# Andre E Nel

List of Publications by Year
in descending order



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|---|---|---|---|
| 185 papers | 52,278 citations | 2427 97 h-index | 3182 186 g-index |
| 193 all docs | 193 docs citations | 193 times ranked | 52702 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Use of a liver-targeting nanoparticle platform to intervene in peanut-induced anaphylaxis through delivery of an Ara h2 T-cell epitope. Nano Today, 2022, 42, 101370. | 11.9 | 11 |
| 2 | Multifunctional Lipid Bilayer Nanocarriers for Cancer Immunotherapy in Heterogeneous Tumor Microenvironments, Combining Immunogenic Cell Death Stimuli with Immune Modulatory Drugs. ACS Nano, 2022, 16, 5184-5232. | 14.6 | 32 |
| 3 | Tanks and Truth. ACS Nano, 2022, 16, 4975-4976. | 14.6 | 0 |
| 4 | Antigen- and Epitope-Delivering Nanoparticles Targeting Liver Induce Comparable Immunotolerance in Allergic Airway Disease and Anaphylaxis as Nanoparticle-Delivering Pharmaceuticals. ACS Nano, 2021, 15, 1608-1626. | 14.6 | 36 |
| 5 | Combination Chemoâ€Immunotherapy for Pancreatic Cancer Using the Immunogenic Effects of an Irinotecan Silicasome Nanocarrier Plus Antiâ€PDâ€1. Advanced Science, 2021, 8, 2002147. | 11.2 | 59 |
| 6 | Immune checkpoint inhibition in syngeneic mouse cancer models by a silicasome nanocarrier delivering a GSK3 inhibitor. Biomaterials, 2021, 269, 120635. | 11.4 | 31 |
| 7 | Development of Facile and Versatile Platinum Drug Delivering Silicasome Nanocarriers for Efficient Pancreatic Cancer Chemoâ€Immunotherapy. Small, 2021, 17, e2005993. | 10.0 | 35 |
| 8 | Silicasome Nanocarriers: Development of Facile and Versatile Platinum Drug Delivering Silicasome Nanocarriers for Efficient Pancreatic Cancer Chemoâ€Immunotherapy (Small 14/2021). Small, 2021, 17, 2170065. | 10.0 | 4 |
| 9 | Nano-Enabled COVID-19 Vaccines: Meeting the Challenges of Durable Antibody Plus Cellular Immunity and Immune Escape. ACS Nano, 2021, 15, 5793-5818. | 14.6 | 32 |
| 10 | Dissolution of 2D Molybdenum Disulfide Generates Differential Toxicity among Liver Cell Types Compared to Nonâ€Toxic 2D Boron Nitride Effects. Small, 2021, 17, e2101084. | 10.0 | 15 |
| 11 | Transformational Impact of Nanomedicine: Reconciling Outcome with Promise. Nano Letters, 2020, 20, 5601-5603. | 9.1 | 13 |
| 12 | Liposomal Delivery of Mitoxantrone and a Cholesteryl Indoximod Prodrug Provides Effective Chemo-immunotherapy in Multiple Solid Tumors. ACS Nano, 2020, 14, 13343-13366. | 14.6 | 91 |
| 13 | Mechanistic Differences in Cell Death Responses to Metalâ€Based Engineered Nanomaterials in Kupffer Cells and Hepatocytes. Small, 2020, 16, e2000528. | 10.0 | 41 |
| 14 | Growing Contributions of Nano in 2020. ACS Nano, 2020, 14, 16163-16164. | 14.6 | 1 |
| 15 | On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635. | 31.5 | 149 |
| 16 | Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. ACS Nano, 2019, 13, 10853-10855. | 14.6 | 16 |
| 17 | The Crystallinity and Aspect Ratio of Cellulose Nanomaterials Determine Their Proâ€Inflammatory and Immune Adjuvant Effects In Vitro and In Vivo. Small, 2019, 15, e1901642. | 10.0 | 48 |
| 18 | Nanoscience and Nanotechnology at UCLA. ACS Nano, 2019, 13, 6127-6129. | 14.6 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Impact of weather and climate change with indoor and outdoor air quality in asthma: A Work Group Report of the AAAAI Environmental Exposure and Respiratory Health Committee. Journal of Allergy and Clinical Immunology, 2019, 143, 1702-1710. | 2.9 | 98 |
| 20 | Use of Polymeric Nanoparticle Platform Targeting the Liver To Induce Treg-Mediated Antigen-Specific Immune Tolerance in a Pulmonary Allergen Sensitization Model. ACS Nano, 2019, 13, 4778-4794. | 14.6 | 78 |
| 21 | Improved Efficacy and Reduced Toxicity Using a Custom-Designed Irinotecan-Delivering Silicasome for Orthotopic Colon Cancer. ACS Nano, 2019, 13, 38-53. | 14.6 | 87 |
| 22 | Helmuth MÃ¶hwald (1946â€“2018). ACS Nano, 2018, 12, 3053-3055. | 14.6 | 0 |
| 23 | Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. Environmental Science & Technology, 2018, 52, 1514-1524. | 10.0 | 36 |
