

Zikri Arslan

List of Publications by Year in descending order

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Version: 2024-02-01

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	Mechanistic Study of the Synergistic Antibacterial Activity of Combined Silver Nanoparticles and Common Antibiotics. <i>Environmental Science & Technology</i> , 2016, 50, 8840-8848.	10.0	210
2	Effects of aqueous suspensions of titanium dioxide nanoparticles on <i>Artemia salina</i> : assessment of nanoparticle aggregation, accumulation, and toxicity. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3339-3348.	2.7	120
3	A comparative toxicity study between small and large size zinc oxide nanoparticles in tilapia (<i>Oreochromis niloticus</i>): Organ pathologies, osmoregulatory responses and immunological parameters. <i>Chemosphere</i> , 2016, 144, 571-582.	8.2	94
4	Electro-kinetic remediation coupled with phytoremediation to remove lead, arsenic and cesium from contaminated paddy soil. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 16-24.	6.0	92
5	Selective solid phase extraction of copper using a new Cu(II)-imprinted polymer and determination by inductively coupled plasma optical emission spectroscopy (ICP-OES). <i>Microchemical Journal</i> , 2014, 114, 65-72.	4.5	82
6	Effects of zinc oxide nanoparticles on bioaccumulation and oxidative stress in different organs of tilapia (<i>Oreochromis niloticus</i>). <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 936-947.	4.0	82
7	Bio-Conjugated CNT-Bridged 3D Porous Graphene Oxide Membrane for Highly Efficient Disinfection of Pathogenic Bacteria and Removal of Toxic Metals from Water. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19210-19218.	8.0	81
8	Bioaccumulation, Subacute Toxicity, and Tissue Distribution of Engineered Titanium Dioxide Nanoparticles in Goldfish (<i>Carassius auratus</i>). <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	51
9	Toxicity of Engineered Nickel Oxide and Cobalt Oxide Nanoparticles to <i>Artemia salina</i> in Seawater. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	49
10	Chronic exposure of tilapia (<i>Oreochromis niloticus</i>) to iron oxide nanoparticles: Effects of particle morphology on accumulation, elimination, hematology and immune responses. <i>Aquatic Toxicology</i> , 2016, 177, 22-32.	4.0	48
11	Probing metabolic stability of CdSe nanoparticles: Alkaline extraction of free cadmium from liver and kidney samples of rats exposed to CdSe nanoparticles. <i>Journal of Hazardous Materials</i> , 2011, 192, 192-9.	12.4	41
12	Influence of Alpha and Gamma-Iron Oxide Nanoparticles on Marine Microalgae Species. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 752-757.	2.7	38
13	Phytotoxic effect of silver nanoparticles on seed germination and growth of terrestrial plants. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2019, 37, 330-355.	2.9	33
14	Adsorption of Cs from Water on Surface-Modified MCM-41 Mesosilicate. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	30
15	Water Quality of Four Major Lakes in Mississippi, USA: Impacts on Human and Aquatic Ecosystem Health. <i>Water (Switzerland)</i> , 2015, 7, 4999-5030.	2.7	22
16	Electrokinetic-enhanced phytoremediation of uranium-contaminated soil using sunflower and Indian mustard. <i>International Journal of Phytoremediation</i> , 2019, 21, 1197-1204.	3.1	22
17	Analysis of fish otoliths by electrothermal vaporization inductively coupled plasma mass spectrometry: aspects of precipitating otolith calcium with hydrofluoric acid for trace element determination. <i>Talanta</i> , 2005, 65, 1326-1334.	5.5	21
18	Removing uranium (VI) from aqueous solution with insoluble humic acid derived from leonardite. <i>Journal of Environmental Radioactivity</i> , 2017, 180, 1-8.	1.7	21

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19	Assessment of impact of Fe_2O_3 and Fe_2O_3 nanoparticles on phytoplankton species <i>Selenastrum capricornutum</i> and <i>Nannochloropsis oculata</i> . <i>Environmental Toxicology</i> , 2020, 35, 385-394.	4.0	20
20	Influences of U Sources and Forms on Its Bioaccumulation in Indian Mustard and Sunflower. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	18
21	Assessment of Oxidative Stress on <i>Artemia salina</i> and <i>Daphnia magna</i> After Exposure to Zn and ZnO Nanoparticles. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 206-214.	2.7	18
22	Trace elements and heavy metals in the Grand Bay National Estuarine Reserve in the northern Gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2015, 99, 61-69.	5.0	17
23	Toxicity of As in <i>Crassostrea virginica</i> (Gmelin, 1791) from the Northern Gulf of Mexico at the presence of Zn and its antioxidant defense mechanisms. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 514-522.	6.0	17
24	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). <i>Microchemical Journal</i> , 2015, 123, 170-178.	4.5	15
25	Novel Imprinted Polymer for the Preconcentration of Cadmium with Determination by Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Letters</i> , 2017, 50, 482-499.	1.8	14
26	Effects of subchronic exposure to zinc nanoparticles on tissue accumulation, serum biochemistry, and histopathological changes in tilapia (<i>Oreochromis niloticus</i>). <i>Environmental Toxicology</i> , 2017, 32, 1213-1225.	4.0	14
27	Assessment of Crystal Morphology on Uptake, Particle Dissolution, and Toxicity of Nanoscale Titanium Dioxide on <i>Artemia Salina</i> . <i>Journal of Nanotoxicology and Nanomedicine</i> , 2017, 2, 11-27.	0.7	14
28	Rapid Screening for Uranium in Soils Using Field-Portable X-ray Fluorescence Spectrometer: A Comparative Study. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 211-217.	2.7	13
29	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). <i>Analytical Letters</i> , 2014, 47, 58-76.	1.8	12
30	Remediation of lead-, arsenic-, and cesium-contaminated soil using consecutive washing enhanced with electro-kinetic field. <i>Journal of Soils and Sediments</i> , 2016, 16, 2344-2353.	3.0	12
31	Profiling metals in <i>Cordyceps sinensis</i> by using inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 724-728.	2.7	12
32	Kinetics and Thermodynamics of Uranium (VI) Adsorption onto Humic Acid Derived from Leonardite. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1552.	2.6	10
33	Solid Phase Extraction of Trace Elements in Water and Tissue Samples on a Mini Column with Diphenylcarbazone Impregnated TiO_2 and Their Determination by Inductively Coupled Plasma Optical Emission Spectrometry. <i>Clean - Soil, Air, Water</i> , 2015, 43, 822-829.	1.1	9
34	Binding, fractionation, and distribution of Cs, Co, and Sr in a US coastal soil under saturated and field capacity moisture regimes. <i>Journal of Soils and Sediments</i> , 2016, 16, 497-508.	3.0	8
35	Trace Elements and Heavy Metals in Asian Rice-Derived Food Products. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	8
36	Effects of Operation Variables and Electro-kinetic Field on Soil Washing of Arsenic and Cesium with Potassium Phosphate. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	8

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37	Novel Magnetic Nanocarbon and Its Adsorption of Hg and Pb from Water. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	8
38	Laboratory spiking process of soil with various uranium and other heavy metals. <i>MethodsX</i> , 2019, 6, 734-739.	1.6	7
39	Evaluating hydrogeochemical characteristics of groundwater and surface water in the Upper Pearl River Watershed, USA. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 296.	2.7	6
40	An Evaluation Research About Effects of Characterized Cadmium Selenide (CdSe) and Lead Selenide (PbSe) Quantum Dots on Brine Shrimp (<i>Artemia salina</i>). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 372-380.	2.7	2