

Ali Reza Amani-Ghadim

List of Publications by Year in descending order

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44
papers

1,726
citations

279487

23
h-index

276539

41
g-index

44
all docs

44
docs citations

44
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization of C.I. Acid Blue 9 solution by UV/Nano-TiO ₂ , Fenton, Fenton-like, electro-Fenton and electrocoagulation processes: A comparative study. <i>Journal of Hazardous Materials</i> , 2009, 161, 1225-1233.	6.5	279
2	Decolorization of C.I. Acid Yellow 23 solution by electrocoagulation process: Investigation of operational parameters and evaluation of specific electrical energy consumption (SEEC). <i>Journal of Hazardous Materials</i> , 2007, 148, 566-572.	6.5	210
3	Removal of Cr(VI) from polluted solutions by electrocoagulation: Modeling of experimental results using artificial neural network. <i>Journal of Hazardous Materials</i> , 2009, 171, 484-490.	6.5	166
4	Optimization of electrocoagulation process for removal of an azo dye using response surface methodology and investigation on the occurrence of destructive side reactions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 64, 68-78.	1.8	123
5	Enhanced adsorption of Acid Red 14 by co-assembled LDH/MWCNTs nanohybrid: Optimization, kinetic and isotherm. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1286-1294.	2.9	61
6	Modeling of photocatalytic process on synthesized ZnO nanoparticles: Kinetic model development and artificial neural networks. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 539-546.	10.8	61
7	ZnS quantum dot intercalated layered double hydroxide semiconductors for solar water splitting and organic pollutant degradation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11408-11422.	5.2	57
8	Synthesis of rod-like Fe^{II} -FeOOH nanoparticles and its photocatalytic activity in degradation of an azo dye: Empirical kinetic model development. <i>Journal of Molecular Catalysis A</i> , 2015, 408, 60-68.	4.8	52
9	Non-Calcined Layer-Pillared $\text{Mn}_{0.5}\text{Zn}_{0.5}$ Bimetallic Organic Framework as a Promising Electrocatalyst for Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 9514-9522.	1.9	47
10	Praseodymium-doped ZnS nanomaterials: Hydrothermal synthesis and characterization with enhanced visible light photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 41-50.	2.9	43
11	Visible-light photocatalytic activity of chitosan/polyaniline/CdS nanocomposite: Kinetic studies and artificial neural network modeling. <i>Applied Catalysis A: General</i> , 2016, 514, 60-70.	2.2	39
12	Microwave absorption properties of polypyrrole-SrFe ₁₂ O ₁₉ -TiO ₂ -epoxy resin nanocomposites: Optimization using response surface methodology. <i>Applied Surface Science</i> , 2016, 383, 9-18.	3.1	38
13	Synthesis and characterization of samarium-doped ZnS nanoparticles: A novel visible light responsive photocatalyst. <i>Materials Research Bulletin</i> , 2016, 76, 411-421.	2.7	37
14	Effect of gadolinium doping on visible light photocatalytic performance of Ag ₃ PO ₄ : Evaluation of activity in degradation of an anthraquinone dye and mechanism study. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 257-270.	4.8	36
15	Neodymium doped mixed metal oxide derived from CoAl-layered double hydroxide: Considerable enhancement in visible light photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 311-324.	2.9	34
16	The role of carbon nanotube in zinc stannate photocatalytic performance improvement: Experimental and kinetic evidences. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 559-568.	10.8	33
17	Use of hydrophilic polymeric stabilizer to improve strength and durability of fine-grained soils. <i>Cold Regions Science and Technology</i> , 2019, 157, 187-195.	1.6	32
18	Influence of solvent type on the characteristics and photocatalytic activity of TiO ₂ nanoparticles prepared by the sol-gel method. <i>Micro and Nano Letters</i> , 2011, 6, 244.	0.6	29