| 24 | Nanotechnology Strategies To Advance Outcomes in Clinical Cancer Care. ACS Nano, 2018, 12, 24-43. | 14.6 | 192 |
| 25 | Surface Oxidation of Graphene Oxide Determines Membrane Damage, Lipid Peroxidation, and Cytotoxicity in Macrophages in a Pulmonary Toxicity Model. ACS Nano, 2018, 12, 1390-1402. | 14.6 | 221 |
| 26 | Nanomaterial libraries and model organisms for rapid high-content analysis of nanosafety. National Science Review, 2018, 5, 365-388. | 9.5 | 20 |
| 27 | Toxicological Profiling of Metal Oxide Nanoparticles in Liver Context Reveals Pyroptosis in Kupffer Cells and Macrophages versus Apoptosis in Hepatocytes. ACS Nano, 2018, 12, 3836-3852. | 14.6 | 141 |
| 28 | Breast Cancer Chemo-immunotherapy through Liposomal Delivery of an Immunogenic Cell Death Stimulus Plus Interference in the IDO-1 Pathway. ACS Nano, 2018, 12, 11041-11061. | 14.6 | 200 |
| 29 | The NSF-EPA Centers for the Environmental Implications of Nanotechnology. , 2018, , 151-168. | | 0 |
| 30 | Toxicological Profiling of Highly Purified Singleâ€Walled Carbon Nanotubes with Different Lengths in the Rodent Lung and Escherichia Coli. Small, 2018, 14, e1703915. | 10.0 | 21 |
| 31 | Use of nano engineered approaches to overcome the stromal barrier in pancreatic cancer. Advanced Drug Delivery Reviews, 2018, 130, 50-57. | 13.7 | 72 |
| 32 | Assessing and Mitigating the Hazard Potential of Two-Dimensional Materials. ACS Nano, 2018, 12, 6360-6377. | 14.6 | 78 |
| 33 | Advancing alternatives analysis: The role of predictive toxicology in selecting safer chemical products and processes. Integrated Environmental Assessment and Management, 2017, 13, 915-925. | 2.9 | 30 |
| 34 | Pro-Inflammatory and Pro-Fibrogenic Effects of Ionic and Particulate Arsenide and Indium-Containing Semiconductor Materials in the Murine Lung. ACS Nano, 2017, 11, 1869-1883. | 14.6 | 19 |
| 35 | Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126. | 14.6 | 4 |
| 36 | Differential effect of micron- versus nanoscale IIIâ€“V particulates and ionic species on the zebrafish gut. Environmental Science: Nano, 2017, 4, 1350-1364. | 4.3 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Comparative environmental fate and toxicity of copper nanomaterials. NanoImpact, 2017, 7, 28-40. | 4.5 | 277 |
| 38 | Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381. | 14.6 | 976 |
| 39 | Policy reforms to update chemical safety testing. Science, 2017, 355, 1016-1018. | 12.6 | 21 |
| 40 | Safe-by-Design CuO NanoparticlesviaFe-Doping, Cuâ€“O Bond Length Variation, and Biological Assessment in Cells and Zebrafish Embryos. ACS Nano, 2017, 11, 501-515. | 14.6 | 107 |
| 41 | New Insights into â€œPermeabilityâ€•as in the Enhanced Permeability and Retention Effect of Cancer Nanotherapeutics. ACS Nano, 2017, 11, 9567-9569. | 14.6 | 199 |
| 42 | Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555. | 14.6 | 0 |
| 43 | The Genetic Heterogeneity among Different Mouse Strains Impacts the Lung Injury Potential of Multiwalled Carbon Nanotubes. Small, 2017, 13, 1700776. | 10.0 | 11 |
| 44 | Nano-enabled pancreas cancer immunotherapy using immunogenic cell death and reversing immunosuppression. Nature Communications, 2017, 8, 1811. | 12.8 | 360 |
| 45 | Major effect of transcytosis on nano drug delivery to pancreatic cancer. Molecular and Cellular Oncology, 2017, 4, e1335273. | 0.7 | 8 |
| 46 | A Big Year Ahead for Nano in 2018. ACS Nano, 2017, 11, 11755-11757. | 14.6 | 1 |
| 47 | Tumor-penetrating peptide enhances transcytosis of silicasome-based chemotherapy for pancreatic cancer. Journal of Clinical Investigation, 2017, 127, 2007-2018. | 8.2 | 168 |
| 48 | Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. ACS Nano, 2016, 10, 10615-10617. | 14.6 | 22 |
| 49 | Toxicological Profiling of Highly Purified Metallic and Semiconducting Single-Walled Carbon Nanotubes in the Rodent Lung and E. coli. ACS Nano, 2016, 10, 6008-6019. | 14.6 | 49 |
| 50 | A work group report on ultrafine particles (American Academy of Allergy, Asthma & Immunology): Why ambient ultrafine and engineered nanoparticles should receive special attention for possible adverse health outcomes in human subjects. Journal of Allergy and Clinical Immunology, 2016, 138, 386-396. | 2.9 | 190 |
