

Abueliz Modwi

List of Publications by Year in descending order

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papers

862
citations

489802

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591227

27
g-index

45
all docs

45
docs citations

45
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient removal of organic dyes by Cr-doped ZnO nanoparticles. Biomass Conversion and Biorefinery, 2024, 14, 4177-4190.	2.9	6
2	Adsorption performance and Kinetics study of Pb(II) by RuO ₂ @ZnO nanocomposite: Construction and Recyclability. International Journal of Environmental Science and Technology, 2022, 19, 327-340.	1.8	15
3	Yttrium oxide-doped ZnO for effective adsorption of basic fuchsin dye: equilibrium, kinetics, and mechanism studies. International Journal of Environmental Science and Technology, 2022, 19, 9901-9914.	1.8	13
4	Mesoporous Sn@TiO ₂ nanostructures as excellent adsorbent for Ba ions in aqueous solution. Ceramics International, 2022, 48, 5805-5813.	2.3	18
5	Superior removal of dyes by mesoporous MgO/g-C ₃ N ₄ fabricated through ultrasound method: Adsorption mechanism and process modeling. Environmental Research, 2022, 205, 112543.	3.7	43
6	Impact of Cu Ions removal onto MgO nanostructures: adsorption capacity and mechanism. Journal of Materials Science: Materials in Electronics, 2022, 33, 12500-12512.	1.1	10
7	Superior uptake of Cu(II) from aquatic animals via P- β -iminomadi $\frac{12}{17}$	1.9	12
8	Adsorption behavior of barium ions onto ZnO surfaces: Experiments associated with DFT calculations. Journal of Molecular Structure, 2021, 1223, 128991.	1.8	27
9	Physicochemical and photocatalytic performance of the synthesized RuO ₂ -ZnO photo-composite in the presence of pectinose solution. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100403.	1.7	3
10	Fabrication of (Y ₂ O ₃)@ZnO nanocomposites by high-energy milling as potential photocatalysts. Journal of Materials Science: Materials in Electronics, 2021, 32, 3415-3430.	1.1	13
11	Fabrication of Cr@ZnO photocatalyst by starch-assisted sol-gel method for photodegradation of congo red under visible light. Journal of Materials Science: Materials in Electronics, 2021, 32, 2234-2248.	1.1	19
12	TiO ₂ @ZnO composites fabricated via sonication assisted with gelatin for potential use in Rhodamine B degradation. Journal of Materials Science: Materials in Electronics, 2021, 32, 2471-2485.	1.1	7
13	Efficient photodegradation of azucryl red by copper-doped TiO ₂ nanoparticles experimental and modeling studies. Environmental Science and Pollution Research, 2021, 28, 57543-57556.	2.7	12
14	Exploration of Methylene Blue Degradation over ZnO Nanorods Mechanism using Scavenging Reagents. Oriental Journal of Chemistry, 2021, 37, 609-618.	0.1	7
15	Adsorption Behavior of Congo Red onto Barium-Doped ZnO Nanoparticles: Correlation between Experimental Results and DFT Calculations. Langmuir, 2021, 37, 7285-7294.	1.6	32
16	Impact of Sn ions on structural and electrical description of TiO ₂ nanoparticles. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 835-846.	0.7	1
17	Application of Bi ₂ ZnO ₂ Sillenite as an Efficient Photocatalyst for Wastewater Treatment: Removal of Both Organic and Inorganic Compounds. Materials, 2021, 14, 5409.	1.3	17
18	Boosting unprecedented indigo carmine dye photodegradation via mesoporous MgO@g-C ₃ N ₄ nanocomposite. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 419, 113467.	2.0	39

