

Somayeh Mirsadeghi

List of Publications by Year in descending order

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72
papers

3,505
citations

117453

34
h-index

143772

57
g-index

74
all docs

74
docs citations

74
times ranked

3421
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of polysaccharide biopolymers as natural adsorbent in sample preparation. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 2626-2653.	5.4	8
2	Hyperbranched polyethylenimine functionalized silica/polysulfone nanocomposite membranes for water purification. <i>Chemosphere</i> , 2022, 290, 133363.	4.2	43
3	The effect of metformin on cognitive function: A systematic review and meta-analysis. <i>Journal of Psychopharmacology</i> , 2022, 36, 666-679.	2.0	11
4	Supercritical Fluid Extraction of Pesticides and Insecticides from Food Samples and Plant Materials. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 1-20.	1.8	13
5	Rapid photodegradation and detection of zolpidem over Fe^{2+} - SnWO_4 and Fe^{3+} - SnWO_4 nanoparticles: optimization and mechanism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5430-5442.	2.7	5
6	Selective and sensitive detection of Cr(VI) pollution in waste water via polyaniline/sulfated zirconium dioxide/multi walled carbon nanotubes nanocomposite based electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128882.	4.0	33
7	UV and visible-assisted photocatalytic degradation of pharmaceutical pollutants in the presence of rational designed biogenic Fe_3O_4 -Au nanocomposite. <i>Environmental Science and Pollution Research</i> , 2021, 28, 33344-33354.	2.7	7
8	Au-modified organic/inorganic MWCNT/Cu/PANI hybrid nanocomposite electrode for electrochemical determination of nitrate ions. <i>Mikrochimica Acta</i> , 2021, 188, 99.	2.5	13
9	Nanostructured polyethersulfone nanocomposite membranes for dual protein and dye separation: Lower antifouling with lanthanum (III) vanadate nanosheets as a novel nanofiller. <i>Polymer Testing</i> , 2021, 94, 107040.	2.3	23
10	Recyclable methodology over bimetallic zero-valent Mg:Zn composition for hexavalent chromium remediation via batch and flow systems in industrial wastewater: an experimental design. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1-18.	2.6	8
11	<< MEMS-Based PVA/PPy/MIP Polymeric- Nanofiber Sensor Fabricated by LIFT-OFF Process for Detection 2,4-Dinitrotoluene Vapor. <i>IEEE Sensors Journal</i> , 2021, 21, 9492-9499.	2.4	5
12	Highly-efficient capture of chromium (VI) ions on electrospun polyacrylonitrile/diaminoglyoxime nanofiber: thermal stability, decomposition kinetics and tensile strength. <i>Journal of Materials Research and Technology</i> , 2021, 13, 25-37.	2.6	3
13	Construction of $\text{Fe}_3\text{O}_4/\text{SiO}_2$ /chitosan-grafted-poly(N-vinylcaprolactam) magnetic nanocomposite and their application in simultaneous extraction of Trans-resveratrol and its metabolites from rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122841.	1.2	9
14	Full-spectrum-responsive Bi_2S_3 @CdS S-scheme heterostructure with intimate ultrathin RGO toward photocatalytic Cr(VI) reduction and H_2O_2 production: Experimental and DFT studies. <i>Chemical Engineering Journal</i> , 2021, 419, 129530.	6.6	132
15	Superior degradation of organic pollutants and H_2O_2 generation ability on environmentally-sound constructed Fe_3O_4 -Cu nanocomposite. <i>Journal of Materials Research and Technology</i> , 2021, 14, 808-821.	2.6	17
16	Photocatalytic reduction of imatinib mesylate and imipenem on electrochemical synthesized $\text{Al}_2\text{W}_3\text{O}_{12}$ nanoparticle: Optimization, investigation of electrocatalytic and antimicrobial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124254.	2.3	27
17	Study of photocatalytic and electrocatalytic activities of calcium tungstate nanoparticles synthesized via surfactant-supported hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20255-20269.	1.1	7
18	Green-photodegradation of model pharmaceutical contaminations over biogenic Fe_3O_4 /Au nanocomposite and antimicrobial activity. <i>Journal of Environmental Management</i> , 2020, 270, 110831.	3.8	31

