Zikri Arslan

List of Publications by Year
in descending order

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40 papers	1,399 citations	394421 19 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	2070 citing authors

#	Article	IF	Citations
1	Evaluating hydrogeochemical characteristics of groundwater and surface water in the Upper Pearl River Watershed, USA. Environmental Monitoring and Assessment, 2021, 193, 296.	2.7	6
2	Assessment of Oxidative Stress on Artemia salina and Daphnia magna After Exposure to Zn and ZnO Nanoparticles. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 206-214.	2.7	18
3	Assessment of impact of Î±â€Fe₂O₃ and Î³â€Fe₂O₃ nanoparticles on phytoplankton species <scp>Selenastrum capricornutum</scp> and Nannochloropsis oculata. Environmental Toxicology, 2020, 35, 385-394.	4.0	20
4	An Evaluation Research About Effects of Characterized Cadmium Selenide (CdSe) and Lead Selenide (PbSe) Quantum Dots on Brine Shrimp (Artemia salina). Bulletin of Environmental Contamination and Toxicology, 2020, 105, 372-380.	2.7	2
5	Rapid Screening for Uranium in Soils Using Field-Portable X-ray Fluorescence Spectrometer: A Comparative Study. ACS Earth and Space Chemistry, 2020, 4, 211-217.	2.7	13
6	Phytotoxic effect of silver nanoparticles on seed germination and growth of terrestrial plants. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2019, 37, 330-355.	2.9	33
7	Electrokinetic-enhanced phytoremediation of uranium-contaminated soil using sunflower and Indian mustard. International Journal of Phytoremediation, 2019, 21, 1197-1204.	3.1	22
8	Laboratory spiking process of soil with various uranium and other heavy metals. MethodsX, 2019, 6, 734-739.	1.6	7
9	Kinetics and Thermodynamics of Uranium (VI) Adsorption onto Humic Acid Derived from Leonardite. International Journal of Environmental Research and Public Health, 2019, 16, 1552.	2.6	10
10	Toxicity of As in Crassostrea virginica (Gmelin, 1791) from the Northern Gulf of Mexico at the presence of Zn and its antioxidant defense mechanisms. Ecotoxicology and Environmental Safety, 2019, 172, 514-522.	6.0	17
11	Novel Magnetic Nanocarbon and Its Adsorption of Hg and Pb from Water. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	8
12	Influences of U Sources and Forms on Its Bioaccumulation in Indian Mustard and Sunflower. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	18
13	Novel Imprinted Polymer for the Preconcentration of Cadmium with Determination by Inductively Coupled Plasma Mass Spectrometry. Analytical Letters, 2017, 50, 482-499.	1.8	14
14	Profiling metals in Cordyceps sinensis by using inductively coupled plasma mass spectrometry. Analytical Methods, 2017, 9, 724-728.	2.7	12
15	Trace Elements and Heavy Metals in Asian Rice-Derived Food Products. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	8
16	Effects of Operation Variables and Electro-kinetic Field on Soil Washing of Arsenic and Cesium with Potassium Phosphate. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	8
17	Removing uranium (VI) from aqueous solution with insoluble humic acid derived from leonardite. Journal of Environmental Radioactivity, 2017, 180, 1-8.	1.7	21
18	Effects of subchronic exposure to zinc nanoparticles on tissue accumulation, serum biochemistry, and histopathological changes in tilapia (Oreochromis niloticus). Environmental Toxicology, 2017, 32, 1213-1225.	4.0	14