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19	Mesoporous TiO ₂ @g-C ₃ N ₄ composite: construction, characterization, and boosting indigo carmine dye destruction. <i>Diamond and Related Materials</i> , 2021, 118, 108491.	1.8	48
20	Dependence of the electrical properties of Cu-doped ZnO nanoparticles decorated by Ag atoms. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 745-767.	1.4	7
21	Reduced graphene oxide/spinel ferrite nanocomposite as an efficient adsorbent for the removal of Pb (II) from aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28253-28274.	1.1	8
22	Structural and Electrical Characterization of Ba/ZnO Nanoparticles Fabricated by Co-precipitation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2633-2644.	1.9	26
23	Effect of aluminum loading on structural and morphological characteristics of ZnO nanoparticles for heavy metal ion elimination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3086-3099.	2.7	20
24	Impact of Hibiscus extract on the structural and activity of sonochemically fabricated ZnO nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112263.	2.0	18
25	Dependence of the electrical properties of Cu-doped ZnO nanoparticles decorated by Ag atoms. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, .	1.4	2
26	Photo-degradation of a mixture of dyes using Barium doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14714-14725.	1.1	20
27	Simplistic Synthesis and Enhanced Photocatalytic Performance of Spherical ZnO Nanoparticles Prepared from Arabinose Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 74, 937-944.	0.7	9
28	Green and sonogreen synthesis of zinc oxide nanoparticles for the photocatalytic degradation of methylene blue in water. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	2.0	25
29	Physicochemical behavior of M doped Zn _{0.95} Cu _{0.05} O nanocomposites synthesized by facile sol-gel method. <i>Materials Research Express</i> , 2019, 6, 0850g4.	0.8	2
30	Dependence of phase distribution and magnetic properties of milled and annealed ZnO·Fe ₂ O ₃ nanostructures as efficient adsorbents of heavy metals. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9683-9694.	1.1	5
31	Fabrication and characterization of nanostructured MgO·Fe ₂ O ₃ composite by mechanical milling as efficient adsorbent of heavy metals. <i>Journal of Alloys and Compounds</i> , 2019, 772, 1030-1039.	2.8	21
32	Silver decorated Cu/ZnO photocomposite: efficient green degradation of malachite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3629-3638.	1.1	18
33	Structural, surface area and FTIR characterization of Zn _{0.95} xCu _{0.05} Fe _{0.0} xO nanocomposites prepared via sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2184-2192.	1.1	7
34	Structural and optical characteristic of chalcone doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2791-2796.	1.1	12
35	Flower Buds Like MgO Nanoparticles: From Characterisation to Indigo Carmine Elimination. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 975-983.	0.7	25
36	Room temperature ferromagnetism in Ni, Fe and Ag co-doped Cu-ZnO nanoparticles: an experimental and first-principles DFT study. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14387-14395.	1.1	3

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37	Lowering energy band gap and enhancing photocatalytic properties of Cu/ZnO composite decorated by transition metals. <i>Journal of Molecular Structure</i> , 2018, 1173, 1-6.	1.8	51
38	Fast and high efficiency adsorption of Pb(II) ions by Cu/ZnO composite. <i>Materials Letters</i> , 2017, 195, 41-44.	1.3	31
39	Ferromagnetism at room temperature in Zn _{0.95} Cu _{0.05} O nanoparticles synthesized by sol-gel method. <i>Materials Letters</i> , 2017, 194, 98-101.	1.3	14
40	Efficient Removal of Cobalt from Aqueous Solution by Zinc Oxide Nanoparticles: Kinetic and Thermodynamic Studies. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 409-418.	0.7	21
41	Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications. <i>Optik</i> , 2017, 145, 529-533.	1.4	18
42	Adsorption kinetics and photocatalytic degradation of malachite green (MG) via Cu/ZnO nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5954-5960.	3.3	37
43	Effect of annealing on physicochemical and photocatalytic activity of Cu5% loading on ZnO synthesized by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12974-12984.	1.1	41
44	Preparation and characterization of Ca-doped zinc oxide nanoparticles for heavy metal removal from aqueous solution. <i>MRS Advances</i> , 2016, 1, 3607-3612.	0.5	17
45	Ga-doped ZnO for adsorption of heavy metals from aqueous solution. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 102-106.	1.9	62