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19	Green and Simple Synthesis of Silver Nanoparticles by Aqueous Extract of <i>Perovskia abrotanoides</i> : Characterization, Optimization and Antimicrobial Activity. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1129-1137.	0.9	16
20	Fabrication of Fe ₃ O ₄ nanoparticles coated by extracted shrimp peels chitosan as sustainable adsorbents for removal of chromium contaminates from wastewater: The design of experiment. <i>Composites Part B: Engineering</i> , 2019, 175, 107130.	5.9	83
21	Fabrication of Strontium Nitrate Nanoparticles through a Spraying in Non-Solvent Process Optimized by Taguchi Approach. <i>ChemistrySelect</i> , 2019, 4, 12391-12398.	0.7	4
22	Electrochemical synthesis of copper carbonates nanoparticles through experimental design and the subsequent thermal decomposition to copper oxide. <i>Materials Research Express</i> , 2019, 6, 045065.	0.8	14
23	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 182-193.	5.8	143
24	In vitro antibacterial property assessment of silver nanoparticles synthesized by <i>Falcaria vulgaris</i> aqueous extract against MDR bacteria. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 380-389.	1.1	14
25	Electrospinning and thermal characterization of nitrocellulose nanofibers containing a composite of diaminofurazan, aluminum nano-powder and iron oxide nanoparticles. <i>Cellulose</i> , 2019, 26, 4405-4415.	2.4	32
26	Chitosan grafted onto Fe ₃ O ₄ @poly(N-vinylcaprolactam) as a new sorbent for detecting Imatinib mesylate in biosamples using UPLC-MS/MS. <i>Analyst</i> , 2019, 144, 7336-7350.	1.7	20
27	Evaluation of photocatalytic and supercapacitor potential of nickel tungstate nanoparticles synthesized by electrochemical method. <i>New Journal of Chemistry</i> , 2018, 42, 19934-19944.	1.4	51
28	Electrochemical synthesis of cobalt disulfide nanoparticles and their application as potential photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13833-13841.	1.1	14
29	Personalized Medicine: Pharmacogenomics and Drug Development. <i>Acta Medica Iranica</i> , 2017, 55, 150-165.	0.8	8
30	Effect of PEGylated superparamagnetic iron oxide nanoparticles (SPIONs) under magnetic field on amyloid beta fibrillation process. <i>Materials Science and Engineering C</i> , 2016, 59, 390-397.	3.8	52
31	Protein corona composition of gold nanoparticles/nanorods affects amyloid beta fibrillation process. <i>Nanoscale</i> , 2015, 7, 5004-5013.	2.8	107
32	Determination of nanoparticles using UV-Vis spectra. <i>Nanoscale</i> , 2015, 7, 5134-5139.	2.8	37
33	Taguchi approach-assisted optimization of spraying in non-solvent process for preparation of potassium perchlorate nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 510-518.	1.1	7
34	Can nanoparticles be beneficial for the early detection and treatment of Alzheimer disease. <i>Journal of Medical Hypotheses and Ideas</i> , 2015, 9, 86-87.	0.7	1
35	Facile Chemical Synthesis and Characterization of Copper Tungstate Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 333-339.	1.9	88
36	Electrochemical Preparation and Thermal Characterization of Copper Sulfide Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 951-958.	0.6	18