| 51 | Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 6124-6145. | 10.0 | 191 |
| 52 | Nano Day: Celebrating the Next Decade of Nanoscience and Nanotechnology. ACS Nano, 2016, 10, 9093-9103. | 14.6 | 77 |
| 53 | Repetitive Dosing of Fumed Silica Leads to Profibrogenic Effects through Unique Structureâ€“Activity Relationships and Biopersistence in the Lung. ACS Nano, 2016, 10, 8054-8066. | 14.6 | 58 |
| 54 | Identification and Optimization of Carbon Radicals on Hydrated Graphene Oxide for Ubiquitous Antibacterial Coatings. ACS Nano, 2016, 10, 10966-10980. | 14.6 | 172 |

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|---|---|---|---|
| 55 | Irinotecan Delivery by Lipid-Coated Mesoporous Silica Nanoparticles Shows Improved Efficacy and Safety over Liposomes for Pancreatic Cancer. ACS Nano, 2016, 10, 2702-2715. | 14.6 | 215 |
| 56 | Meta-analysis of cellular toxicity for cadmium-containing quantum dots. Nature Nanotechnology, 2016, 11, 479-486. | 31.5 | 393 |
| 57 | Differential pulmonary effects of CoO and La2O3 metal oxide nanoparticle responses during aerosolized inhalation in mice. Particle and Fibre Toxicology, 2015, 13, 42. | 6.2 | 26 |
| 58 | Differences in the Toxicological Potential of 2D versus Aggregated Molybdenum Disulfide in the Lung. Small, 2015, 11, 5079-5087. | 10.0 | 105 |
| 59 | Understanding the Transformation, Speciation, and Hazard Potential of Copper Particles in a Model Septic Tank System Using Zebrafish to Monitor the Effluent. ACS Nano, 2015, 9, 2038-2048. | 14.6 | 54 |
| 60 | Use of a Pro-Fibrogenic Mechanism-Based Predictive Toxicological Approach for Tiered Testing and Decision Analysis of Carbonaceous Nanomaterials. ACS Nano, 2015, 9, 3032-3043. | 14.6 | 107 |
| 61 | NADPH Oxidase-Dependent NLRP3 Inflammasome Activation and its Important Role in Lung Fibrosis by Multiwalled Carbon Nanotubes. Small, 2015, 11, 2087-2097. | 10.0 | 149 |
| 62 | Enhancing the Imaging and Biosafety of Upconversion Nanoparticles through Phosphonate Coating. ACS Nano, 2015, 9, 3293-3306. | 14.6 | 130 |
| 63 | Reduction of Acute Inflammatory Effects of Fumed Silica Nanoparticles in the Lung by Adjusting Silanol Display through Calcination and Metal Doping. ACS Nano, 2015, 9, 9357-9372. | 14.6 | 108 |
| 64 | Where Are We Heading in Nanotechnology Environmental Health and Safety and Materials Characterization?. ACS Nano, 2015, 9, 5627-5630. | 14.6 | 91 |
| 65 | Grand Challenges for Nanoscience and Nanotechnology. ACS Nano, 2015, 9, 6637-6640. | 14.6 | 53 |
| 66 | Use of a Lipid-Coated Mesoporous Silica Nanoparticle Platform for Synergistic Gemcitabine and Paclitaxel Delivery to Human Pancreatic Cancer in Mice. ACS Nano, 2015, 9, 3540-3557. | 14.6 | 367 |
| 67 | Nanomaterial Categorization for Assessing Risk Potential To Facilitate Regulatory Decision-Making. ACS Nano, 2015, 9, 3409-3417. | 14.6 | 129 |
| 68 | Mammalian Cells Exhibit a Range of Sensitivities to Silver Nanoparticles that are Partially Explicable by Variations in Antioxidant Defense and Metallothionein Expression. Small, 2015, 11, 3797-3805. | 10.0 | 42 |
| 69 | Big Roles for Nanocenters. ACS Nano, 2015, 9, 8639-8640. | 14.6 | 5 |
| 70 | Evaluation of Toxicity Ranking for Metal Oxide Nanoparticles via an in Vitro Dosimetry Model. ACS Nano, 2015, 9, 9303-9313. | 14.6 | 65 |
| 71 | Organ-Specific and Size-Dependent Ag Nanoparticle Toxicity in Gills and Intestines of Adult Zebrafish. ACS Nano, 2015, 9, 9573-9584. | 14.6 | 164 |
| 72 | Implications of the Differential Toxicological Effects of IIIâ€“V Ionic and Particulate Materials for Hazard Assessment of Semiconductor Slurries. ACS Nano, 2015, 9, 12011-12025. | 14.6 | 15 |

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|---|---|---|---|
| 73 | 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 |
| 74 | Aspect Ratio Plays a Role in the Hazard Potential of CeO<sub>2</sub> Nanoparticles in Mouse Lung and Zebrafish Gastrointestinal Tract. ACS Nano, 2014, 8, 4450-4464. | 14.6 | 98 |
