614-622. | 2.9 | 45 |
| 40 | US EPA particulate matter research centers: summary of research results for 2005â€“2011. Air Quality, Atmosphere and Health, 2013, 6, 333-355. | 3.3 | 45 |
| 41 | Airborne particles of the california central valley alter the lungs of healthy adult rats.. Environmental Health Perspectives, 2003, 111, 902-908. | 6.0 | 41 |
| 42 | Perinatal environmental tobacco smoke exposure alters the immune response and airway innervation in infant primates. Journal of Allergy and Clinical Immunology, 2008, 122, 640-647.e1. | 2.9 | 41 |
| 43 | Simvastatin inhibits smoke-induced airway epithelial injury: implications for COPD therapy. European Respiratory Journal, 2013, 42, 350-361. | 6.7 | 41 |
| 44 | Effects of environmental tobacco smoke exposure on pulmonary immune response in infant monkeys. Journal of Allergy and Clinical Immunology, 2008, 122, 400-406.e5. | 2.9 | 40 |
| 45 | The Mammalian Respiratory System and Critical Windows of Exposure for Children's Health. Environmental Health Perspectives, 2000, 108, 457. | 6.0 | 39 |
| 46 | Allergic Airway Inflammation is Differentially Exacerbated by Daytime and Nighttime Ultrafine and Submicron Fine Ambient Particles: Heme Oxygenase-1 as an Indicator of PM-Mediated Allergic Inflammation. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 254-266. | 2.3 | 39 |
| 47 | NF-Î°B inhibition is involved in tobacco smoke-induced apoptosis in the lungs of rats. Toxicology and Applied Pharmacology, 2008, 230, 150-158. | 2.8 | 38 |
| 48 | Short versus long silver nanowires: a comparison of in vivo pulmonary effects post instillation. Particle and Fibre Toxicology, 2014, 11, 52. | 6.2 | 37 |
| 49 | Synthesis of an Ultrafine Iron and Soot Aerosol for the Evaluation of Particle Toxicity. Aerosol Science and Technology, 2001, 35, 759-766. | 3.1 | 36 |
| 50 | Characterisation of the proximal airway squamous metaplasia induced by chronic tobacco smoke exposure in spontaneously hypertensive rats. Respiratory Research, 2009, 10, 118. | 3.6 | 35 |
| 51 | Differential pulmonary effects of wintertime California and China particulate matter in healthy young mice. Toxicology Letters, 2017, 278, 1-8. | 0.8 | 35 |
| 52 | Reduced Lung Cell Proliferation Following Short-Term Exposure to Ultrafine Soot and Iron Particles in Neonatal Rats: Key to Impaired Lung Growth?. Inhalation Toxicology, 2004, 16, 73-81. | 1.6 | 34 |
| 53 | Prenatal environmental tobacco smoke exposure increases allergic asthma risk with methylation changes in mice. Environmental and Molecular Mutagenesis, 2017, 58, 423-433. | 2.2 | 32 |
| 54 | Susceptibility of the Aging Lung to Environmental Injury. Seminars in Respiratory and Critical Care Medicine, 2010, 31, 539-553. | 2.1 | 31 |

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| 55 | InÂvitro and inÂvivo toxicity of urban and rural particulate matter from California. Atmospheric Environment, 2015, 103, 256-262. | 4.1 | 31 |
| 56 | TH17-Induced Neutrophils Enhance the Pulmonary Allergic Response Following BALB/c Exposure to House Dust Mite Allergen and Fine Particulate Matter From California and China. Toxicological Sciences, 2018, 164, 627-643. | 3.1 | 31 |
| 57 | Evolution of Silver Nanoparticles in the Rat Lung Investigated by X-ray Absorption Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 281-289. | 2.5 | 30 |
| 58 | Aerosol droplet delivery of mesoporous silica nanoparticles: A strategy for respiratory-based therapeutics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1377-1385. | 3.3 | 30 |
| 59 | Effects of environmental tobacco smoke on the developing immune system of infant monkeys. Journal of Allergy and Clinical Immunology, 2007, 120, 445-451. | 2.9 | 29 |
| 60 | Aerosolized Silver Nanoparticles in the Rat Lung and Pulmonary Responses over Time. Toxicologic Pathology, 2016, 44, 673-686. | 1.8 | 29 |
| 61 | Effects of sidestream smoke exposure and age on pulmonary function and airway reactivity in developing rats. Pediatric Pulmonology, 1993, 16, 281-288. | 2.0 | 28 |
| 62 | Alterations in DNA methylation and airway hyperreactivity in response toin uteroexposure to environmental tobacco smoke. Inhalation Toxicology, 2015, 27, 724-730. | 1.6 | 28 |
| 63 | Lung Tumor Response in Strain a Mice Exposed to Tobacco Smoke: Some Dose-Effect Relationships. Inhalation Toxicology, 2004, 16, 27-32. | 1.6 | 27 |