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19	FeO nanoparticles improve physiological and antioxidative attributes of sunflower (<i>Helianthus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	28
20	Performance of chitosan based nanocomposite hollow fibers in the removal of selenium(IV) from water. <i>Chemical Engineering Research and Design</i> , 2017, 117, 309-317.	2.7	26
21	Preparation of CdS quantum dot sensitized solar cell based on ZnTi-layered double hydroxide photoanode to enhance photovoltaic properties. <i>Solar Energy</i> , 2019, 181, 325-332.	2.9	26
22	Visible light photocatalytic activity enhancing of MTiO ₃ perovskites by M cation (M = Co, Cu, and Ni) substitution and Gadolinium doping. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112461.	2.0	26
23	Fabrication of a novel ZnO/MMO/CNT nanohybrid derived from multi-cationic layered double hydroxide for photocatalytic degradation of azo dye under visible light. <i>RSC Advances</i> , 2015, 5, 19675-19685.	1.7	25
24	Improving photocatalytic activity of the ZnS QDs via lanthanide doping and photosensitizing with GO and g-C ₃ N ₄ for degradation of an azo dye and bisphenol-A under visible light irradiation. <i>Chemosphere</i> , 2022, 295, 133917.	4.2	21
25	Removal of the Alphazurine FG Dye from Simulated Solution by Electrocoagulation. <i>Clean - Soil, Air, Water</i> , 2010, 38, 401-408.	0.7	20
26	Structural properties and photocatalytic degradation efficiency of CuO and erbium doped CuO nanostructures prepared by thermal decomposition of some Cu-salophen type complexes as precursors. <i>Materials Chemistry and Physics</i> , 2020, 243, 122635.	2.0	19
27	Combination of perovskite and magnetic inverse spinel structures to improve microwave absorption properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 225, 75-85.	1.7	18
28	Screening of pectinase-producing bacteria from farmlands and optimization of enzyme production from selected strain by RSM. <i>Folia Microbiologica</i> , 2020, 65, 705-719.	1.1	18
29	Mg nanoparticles core-CdS QDs shell heterostructures with ZnS passivation layer for efficient quantum dot sensitized solar cell. <i>Electrochimica Acta</i> , 2019, 308, 25-34.	2.6	16
30	Loading GO/ZnFe ₂ O ₄ /NiO nanocomposite as a hybrid dielectric/magnetic material into polyurethane foam for induction of radar absorbing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5107-5116.	1.1	16
31	Improvement of microwave absorption properties of polyester coatings using NiFe ₂ O ₄ , X-doped g-C ₃ N ₄ (X = S, P, and O), and MTiO ₃ (M = Fe, Mg, and Zn) nanofillers. <i>Scientific Reports</i> , 2021, 11, 19339.	1.6	15
32	Comparative study of removal of reactive dye by LDHs: The effect of cation variety. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 372-381.	1.3	12
33	CdTe quantum dots incorporated in CoNiAl layered double hydroxide interlayer spaces as a highly efficient visible light driven photocatalyst for degradation of an azo dye and Bisphenol A. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162768.	2.8	10
34	Novel Visible Light Photocatalyst Based on Holmium-Doped Cadmium Sulfide: Synthesis, Characterization and Kinetics Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1-12.	1.9	9
35	Dysprosium doping in CdTe@CdS type II core/shell and cosensitizing with CdSe for photocurrent and efficiency enhancement in quantum dot sensitized solar cells. <i>Journal of Power Sources</i> , 2022, 539, 231624.	4.0	9
36	Mesoporous CuZnAl-layered double hydroxide/graphene oxide nanohybrid as an energy storage electrode for supercapacitor application. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	8

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37	Application of nanotechnology in drinking water purification. , 2017, , 119-167.		6
38	Sonochemical Synthesis, Characterization and Optical Properties of Tb-Doped CdSe Nanoparticles: Synergistic Effect between Photocatalysis and Sonocatalysis. Nanomaterials, 2021, 11, 378.	1.9	6
39	Photocatalytic activity enhancement of carbon-doped Ag_3N_4 by synthesis of nanocomposite with Ag_2O and Fe_2O_3 . Journal of the Chinese Chemical Society, 2021, 68, 2118-2131.	0.8	5
40	Enhancement in photovoltaic properties of exciplex quantum dot sensitized solar cells via gadolinium doping and formation of type II Core/Shell (Gd-doped CdS@CdSe) structure. Solar Energy, 2022, 231, 402-413.	2.9	5
41	Targeted design of polyaniline-graphene oxide, barium-strontium titanate, hard-soft ferrite, and polyester multi-phase nanocomposite for highly efficient microwave absorption. Ceramics International, 2021, 47, 21334-21342.	2.3	3
42	The role of MnO_2 /polyaniline/Y-type barium hexaferrite (Al_2Y) absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.	1.4	1
43	Abatement efficiency and fate of EPA-Listed PAHs in aqueous medium under simulated solar and UV-C irradiations, and combined process with TiO_2 and H_2O_2 . Su Akademi Dergisi, 2020, 37, 15-27.	0.1	1
44	Assessment of environmental applicability of TiO_2 coated self-cleaning glass for photocatalytic degradation of estrone, 17 β -estradiol and their byproducts. Su Akademi Dergisi, 2019, 36, 347-359.	0.1	0