

Arm Afrooz

List of Publications by Citations

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

969
citations

19
h-index

25
g-index

25
ext. papers

1,106
ext. citations

6.3
avg, IF

4.34
L-index

#	Paper	IF	Citations
23	Effects of chloride and ionic strength on physical morphology, dissolution, and bacterial toxicity of silver nanoparticles. <i>Environmental Science & Technology</i> , 2014 , 48, 761-9	10.3	141
22	The effect of TiO ₂ and Ag nanoparticles on reproduction and development of <i>Drosophila melanogaster</i> and CD-1 mice. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 429-36	4.6	102
21	Does shape matter? Bioeffects of gold nanomaterials in a human skin cell model. <i>Langmuir</i> , 2012 , 28, 3248-58	4	101
20	Investigating the effects of functionalized carbon nanotubes on reproduction and development in <i>Drosophila melanogaster</i> and CD-1 mice. <i>Reproductive Toxicology</i> , 2011 , 32, 442-8	3.4	75
19	Mechanistic heteroaggregation of gold nanoparticles in a wide range of solution chemistry. <i>Environmental Science & Technology</i> , 2013 , 47, 1853-60	10.3	69
18	Effects of submerged zone, media aging, and antecedent dry period on the performance of biochar-amended biofilters in removing fecal indicators and nutrients from natural stormwater. <i>Ecological Engineering</i> , 2017 , 102, 320-330	3.9	50
17	Chirality affects aggregation kinetics of single-walled carbon nanotubes. <i>Environmental Science & Technology</i> , 2013 , 47, 1844-52	10.3	47
16	Spheres vs. rods: the shape of gold nanoparticles influences aggregation and deposition behavior. <i>Chemosphere</i> , 2013 , 91, 93-8	8.4	42
15	Tracking and quantification of single-walled carbon nanotubes in fish using near infrared fluorescence. <i>Environmental Science & Technology</i> , 2014 , 48, 1973-83	10.3	40
14	Emergent Properties and Toxicological Considerations for Nanohybrid Materials in Aquatic Systems. <i>Nanomaterials</i> , 2014 , 4, 372-407	5.4	36
13	Single-walled carbon nanotubes increase pandemic influenza A H1N1 virus infectivity of lung epithelial cells. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 66	8.4	31
12	Co-transport of gold nanospheres with single-walled carbon nanotubes in saturated porous media. <i>Water Research</i> , 2016 , 99, 7-15	12.5	31
11	Examination of Single-Walled Carbon Nanotubes Uptake and Toxicity from Dietary Exposure: Tracking Movement and Impacts in the Gastrointestinal System. <i>Nanomaterials</i> , 2015 , 5, 1066-1086	5.4	29
10	Conventional and amended bioretention soil media for targeted pollutant treatment: A critical review to guide the state of the practice. <i>Water Research</i> , 2021 , 189, 116648	12.5	26
9	Effect of gold nanosphere surface chemistry on protein adsorption and cell uptake in vitro. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 327-37	3.2	25
8	<i>Escherichia coli</i> Removal in Biochar-Modified Biofilters: Effects of Biofilm. <i>PLoS ONE</i> , 2016 , 11, e0167489	3.7	24
7	Indicator and Pathogen Removal by Low Impact Development Best Management Practices. <i>Water (Switzerland)</i> , 2016 , 8, 600	3	23

6	Fractal structures of single-walled carbon nanotubes in biologically relevant conditions: role of chirality vs. media conditions. <i>Chemosphere</i> , 2013 , 93, 1997-2003	8.4	20
5	Fecal indicator bacteria and virus removal in stormwater biofilters: Effects of biochar, media saturation, and field conditioning. <i>PLoS ONE</i> , 2019 , 14, e0222719	3.7	19
4	Role of microbial cell properties on bacterial pathogen and coliphage removal in biochar-modified stormwater biofilters. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 2160-2169	4.2	17
3	Change in Chirality of Semiconducting Single-Walled Carbon Nanotubes Can Overcome Anionic Surfactant Stabilization: A Systematic Study of Aggregation Kinetics. <i>Environmental Chemistry</i> , 2015 , 12, 652-661	3.2	9
2	Aggregate size and structure determination of nanomaterials in physiological media: importance of dynamic evolution. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	6
1	Aggregation Kinetics and Fractal Dimensions of Nanomaterials in Environmental Systems 2016 , 139-159		3