| 64 | Oxidative Injury in The Lungs of Neonatal Rats Following Short-Term Exposure to Ultrafine Iron and Soot Particles. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 837-847. | 2.3 | 27 |
| 65 | Leukocytes Are Recruited through the Bronchial Circulation to the Lung in a Spontaneously Hypertensive Rat Model of COPD. PLoS ONE, 2012, 7, e33304. | 2.5 | 27 |
| 66 | Alveolar Macrophage Recruitment and Activation by Chronic Second Hand Smoke Exposure in Mice. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2009, 6, 86-94. | 1.6 | 25 |
| 67 | MARCKS cooperates with NKAP to activate NF-kB signaling in smoke-related lung cancer. Theranostics, 2021, 11, 4122-4136. | 10.0 | 25 |
| 68 | Pulmonary inflammatory effects of source-oriented particulate matter from California's San Joaquin Valley. Atmospheric Environment, 2015, 119, 174-181. | 4.1 | 24 |
| 69 | Ambient particulate matter enhances the pulmonary allergic immune response to house dust mite in a BALB/c mouse model by augmenting Th2- and Th17-immune responses. Physiological Reports, 2018, 6, e13827. | 1.7 | 24 |
| 70 | Alveolar Type II Cell Responses to Chronic Inhalation of Chrysotile Asbestos in Rats. American Journal of Respiratory Cell and Molecular Biology, 1990, 3, 543-552. | 2.9 | 21 |
| 71 | Aerosolized fluorescent microspheres detected in the lung using confocal scanning laser microscopy. Microscopy Research and Technique, 1993, 26, 437-443. | 2.2 | 21 |
| 72 | In Vitro Exposure Systems and Dosimetry Assessment Tools for Inhaled Tobacco Products: Workshop Proceedings, Conclusions and Paths Forward for In Vitro Model Use. ATLA Alternatives To Laboratory Animals, 2017, 45, 117-158. | 1.0 | 21 |

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|---|---|---|---|
| 73 | Respiratory Health Effects of Exposure to Ambient Particulate Matter and Bioaerosols. , 2019, 10, 1-20. | | 21 |
| 74 | The clear and persistent impact of air pollution on chronic respiratory diseases: a call for interventions. European Respiratory Journal, 2021, 57, 2002981. | 6.7 | 21 |
| 75 | Effect of in utero and postnatal exposure to environmental tobacco smoke on the developmental expression of pulmonary cytochrome P450 monooxygenases. , 2000, 14, 121-130. | | 18 |
| 76 | Single-Cell Mechanics Provides an Effective Means To Probe in Vivo Interactions between Alveolar Macrophages and Silver Nanoparticles. Journal of Physical Chemistry B, 2015, 119, 15118-15129. | 2.6 | 18 |
| 77 | Influence of Season and Location on Pulmonary Response to California's San Joaquin Valley Airborne Particulate Matter. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 253-271. | 2.3 | 17 |
| 78 | Sex and strain-based inflammatory response to repeated tobacco smoke exposure in spontaneously hypertensive and Wistar Kyoto rats. Inhalation Toxicology, 2016, 28, 677-685. | 1.6 | 17 |
| 79 | Prenatal tobacco smoke exposure predisposes offspring mice to exacerbated allergic airway inflammation associated with altered innate effector function. Particle and Fibre Toxicology, 2017, 14, 30. | 6.2 | 17 |
| 80 | Acute Tobacco Smoke-Induced Airways Inflammation in Spontaneously Hypertensive Rats. Inhalation Toxicology, 2008, 20, 623-633. | 1.6 | 16 |
| 81 | Soot and house dust mite allergen cause eosinophilic laryngitis in an animal model. Laryngoscope, 2016, 126, 108-112. | 2.0 | 16 |
| 82 | Perinatal exposure to environmental tobacco smoke is associated with changes in DNA methylation that precede the adult onset of lung disease in a mouse model. Inhalation Toxicology, 2017, 29, 435-442. | 1.6 | 16 |
| 83 | Investigating the Effects of Particulate Matter on House Dust Mite and Ovalbumin Allergic Airway Inflammation in Mice. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2016, 68, 18.18.1-18.18.18. | 1.1 | 15 |
| 84 | Temporal and Spatial Expression of Transforming Growth Factor-Î² after Airway Remodeling to Tobacco Smoke in Rats. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 872-881. | 2.9 | 14 |
| 85 | Quantitative Histology and Cytochrome P-450 Immunocytochemistry of the Lung Parenchyma Following 6 Months of Exposure of Strain A/J Mice to Cigarette Sidestream Smoke. Inhalation Toxicology, 1996, 8, 927-945. | 1.6 | 12 |
| 86 | Perinatal Exposure to Environmental Tobacco Smoke (ETS) Enhances Susceptibility to Viral and Secondary Bacterial Infections. International Journal of Environmental Research and Public Health, 2012, 9, 3954-3964. | 2.6 | 12 |
