

# Alexander Gogos

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,981  
citations

623188

14  
h-index

552369

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2828  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical evaluation of nanopesticides and nanofertilizers against their conventional analogues. <i>Nature Nanotechnology</i> , 2018, 13, 677-684.	15.6	685
2	Nanomaterials in Plant Protection and Fertilization: Current State, Foreseen Applications, and Research Priorities. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9781-9792.	2.4	629
3	Quantification of Carbon Nanotubes in Environmental Matrices: Current Capabilities, Case Studies, and Future Prospects. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4587-4605.	4.6	104
4	Potential of Hyperspectral Imaging Microscopy for Semi-quantitative Analysis of Nanoparticle Uptake by Protozoa. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8760-8767.	4.6	84
5	Effects of titanium dioxide nanoparticles on soil microbial communities and wheat biomass. <i>Soil Biology and Biochemistry</i> , 2017, 111, 85-93.	4.2	73
6	Key principles and operational practices for improved nanotechnology environmental exposure assessment. <i>Nature Nanotechnology</i> , 2020, 15, 731-742.	15.6	66
7	Vertical transport and plant uptake of nanoparticles in a soil mesocosm experiment. <i>Journal of Nanobiotechnology</i> , 2016, 14, 40.	4.2	64
8	Sulfidation kinetics of copper oxide nanoparticles. <i>Environmental Science: Nano</i> , 2017, 4, 1733-1741.	2.2	33
9	Capabilities of asymmetric flow field-flow fractionation coupled to multi-angle light scattering to detect carbon nanotubes in soot and soil. <i>Environmental Science: Nano</i> , 2014, 1, 584-594.	2.2	26
10	Effects of Titanium Dioxide Nanoparticles on Red Clover and Its Rhizobial Symbiont. <i>PLoS ONE</i> , 2016, 11, e0155111.	1.1	25
11	Antibiofilm activity of nanosilver coatings against <i>Staphylococcus aureus</i> . <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3141-3150.	5.0	25
12	Quantification of individual Rare Earth Elements from industrial sources in sewage sludge. <i>Water Research X</i> , 2021, 11, 100092.	2.8	23
13	Assessment of suitability of tree species for the production of biomass on trace element contaminated soils. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 233-239.	6.5	20
14	Transformation of Nanoscale and Ionic Cu and Zn during the Incineration of Digested Sewage Sludge (Biosolids). <i>Environmental Science &amp; Technology</i> , 2019, 53, 11704-11713.	4.6	19
15	Inorganic nanohybrids combat antibiotic-resistant bacteria hiding within human macrophages. <i>Nanoscale</i> , 2021, 13, 8224-8234.	2.8	14
16	Influence of organic compounds on the sulfidation of copper oxide nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 2560-2569.	2.2	13
17	Transformation of cerium dioxide nanoparticles during sewage sludge incineration. <i>Environmental Science: Nano</i> , 2019, 6, 1765-1776.	2.2	13
18	Acetone Sensing and Catalytic Conversion by Pd-Loaded SnO <sub>2</sub> . <i>Materials</i> , 2021, 14, 5921.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Tailoring the Colloidal Stability, Magnetic Separability, and Cytocompatibility of High-Capacity Magnetic Anion Exchangers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48341-48351.	4.0	9
20	Quantification of anthropogenic and geogenic Ce in sewage sludge based on Ce oxidation state and rare earth element patterns. <i>Water Research X</i> , 2020, 9, 100059.	2.8	9
21	Scalable Synthesis of Ultrasmall Metal Oxide Radio-Enhancers Outperforming Gold. <i>Chemistry of Materials</i> , 2021, 33, 3098-3112.	3.2	9
22	Correlative Cathodoluminescence Electron Microscopy: Immunolabeling Using Rare Earth Element Doped Nanoparticles. <i>Small</i> , 2020, 16, 2004615.	5.2	8
23	Uptake, distribution and radio-enhancement effects of gold nanoparticles in tumor microtissues. <i>Nanoscale Advances</i> , 2020, 2, 2992-3001.	2.2	7
24	Synchrotron hard X-ray chemical imaging of trace element speciation in heterogeneous samples: development of criteria for uncertainty analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 567-579.	1.6	6
25	Release of gold (Au), silver (Ag) and cerium dioxide (CeO <sub>2</sub> ) nanoparticles from sewage sludge incineration ash. <i>Environmental Science: Nano</i> , 2021, 8, 3220-3232.	2.2	4
26	Bi <sub>2</sub> O <sub>3</sub> boosts brightness, biocompatibility and stability of Mn-doped Ba <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> as NIR-II contrast agent. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3038-3046.	2.9	2