| 75 | PdO Doping Tunes Band-Gap Energy Levels as Well as Oxidative Stress Responses to a Co<sub>3</sub>O<sub>4</sub> p-Type Semiconductor in Cells and the Lung. Journal of the American Chemical Society, 2014, 136, 6406-6420. | 13.7 | 136 |
| 76 | Surface Interactions with Compartmentalized Cellular Phosphates Explain Rare Earth Oxide Nanoparticle Hazard and Provide Opportunities for Safer Design. ACS Nano, 2014, 8, 1771-1783. | 14.6 | 212 |
| 77 | Sulforaphane-rich broccoli sprout extract attenuates nasal allergic response to diesel exhaust particles. Food and Function, 2014, 5, 35-41. | 4.6 | 72 |
| 78 | Association rule mining of cellular responses induced by metal and metal oxide nanoparticles. Analyst, The, 2014, 139, 943-953. | 3.5 | 26 |
| 79 | Interference in Autophagosome Fusion by Rare Earth Nanoparticles Disrupts Autophagic Flux and Regulation of an Interleukin-1Î² Producing Inflammasome. ACS Nano, 2014, 8, 10280-10292. | 14.6 | 142 |
| 80 | Nanomaterial Toxicity Testing in the 21st Century: Use of a Predictive Toxicological Approach and High-Throughput Screening. Accounts of Chemical Research, 2013, 46, 607-621. | 15.6 | 501 |
| 81 | Hierarchical Rank Aggregation with Applications to Nanotoxicology. Journal of Agricultural, Biological, and Environmental Statistics, 2013, 18, 159-177. | 1.4 | 13 |
| 82 | A Multi-Stakeholder Perspective on the Use of Alternative Test Strategies for Nanomaterial Safety Assessment. ACS Nano, 2013, 7, 6422-6433. | 14.6 | 110 |
| 83 | Exciting Times for Nano. ACS Nano, 2013, 7, 10437-10439. | 14.6 | 1 |
| 84 | Two-Wave Nanotherapy To Target the Stroma and Optimize Gemcitabine Delivery To a Human Pancreatic Cancer Model in Mice. ACS Nano, 2013, 7, 10048-10065. | 14.6 | 163 |
| 85 | Engineering an Effective Immune Adjuvant by Designed Control of Shape and Crystallinity of Aluminum Oxyhydroxide Nanoparticles. ACS Nano, 2013, 7, 10834-10849. | 14.6 | 192 |
| 86 | Custom-Designed Nanomaterial Libraries for Testing Metal Oxide Toxicity. Accounts of Chemical Research, 2013, 46, 632-641. | 15.6 | 58 |
| 87 | Codelivery of an Optimal Drug/siRNA Combination Using Mesoporous Silica Nanoparticles To Overcome Drug Resistance in Breast Cancer in Vitro and in Vivo. ACS Nano, 2013, 7, 994-1005. | 14.6 | 525 |
| 88 | Physicochemical Properties Determine Nanomaterial Cellular Uptake, Transport, and Fate. Accounts of Chemical Research, 2013, 46, 622-631. | 15.6 | 627 |
| 89 | Climate Change and Our Environment: The Effect on Respiratory and Allergic Disease. Journal of Allergy and Clinical Immunology: in Practice, 2013, 1, 137-141. | 3.8 | 69 |
| 90 | Surface Charge and Cellular Processing of Covalently Functionalized Multiwall Carbon Nanotubes Determine Pulmonary Toxicity. ACS Nano, 2013, 7, 2352-2368. | 14.6 | 265 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Zebrafish Highâ€Throughput Screening to Study the Impact of Dissolvable Metal Oxide Nanoparticles on the Hatching Enzyme, ZHE1. Small, 2013, 9, 1776-1785. | 10.0 | 112 |
| 92 | Metal Oxides: Zebrafish High-Throughput Screening to Study the Impact of Dissolvable Metal Oxide Nanoparticles on the Hatching Enzyme, ZHE1 (Small 9-10/2013). Small, 2013, 9, 1775-1775. | 10.0 | 2 |
| 93 | Zebrafish: An In Vivo Model for Nano EHS Studies. Small, 2013, 9, 1608-1618. | 10.0 | 136 |
| 94 | Implementation of a Multidisciplinary Approach to Solve Complex Nano EHS Problems by the UC Center for the Environmental Implications of Nanotechnology. Small, 2013, 9, 1428-1443. | 10.0 | 32 |
| 95 | Filling Knowledge Gaps that Distinguish the Safety Profiles of Nano versus Bulk Materials. Small, 2013, 9, 1426-1427. | 10.0 | 10 |
| 96 | Development of structureâ€“activity relationship for metal oxide nanoparticles. Nanoscale, 2013, 5, 5644. | 5.6 | 120 |
| 97 | Interlaboratory Evaluation of Rodent Pulmonary Responses to Engineered Nanomaterials: The NIEHS Nano GO Consortium. Environmental Health Perspectives, 2013, 121, 676-682. | 6.0 | 121 |
| 98 | Interlaboratory Evaluation of in Vitro Cytotoxicity and Inflammatory Responses to Engineered Nanomaterials: The NIEHS Nano GO Consortium. Environmental Health Perspectives, 2013, 121, 683-690. | 6.0 | 176 |