| 87 | Early life exposure to environmental tobacco smoke alters immune response to asbestos via a shift in inflammatory phenotype resulting in increased disease development. Inhalation Toxicology, 2016, 28, 349-356. | 1.6 | 12 |
| 88 | In vivo and in vitro inflammatory responses to fine particulate matter (PM2.5) from China and California. Toxicology Letters, 2020, 328, 52-60. | 0.8 | 12 |
| 89 | Effect of Perinatal secondhand tobacco smoke exposure on in vivo and intrinsic airway structure/function in non-human primates. Toxicology and Applied Pharmacology, 2009, 234, 339-344. | 2.8 | 10 |
| 90 | Identifying a reference list of respiratory sensitizers for the evaluation of novel approaches to study respiratory sensitization. Critical Reviews in Toxicology, 2021, 51, 792-804. | 3.9 | 10 |

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| 91 | Maternal and Neonatal Exposure to Environmental Tobacco Smoke Targets Pro-Inflammatory Genes in Neonatal Arteries. Journal of Cardiovascular Translational Research, 2010, 3, 696-703. | 2.4 | 9 |
| 92 | Mechanisms of particulate matter toxicity in neonatal and young adult rat lungs. Research Report (health Effects Institute), 2008, , 3-41; discussion 43-52. | 1.6 | 9 |
| 93 | Metallic Engineered Nanomaterials and Ocular Toxicity: A Current Perspective. Pharmaceutics, 2022, 14, 981. | 4.5 | 9 |
| 94 | Cardiopulmonary Health Effects of Airborne Particulate Matter: Correlating Animal Toxicology to Human Epidemiology. Toxicologic Pathology, 2019, 47, 954-961. | 1.8 | 8 |
| 95 | Aerosols in the Agricultural Setting. Journal of Agromedicine, 2009, 14, 413-416. | 1.5 | 5 |
| 96 | Long-Term Sequelae of Smoking and Cessation in Spontaneously Hypertensive Rats. Toxicologic Pathology, 2020, 48, 422-436. | 1.8 | 5 |
| 97 | Nanomaterials and the Environment. , 0, , 1-18. | | 4 |
| 98 | Six-Month Exposure of Strain A/J Mice to Cigarette Sidestream Smoke: Cell Kinetics and Lung Tumor Data. Toxicological Sciences, 1995, 26, 32-40. | 3.1 | 3 |
| 99 | Harmful Interruptions: Impact of Smoking Patterns on Tumorigenesis and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 133-134. | 2.9 | 3 |
| 100 | Machine learning discovery of distinguishing laboratory features for severity classification of COVIDâ€19 patients. IET Cyber-Systems and Robotics, 2021, 3, 31-43. | 1.8 | 3 |
| 101 | Secondhand Smoke Decreased Excitability and Altered Action Potential Characteristics of Cardiac Vagal Neurons in Mice. Frontiers in Physiology, 2021, 12, 727000. | 2.8 | 3 |
| 102 | Cytotoxicity of 2D engineered nanomaterials in pulmonary and corneal epithelium. NanoImpact, 2022, 26, 100404. | 4.5 | 3 |
| 103 | Direct Observations of Silver Nanowire-Induced Frustrated Phagocytosis among NR8383 Lung Alveolar Macrophages. Journal of Physical Chemistry B, 2020, 124, 11584-11592. | 2.6 | 2 |
| 104 | Inhalation of Silver Silicate Nanoparticles Leads to Transient and Differential Microglial Activation in the Rodent Olfactory Bulb. Toxicologic Pathology, 0, , 019262332211076. | 1.8 | 2 |
| 105 | Health Effects of Inhaled Engineered Nanoscale Materials. , 0, , 367-404. | | 1 |
| 106 | Differential lung inflammation and injury with tobacco smoke exposure in Wistar Kyoto and spontaneously hypertensive rats. Inhalation Toxicology, 2020, 32, 328-341. | 1.6 | 1 |
| 107 | Pulmonary health effects of wintertime particulate matter from California and China following repeated exposure and cessation. Toxicology Letters, 2022, 354, 33-43. | 0.8 | 1 |
| 108 | Effects of life-stage and passive tobacco smoke exposure on pulmonary innate immunity and influenza infection in mice. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2022, 85, 439-456. | 2.3 | 1 |

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| 109 | Novel aerosol treatment of airway hyper-reactivity and inflammation in a murine model of asthma with a soluble epoxide hydrolase inhibitor. PLoS ONE, 2022, 17, e0266608. | 2.5 | 1 |
| 110 | Effects of Environmental Tobacco Smoke during Early Life Stages. , 2014, , 385-397. | | 0 |
| 111 | National Institute of Environmental Health Sciences: 50 Years of Advancing Science and Improving Lung Health. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1190-1195. | 5.6 | 0 |
| 112 | A new biotelemetry system to monitor blood flow velocity, blood pressure and temperature in small animals: Preliminary data from cigarette smoke exposed SH rats. FASEB Journal, 2012, 26, 1098.16. | 0.5 | 0 |