

Alexandra E Porter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7800905/publications.pdf>

Version: 2024-02-01

33
papers

1,267
citations

304743

22
h-index

395702

33
g-index

33
all docs

33
docs citations

33
times ranked

2440
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO Nanomaterials and Ionic Zn Partition within Wastewater Sludge Investigated by Isotopic Labeling. <i>Global Challenges</i> , 2022, 6, 2100091.	3.6	2
2	Osteopontin regulates type I collagen fibril formation in bone tissue. <i>Acta Biomaterialia</i> , 2021, 120, 194-202.	8.3	56
3	Fracture toughness of bone at the microscale. <i>Acta Biomaterialia</i> , 2021, 121, 475-483.	8.3	11
4	Nanoscale Chemical Imaging of Nanoparticles under Real-World Wastewater Treatment Conditions. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100023.	5.3	8
5	Nanoscale Imaging and Analysis of Bone Pathologies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12033.	2.5	1
6	Geometry-induced protein reorientation on the spikes of plasmonic gold nanostars. <i>Nanoscale Advances</i> , 2020, 2, 1144-1151.	4.6	12
7	Effect of silver nanospheres and nanowires on human airway smooth muscle cells: role of sulfidation. <i>Nanoscale Advances</i> , 2020, 2, 5635-5647.	4.6	7
8	Approaches to treating tuberculosis by encapsulating metal ions and anti-mycobacterial drugs utilizing nano- and microparticle technologies. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 581-600.	2.6	11
9	Spatially Resolved Dissolution and Speciation Changes of ZnO Nanorods during Short-Term <i>in Situ</i> Incubation in a Simulated Wastewater Environment. <i>ACS Nano</i> , 2019, 13, 11049-11061.	14.6	13
10	Towards multiplexed near-infrared cellular imaging using gold nanostar arrays with tunable fluorescence enhancement. <i>Nanoscale</i> , 2019, 11, 2079-2088.	5.6	30
11	Frizzled-7-targeted delivery of zinc oxide nanoparticles to drug-resistant breast cancer cells. <i>Nanoscale</i> , 2019, 11, 12858-12870.	5.6	39
12	Quantification of blood-brain barrier transport and neuronal toxicity of unlabelled multiwalled carbon nanotubes as a function of surface charge. <i>Nanoscale</i> , 2019, 11, 22054-22069.	5.6	30
13	Multimetallic Microparticles Increase the Potency of Rifampicin against Intracellular <i>Mycobacterium tuberculosis</i> . <i>ACS Nano</i> , 2018, 12, 5228-5240.	14.6	53
14	The S100A4 Protein Signals through the ErbB4 Receptor to Promote Neuronal Survival. <i>Theranostics</i> , 2018, 8, 3977-3990.	10.0	35
15	Fluorescence enhancement from single gold nanostars: towards ultra-bright emission in the first and second near-infrared biological windows. <i>Nanoscale</i> , 2018, 10, 15854-15864.	5.6	30
16	Inactivation, Clearance, and Functional Effects of Lung-Instilled Short and Long Silver Nanowires in Rats. <i>ACS Nano</i> , 2017, 11, 2652-2664.	14.6	30
17	Multibranching Gold Nanoparticles with Intrinsic LAT-1 Targeting Capabilities for Selective Photothermal Therapy of Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39259-39270.	8.0	74
18	Silver Nanowire Particle Reactivity with Human Monocyte-Derived Macrophage Cells: Intracellular Availability of Silver Governs Their Cytotoxicity. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2336-2347.	5.2	23

#	ARTICLE	IF	CITATIONS
19	Gold Nanostar Substrates for Metal-Enhanced Fluorescence through the First and Second Near-Infrared Windows. <i>Chemistry of Materials</i> , 2017, 29, 6916-6926.	6.7	72
20	Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats. <i>Respiratory Research</i> , 2016, 17, 85.	3.6	42
21	Correlative Light-Electron Microscopy Shows RGD-Targeted ZnO Nanoparticles Dissolve in the Intracellular Environment of Triple Negative Breast Cancer Cells and Cause Apoptosis with Intratumor Heterogeneity. <i>Advanced Healthcare Materials</i> , 2016, 5, 1310-1325.	7.6	48
22	Translocation of Functionalized Multi-Walled Carbon Nanotubes across Human Pulmonary Alveolar Epithelium: Dominant Role of Epithelial Type 1 Cells. <i>ACS Nano</i> , 2016, 10, 5070-5085.	14.6	26
23	Modulation of Human Macrophage Responses to <i>Mycobacterium tuberculosis</i> by Silver Nanoparticles of Different Size and Surface Modification. <i>PLoS ONE</i> , 2015, 10, e0143077.	2.5	43
24	Silver nanowire interactions with primary human alveolar type-II epithelial cell secretions: contrasting bioreactivity with human alveolar type-I and type-II epithelial cells. <i>Nanoscale</i> , 2015, 7, 10398-10409.	5.6	31
25	Static and Dynamic Microscopy of the Chemical Stability and Aggregation State of Silver Nanowires in Components of <i>Murine</i> Pulmonary Surfactant. <i>Environmental Science & Technology</i> , 2015, 49, 8048-8056.	10.0	21
26	Pulmonary Toxicity of Instilled Silver Nanoparticles: Influence of Size, Coating and Rat Strain. <i>PLoS ONE</i> , 2015, 10, e0119726.	2.5	94
27	Aqueous dispersions of oligomer-grafted carbon nanomaterials with controlled surface charge and minimal framework damage. <i>Faraday Discussions</i> , 2014, 173, 273-285.	3.2	7
28	Aqueous cationic, anionic and non-ionic multi-walled carbon nanotubes, functionalised with minimal framework damage, for biomedical application. <i>Biomaterials</i> , 2014, 35, 4729-4738.	11.4	40
29	The Stability of Silver Nanoparticles in a Model of Pulmonary Surfactant. <i>Environmental Science & Technology</i> , 2013, 47, 11232-11240.	10.0	99
30	Sulfidation of silver nanowires inside human alveolar epithelial cells: a potential detoxification mechanism. <i>Nanoscale</i> , 2013, 5, 9839.	5.6	56
31	High-Resolution Analytical Electron Microscopy Reveals Cell Culture Media-Induced Changes to the Chemistry of Silver Nanowires. <i>Environmental Science & Technology</i> , 2013, 47, 13813-13821.	10.0	33
32	Ultra-structural defects cause low bone matrix stiffness despite high mineralization in osteogenesis imperfecta mice. <i>Bone</i> , 2012, 50, 1317-1323.	2.9	80
33	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. <i>Nanoscale</i> , 2011, 3, 2627.	5.6	110