| 99 | Toxicity profiling of engineered nanomaterials via multivariate dose-response surface modeling. Annals of Applied Statistics, 2012, 6, 1707-1729. | 1.1 | 14 |
| 100 | Development of Pharmaceutically Adapted Mesoporous Silica Nanoparticles Platform. Journal of Physical Chemistry Letters, 2012, 3, 358-359. | 4.6 | 10 |
| 101 | Pluronic F108 Coating Decreases the Lung Fibrosis Potential of Multiwall Carbon Nanotubes by Reducing Lysosomal Injury. Nano Letters, 2012, 12, 3050-3061. | 9.1 | 159 |
| 102 | Processing Pathway Dependence of Amorphous Silica Nanoparticle Toxicity: Colloidal vs Pyrolytic. Journal of the American Chemical Society, 2012, 134, 15790-15804. | 13.7 | 372 |
| 103 | Automated Phenotype Recognition for Zebrafish Embryo Based In Vivo High Throughput Toxicity Screening of Engineered Nano-Materials. PLoS ONE, 2012, 7, e35014. | 2.5 | 50 |
| 104 | Use of Metal Oxide Nanoparticle Band Gap To Develop a Predictive Paradigm for Oxidative Stress and Acute Pulmonary Inflammation. ACS Nano, 2012, 6, 4349-4368. | 14.6 | 718 |
| 105 | Surface Defects on Plate-Shaped Silver Nanoparticles Contribute to Its Hazard Potential in a Fish Gill Cell Line and Zebrafish Embryos. ACS Nano, 2012, 6, 3745-3759. | 14.6 | 318 |
| 106 | Designed Synthesis of CeO<sub>2</sub> Nanorods and Nanowires for Studying Toxicological Effects of High Aspect Ratio Nanomaterials. ACS Nano, 2012, 6, 5366-5380. | 14.6 | 323 |
| 107 | The Fate of ZnO Nanoparticles Administered to Human Bronchial Epithelial Cells. ACS Nano, 2012, 6, 4921-4930. | 14.6 | 146 |
| 108 | Differential Expression of Syndecan-1 Mediates Cationic Nanoparticle Toxicity in Undifferentiated versus Differentiated Normal Human Bronchial Epithelial Cells. ACS Nano, 2011, 5, 2756-2769. | 14.6 | 86 |

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|---|---|---|---|
| 109 | Nanotechnology Environmental, Health, and Safety Issues. , 2011, , 159-220. | | 5 |
| 110 | Aspect Ratio Determines the Quantity of Mesoporous Silica Nanoparticle Uptake by a Small GTPase-Dependent Macropinocytosis Mechanism. ACS Nano, 2011, 5, 4434-4447. | 14.6 | 330 |
| 111 | Nanomaterials in the Environment: From Materials to High-Throughput Screening to Organisms. ACS Nano, 2011, 5, 13-20. | 14.6 | 145 |
| 112 | Self-Organizing Map Analysis of Toxicity-Related Cell Signaling Pathways for Metal and Metal Oxide Nanoparticles. Environmental Science & Technology, 2011, 45, 1695-1702. | 10.0 | 80 |
| 113 | Dispersal State of Multiwalled Carbon Nanotubes Elicits Profibrogenic Cellular Responses That Correlate with Fibrogenesis Biomarkers and Fibrosis in the Murine Lung. ACS Nano, 2011, 5, 9772-9787. | 14.6 | 178 |
| 114 | Use of Size and a Copolymer Design Feature To Improve the Biodistribution and the Enhanced Permeability and Retention Effect of Doxorubicin-Loaded Mesoporous Silica Nanoparticles in a Murine Xenograft Tumor Model. ACS Nano, 2011, 5, 4131-4144. | 14.6 | 446 |
| 115 | Role of Fe Doping in Tuning the Band Gap of TiO<sub>2</sub> for the Photo-Oxidation-Induced Cytotoxicity Paradigm. Journal of the American Chemical Society, 2011, 133, 11270-11278. | 13.7 | 346 |
| 116 | Use of a High-Throughput Screening Approach Coupled with In Vivo Zebrafish Embryo Screening To Develop Hazard Ranking for Engineered Nanomaterials. ACS Nano, 2011, 5, 1805-1817. | 14.6 | 306 |
| 117 | Feasibility of Biomarker Studies for Engineered Nanoparticles. Journal of Occupational and Environmental Medicine, 2011, 53, S74-S79. | 1.7 | 26 |
| 118 | High Content Screening in Zebrafish Speeds up Hazard Ranking of Transition Metal Oxide Nanoparticles. ACS Nano, 2011, 5, 7284-7295. | 14.6 | 176 |
| 119 | Decreased Dissolution of ZnO by Iron Doping Yields Nanoparticles with Reduced Toxicity in the Rodent Lung and Zebrafish Embryos. ACS Nano, 2011, 5, 1223-1235. | 14.6 | 341 |
| 120 | Classification NanoSAR Development for Cytotoxicity of Metal Oxide Nanoparticles. Small, 2011, 7, 1118-1126. | 10.0 | 156 |
| 121 | BroccosproutÂ® Extract Inhibits the Nasal Allergic Response to Diesel Exhaust Particles in Atopic Individuals. FASEB Journal, 2011, 25, 981.1. | 0.5 | 0 |