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19	Assessment of Crystal Morphology on Uptake, Particle Dissolution, and Toxicity of Nanoscale Titanium Dioxide on Artemia Salina. Journal of Nanotoxicology and Nanomedicine, 2017, 2, 11-27.	0.7	14
20	Mechanistic Study of the Synergistic Antibacterial Activity of Combined Silver Nanoparticles and Common Antibiotics. Environmental Science & Technology, 2016, 50, 8840-8848.	10.0	210
21	Binding, fractionation, and distribution of Cs, Co, and Sr in a US coastal soil under saturated and field capacity moisture regimes. Journal of Soils and Sediments, 2016, 16, 497-508.	3.0	8
22	Remediation of lead-, arsenic-, and cesium-contaminated soil using consecutive washing enhanced with electro-kinetic field. Journal of Soils and Sediments, 2016, 16, 2344-2353.	3.0	12
23	Chronic exposure of tilapia (Oreochromis niloticus) to iron oxide nanoparticles: Effects of particle morphology on accumulation, elimination, hematology and immune responses. Aquatic Toxicology, 2016, 177, 22-32.	4.0	48
24	Electro-kinetic remediation coupled with phytoremediation to remove lead, arsenic and cesium from contaminated paddy soil. Ecotoxicology and Environmental Safety, 2016, 125, 16-24.	6.0	92
25	Toxicity of Engineered Nickel Oxide and Cobalt Oxide Nanoparticles to Artemia salina in Seawater. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	49
26	A comparative toxicity study between small and large size zinc oxide nanoparticles in tilapia (Oreochromis niloticus): Organ pathologies, osmoregulatory responses and immunological parameters. Chemosphere, 2016, 144, 571-582.	8.2	94
27	Solid Phase Extraction of Trace Elements in Water and Tissue Samples on a Mini Column with Diphenylcarbazone Impregnated Nanoâ€TiO₂ and Their Determination by Inductively Coupled Plasma Optical Emission Spectrometry. Clean - Soil, Air, Water, 2015, 43, 822-829.	1.1	9
28	Water Quality of Four Major Lakes in Mississippi, USA: Impacts on Human and Aquatic Ecosystem Health. Water (Switzerland), 2015, 7, 4999-5030.	2.7	22
29	Trace elements and heavy metals in the Grand Bay National Estuarine Reserve in the northern Gulf of Mexico. Marine Pollution Bulletin, 2015, 99, 61-69.	5.0	17
30	Effects of zinc oxide nanoparticles on bioaccumulation and oxidative stress in different organs of tilapia (Oreochromis niloticus). Environmental Toxicology and Pharmacology, 2015, 40, 936-947.	4.0	82
31	Adsorption of Cs from Water on Surface-Modified MCM-41 Mesosilicate. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	30
32	Bio-Conjugated CNT-Bridged 3D Porous Graphene Oxide Membrane for Highly Efficient Disinfection of Pathogenic Bacteria and Removal of Toxic Metals from Water. ACS Applied Materials & Interfaces, 2015, 7, 19210-19218.	8.0	81
33	Influence of Alpha and Gamma-Iron Oxide Nanoparticles on Marine Microalgae Species. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 752-757.	2.7	38
34	Efficient generation of volatile cadmium species using Ti(III) and Ti(IV) and application to determination of cadmium by cold vapor generation inductively coupled plasma mass spectrometry (CVG-ICP-MS). Microchemical Journal, 2015, 123, 170-178.	4.5	15
35	Selective solid phase extraction of copper using a new Cu(II)-imprinted polymer and determination by inductively coupled plasma optical emission spectroscopy (ICP-OES). Microchemical Journal, 2014, 114, 65-72.	4.5	82
36	Multielement Solid Phase Preconcentration Using a Chelating Resin of Styrene Divinylbenzene Copolymer and Application for the Analysis of Seawater and Fish Otoliths by Inductively Coupled Plasma Mass Spectrometry (ICP-MS). Analytical Letters, 2014, 47, 58-76.	1.8	12

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37	Effects of aqueous suspensions of titanium dioxide nanoparticles on Artemia salina: assessment of nanoparticle aggregation, accumulation, and toxicity. Environmental Monitoring and Assessment, 2013, 185, 3339-3348.	2.7	120
38	Bioaccumulation, Subacute Toxicity, and Tissue Distribution of Engineered Titanium Dioxide Nanoparticles in Goldfish (Carassius auratus). Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	51
39	Probing metabolic stability of CdSe nanoparticles: Alkaline extraction of free cadmium from liver and kidney samples of rats exposed to CdSe nanoparticles. Journal of Hazardous Materials, 2011, 192, 192-9.	12.4	41
40	Analysis of fish otoliths by electrothermal vaporization inductively coupled plasma mass spectrometry: aspects of precipitating otolith calcium with hydrofluoric acid for trace element determination. Talanta, 2005, 65, 1326-1334.	5.5	21