| 122 | Adjuvant effects of ambient particulate matter monitored by proteomics of bronchoalveolar lavage fluid. Proteomics, 2010, 10, 520-531. | 2.2 | 28 |
| 123 | Ambient ultrafine particles provide a strong adjuvant effect in the secondary immune response: implication for traffic-related asthma flares. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L374-L383. | 2.9 | 87 |
| 124 | Use of a Rapid Cytotoxicity Screening Approach To Engineer a Safer Zinc Oxide Nanoparticle through Iron Doping. ACS Nano, 2010, 4, 15-29. | 14.6 | 464 |
| 125 | Quantitative Techniques for Assessing and Controlling the Dispersion and Biological Effects of Multiwalled Carbon Nanotubes in Mammalian Tissue Culture Cells. ACS Nano, 2010, 4, 7241-7252. | 14.6 | 151 |
| 126 | Autonomous in Vitro Anticancer Drug Release from Mesoporous Silica Nanoparticles by pH-Sensitive Nanovalves. Journal of the American Chemical Society, 2010, 132, 12690-12697. | 13.7 | 550 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Dispersion and Stability Optimization of TiO<sub>2</sub> Nanoparticles in Cell Culture Media. Environmental Science & Technology, 2010, 44, 7309-7314. | 10.0 | 288 |
| 128 | Engineered Design of Mesoporous Silica Nanoparticles to Deliver Doxorubicin and P-Glycoprotein siRNA to Overcome Drug Resistance in a Cancer Cell Line. ACS Nano, 2010, 4, 4539-4550. | 14.6 | 817 |
| 129 | The Adjuvant Effect of Ambient Particulate Matter Is Closely Reflected by the Particulate Oxidant Potential. Environmental Health Perspectives, 2009, 117, 1116-1123. | 6.0 | 203 |
| 130 | The impact of air pollutants as an adjuvant for allergic sensitization and asthma. Current Allergy and Asthma Reports, 2009, 9, 327-333. | 5.3 | 24 |
| 131 | Particulate matter and atherosclerosis: role of particle size, composition and oxidative stress. Particle and Fibre Toxicology, 2009, 6, 24. | 6.2 | 328 |
| 132 | Understanding biophysicochemical interactions at the nanoâ€“bio interface. Nature Materials, 2009, 8, 543-557. | 27.5 | 6,046 |
| 133 | The University of California Center for the Environmental Implications of Nanotechnology. Environmental Science & Technology, 2009, 43, 6453-6457. | 10.0 | 67 |
| 134 | Oxidative Stress and Asthma: Proteome Analysis of Chitinase-like Proteins and FIZZ1 in Lung Tissue and Bronchoalveolar Lavage Fluid. Journal of Proteome Research, 2009, 8, 1631-1638. | 3.7 | 77 |
| 135 | Potential Health Impact of Nanoparticles. Annual Review of Public Health, 2009, 30, 137-150. | 17.4 | 374 |
| 136 | A Predictive Toxicological Paradigm for the Safety Assessment of Nanomaterials. ACS Nano, 2009, 3, 1620-1627. | 14.6 | 303 |
| 137 | Polyethyleneimine Coating Enhances the Cellular Uptake of Mesoporous Silica Nanoparticles and Allows Safe Delivery of siRNA and DNA Constructs. ACS Nano, 2009, 3, 3273-3286. | 14.6 | 817 |
| 138 | Reply to â€œAssessing the Safety of Nanomaterials by Genomic Approach Could Be Another Alternativeâ€• ACS Nano, 2009, 3, 3830-3831. | 14.6 | 4 |
| 139 | Comparative Toxicity of C<sub>60</sub> Aggregates toward Mammalian Cells: Role of Tetrahydrofuran (THF) Decomposition. Environmental Science & Technology, 2009, 43, 6378-6384. | 10.0 | 61 |
| 140 | Comparison of the Mechanism of Toxicity of Zinc Oxide and Cerium Oxide Nanoparticles Based on Dissolution and Oxidative Stress Properties. ACS Nano, 2008, 2, 2121-2134. | 14.6 | 2,145 |
| 141 | Particles slip cell security. Nature Materials, 2008, 7, 519-520. | 27.5 | 43 |
| 142 | The role of oxidative stress in ambient particulate matter-induced lung diseases and its implications in the toxicity of engineered nanoparticles. Free Radical Biology and Medicine, 2008, 44, 1689-1699. | 2.9 | 780 |
| 143 | The health effects of nonindustrial indoor air pollution. Journal of Allergy and Clinical Immunology, 2008, 121, 585-591. | 2.9 | 454 |
| 144 | Cationic Polystyrene Nanosphere Toxicity Depends on Cell-Specific Endocytic and Mitochondrial Injury Pathways. ACS Nano, 2008, 2, 85-96. | 14.6 | 584 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Multifunctional Inorganic Nanoparticles for Imaging, Targeting, and Drug Delivery. ACS Nano, 2008, 2, 889-896. | 14.6 | 1,758 |
| 146 | Evaluating the Toxicity of Airborne Particulate Matter and Nanoparticles by Measuring Oxidative Stress Potentialâ€"A Workshop Report and Consensus Statement. Inhalation Toxicology, 2008, 20, 75-99. | 1.6 | 482 |
| 147 | Ambient Particulate Pollutants in the Ultrafine Range Promote Early Atherosclerosis and Systemic Oxidative Stress. Circulation Research, 2008, 102, 589-596. | 4.5 | 551 |
| 148 | Importance of oxidative stress in the pathogenesis and treatment of asthma. Current Opinion in Allergy and Clinical Immunology, 2008, 8, 49-56. | 2.3 | 176 |
| 149 | Part II: coordinated biosensors â€“ development of enhanced nanobiosensors for biological and medical applications. Nanomedicine, 2007, 2, 599-614. | 3.3 | 25 |
| 150 | Air-pollutant chemicals and oxidized lipids exhibit genome-wide synergistic effects on endothelial cells. Genome Biology, 2007, 8, R149. | 9.6 | 107 |
| 151 | Glutathione depletion inhibits dendritic cell maturation and delayed-type hypersensitivity: Implications for systemic disease and immunosenescence. Journal of Allergy and Clinical Immunology, 2007, 119, 1225-1233. | 2.9 | 98 |
| 152 | Proâ€oxidative DEP chemicals induce heat shock proteins and an unfolding protein response in a bronchial epithelial cell line as determined by DIGE analysis. Proteomics, 2007, 7, 3906-3918. | 2.2 | 50 |
| 153 | Comparison of the Abilities of Ambient and Manufactured Nanoparticles To Induce Cellular Toxicity According to an Oxidative Stress Paradigm. Nano Letters, 2006, 6, 1794-1807. | 9.1 | 1,675 |
| 154 | Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation. Journal of Allergy and Clinical Immunology, 2006, 118, 455-465. | 2.9 | 104 |
| 155 | Role of the Nrf2-Mediated Signaling Pathway as a Negative Regulator of Inflammation: Implications for the Impact of Particulate Pollutants on Asthma. Antioxidants and Redox Signaling, 2006, 8, 88-98. | 5.4 | 118 |
| 156 | Toxic Potential of Materials at the Nanolevel. Science, 2006, 311, 622-627. | 12.6 | 7,944 |
| 157 | How Exposure to Environmental Tobacco Smoke, Outdoor Air Pollutants, and Increased Pollen Burdens Influences the Incidence of Asthma. Environmental Health Perspectives, 2006, 114, 627-633. | 6.0 | 298 |
| 158 | Nitrotyrosine-modified proteins and oxidative stress induced by diesel exhaust particles. Electrophoresis, 2005, 26, 280-292. | 2.4 | 44 |
| 159 | Use of a fluorescent phosphoprotein dye to characterize oxidative stress-induced signaling pathway components in macrophage and epithelial cultures exposed to diesel exhaust particle chemicals. Electrophoresis, 2005, 26, 2092-2108. | 2.4 | 43 |
| 160 | The Role of Phase II Antioxidant Enzymes in Protecting Memory T Cells from Spontaneous Apoptosis in Young and Old Mice. Journal of Immunology, 2005, 175, 2948-2959. | 0.8 | 47 |
| 161 | Air Pollution-Related Illness: Effects of Particles. Science, 2005, 308, 804-806. | 12.6 | 1,326 |
| 162 | Nrf2 Is a Key Transcription Factor That Regulates Antioxidant Defense in Macrophages and Epithelial Cells: Protecting against the Proinflammatory and Oxidizing Effects of Diesel Exhaust Chemicals. Journal of Immunology, 2004, 173, 3467-3481. | 0.8 | 411 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Quinones and Aromatic Chemical Compounds in Particulate Matter Induce Mitochondrial Dysfunction: Implications for Ultrafine Particle Toxicity. Environmental Health Perspectives, 2004, 112, 1347-1358. | 6.0 | 369 |
| 164 | Proteome Analysis of Lipid Rafts in Jurkat Cells Characterizes a Raft Subset That Is Involved in NF-ÎºB Activation. Journal of Proteome Research, 2004, 3, 445-454. | 3.7 | 36 |
| 165 | Health effects of air pollution. Journal of Allergy and Clinical Immunology, 2004, 114, 1116-1123. | 2.9 | 669 |
| 166 | Diesel exhaust particles exert acute effects on airway inflammation and function in murine allergen provocation models. Journal of Allergy and Clinical Immunology, 2003, 112, 905-914. | 2.9 | 75 |
| 167 | Particulate air pollutants and asthma. Clinical Immunology, 2003, 109, 250-265. | 3.2 | 632 |
| 168 | The flotillins are integral membrane proteins in lipid rafts that contain TCR-associated signaling components: implications for T-cell activation. Clinical Immunology, 2003, 108, 138-151. | 3.2 | 76 |
| 169 | Use of Proteomics to Demonstrate a Hierarchical Oxidative Stress Response to Diesel Exhaust Particle Chemicals in a Macrophage Cell Line. Journal of Biological Chemistry, 2003, 278, 50781-50790. | 3.4 | 367 |
| 170 | The U.S. Environmental Protection Agency Particulate Matter Health Effects Research Centers Program: a midcourse report of status, progress, and plans.. Environmental Health Perspectives, 2003, 111, 1074-1092. | 6.0 | 111 |
| 171 | Ultrafine particulate pollutants induce oxidative stress and mitochondrial damage.. Environmental Health Perspectives, 2003, 111, 455-460. | 6.0 | 1,773 |
| 172 | Thiol Antioxidants Inhibit the Adjuvant Effects of Aerosolized Diesel Exhaust Particles in a Murine Model for Ovalbumin Sensitization. Journal of Immunology, 2002, 168, 2560-2567. | 0.8 | 178 |
| 173 | Comparison of the Pro-Oxidative and Proinflammatory Effects of Organic Diesel Exhaust Particle Chemicals in Bronchial Epithelial Cells and Macrophages. Journal of Immunology, 2002, 169, 4531-4541. | 0.8 | 287 |
| 174 | T-cell activation through the antigen receptor. Part 1: Signaling components, signaling pathways, and signal integration at the T-cell antigen receptor synapse. Journal of Allergy and Clinical Immunology, 2002, 109, 758-770. | 2.9 | 187 |
| 175 | T-cell activation through the antigen receptor. Part 2: Role of signaling cascades in T-cell differentiation, anergy, immune senescence, and development of immunotherapy. Journal of Allergy and Clinical Immunology, 2002, 109, 901-915. | 2.9 | 86 |
| 176 | USE OF A STRATIFIED OXIDATIVE STRESS MODEL TO STUDY THE BIOLOGICAL EFFECTS OF AMBIENT CONCENTRATED AND DIESEL EXHAUST PARTICULATE MATTER. Inhalation Toxicology, 2002, 14, 459-486. | 1.6 | 216 |
| 177 | The role of particulate pollutants in pulmonary inflammation and asthma: evidence for the involvement of organic chemicals and oxidative stress. Current Opinion in Pulmonary Medicine, 2001, 7, 20-26. | 2.6 | 303 |
| 178 | The Role of a Mitochondrial Pathway in the Induction of Apoptosis by Chemicals Extracted from Diesel Exhaust Particles. Journal of Immunology, 2000, 165, 2703-2711. | 0.8 | 189 |
| 179 | The NF-ÎºB Cascade Is Important in Bcl-xL Expression and for the Anti-Apoptotic Effects of the CD28 Receptor in Primary Human CD4+ Lymphocytes. Journal of Immunology, 2000, 165, 1743-1754. | 0.8 | 205 |
| 180 | The Physical Association of Protein Kinase CÎ¸ with a Lipid Raft-Associated Inhibitor of ÎºB Factor Kinase (IKK) Complex Plays a Role in the Activation of the NF-ÎºB Cascade by TCR and CD28. Journal of Immunology, 2000, 165, 6933-6940. | 0.8 | 130 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | In Vivo Nasal Challenge with Diesel Exhaust Particles Enhances Expression of the CC Chemokines Rantes, MIP-1Î±, and MCP-3 in Humans. Clinical Immunology, 2000, 97, 140-145. | 3.2 | 97 |
| 182 | Response Differences between Human CD4+ and CD8+ T-Cells during CD28 Costimulation: Implications for Immune Cell-Based Therapies and Studies Related to the Expansion of Double-Positive T-Cells during Aging. Clinical Immunology, 2000, 96, 187-197. | 3.2 | 82 |
| 183 | Induction of Heme Oxygenase-1 Expression in Macrophages by Diesel Exhaust Particle Chemicals and Quinones via the Antioxidant-Responsive Element. Journal of Immunology, 2000, 165, 3393-3401. | 0.8 | 258 |
| 184 | Activation of the Human RANTES Gene Promoter in a Macrophage Cell Line by Lipopolysaccharide Is Dependent on Stress-Activated Protein Kinases and the IÎºB Kinase Cascade: Implications for Exacerbation of Allergic Inflammation by Environmental Pollutants. Clinical Immunology, 1999, 90, 287-301. | 3.2 | 40 |
| 185 | Evidence for LFA-1/ICAM-1 dependent stimulation of protein tyrosine phosphorylation in human B lymphoid cell lines during homotypic adhesion. Journal of Leukocyte Biology, 1995, 57, 343-351. | 3.3 | 12 |