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37	Applying Taguchi robust design to the optimization of synthesis of barium carbonate nanorods via direct precipitation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 423, 35-41.	2.3	29
38	Synthesis and characterization of copper oxalate and copper oxide nanoparticles by statistically optimized controlled precipitation and calcination of precursor. <i>CrystEngComm</i> , 2013, 15, 4077.	1.3	82
39	Electrosynthesis and characterization of zinc tungstate nanoparticles. <i>Journal of Molecular Structure</i> , 2013, 1047, 31-36.	1.8	67
40	Optimization of synthesis procedure and structure characterization of manganese tungstate nanoplates. <i>Open Chemistry</i> , 2013, 11, 1393-1401.	1.0	37
41	Facile synthesis of zinc carbonate and zinc oxide nanoparticles via direct carbonation and thermal decomposition. <i>Ceramics International</i> , 2013, 39, 819-827.	2.3	72
42	Taguchi robust design to optimize synthesis of lead oxalate nano-disks. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 131-137.	1.9	47
43	Supercritical Fluid Technology in Analytical Chemistry - Review. <i>Current Analytical Chemistry</i> , 2013, 10, 3-28.	0.6	36
44	Applying the Taguchi Robust Design to Optimization of the Experimental Conditions for Synthesis of Lead Chromate Nanorods. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 254-257.	1.3	46
45	Electrosynthesis and Characterization of Copper Oxalate Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 746-751.	0.6	37
46	Non-isothermal kinetic studies on thermal decomposition of energetic materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 857-863.	2.0	66
47	Synthesis, structure characterization and catalytic activity of nickel tungstate nanoparticles. <i>Applied Surface Science</i> , 2012, 263, 745-752.	3.1	83
48	Effect of functional group on thermal stability of cellulose derivative energetic polymers. <i>Fuel</i> , 2012, 95, 394-399.	3.4	46
49	Statistical optimization of experimental parameters for synthesis of manganese carbonate and manganese oxide nanoparticles. <i>Materials Research Bulletin</i> , 2012, 47, 1045-1050.	2.7	59
50	OPTIMIZATION OF PARAMETERS FOR THE SYNTHESIS OF SILVER IODATE SUBMICRON BELTS BY TAGUCHI ROBUST DESIGN METHOD. <i>Chemical Engineering Communications</i> , 2011, 198, 1182-1188.	1.5	30
51	Statistical Optimization of Reaction Parameters for the Synthesis of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane. <i>Organic Process Research and Development</i> , 2011, 15, 810-816.	1.3	34
52	Novel approach for electrochemical preparation of sulfur nanoparticles. <i>Mikrochimica Acta</i> , 2011, 173, 445-451.	2.5	46
53	An Investigation on Decomposition Kinetics and Thermal Properties of Copper-Fueled Pyrotechnic Compositions. <i>Combustion Science and Technology</i> , 2011, 183, 575-587.	1.2	23
54	Application of the Taguchi Method for Optimization Experimental Condition of Synthesized Barium Chromate Nanoparticles by a Precipitation Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2011, 41, 465-471.	0.6	1

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55	Synthesis of silver chromate nanoparticles: Parameter optimization using Taguchi design. <i>Inorganic Materials</i> , 2010, 46, 60-64.	0.2	14
56	Non-isothermal kinetic study of the thermal decomposition of N-{bis[benzyl(methyl)amino]phosphoryl}-2,2-dichloroacetamide and N-{bis[dibenzylamino]phosphoryl}-2,2-dichloroacetamide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 463-468.	2.0	16
57	Effect of nitrate content on thermal decomposition of nitrocellulose. <i>Journal of Hazardous Materials</i> , 2009, 162, 1141-1144.	6.5	183
58	Effect of particle size on thermal decomposition of nitrocellulose. <i>Journal of Hazardous Materials</i> , 2009, 168, 1134-1139.	6.5	194
59	Electrosynthesis and thermal characterization of basic copper carbonate nanoparticles. <i>Open Chemistry</i> , 2009, 7, 74-78.	1.0	16
60	Statistical Optimization of Condition for Synthesis Lead Sulfide Nanoparticles. <i>Materials and Manufacturing Processes</i> , 2009, 24, 524-528.	2.7	34
61	Determination of the Optimal Conditions for Synthesis of Silver Oxalate Nanorods. <i>Chemical Engineering and Technology</i> , 2008, 31, 1532-1535.	0.9	39
62	Thermal decomposition of pyrotechnic mixtures containing either aluminum or magnesium powder as fuel. <i>Fuel</i> , 2008, 87, 244-251.	3.4	86
63	Investigation on Thermal Analysis of Binary Zirconium/Oxidant Pyrotechnic Systems. <i>Combustion Science and Technology</i> , 2008, 180, 2093-2102.	1.2	25
64	Supercritical fluid extraction in plant essential and volatile oil analysis. <i>Journal of Chromatography A</i> , 2007, 1163, 2-24.	1.8	526
65	Thermal behaviour kinetic study of dihydroglyoxime and dichloroglyoxime. <i>Materials Letters</i> , 2007, 61, 4670-4673.	1.3	60
66	Non-isothermal kinetic study of the thermal decomposition of diaminoglyoxime and diaminofurazan. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 543-546.	2.0	22
67	Thermal behavior of aluminum powder and potassium perchlorate mixtures by DTA and TG. <i>Thermochimica Acta</i> , 2006, 443, 129-131.	1.2	41
68	Characterization of the aluminum/potassium chlorate mixtures by simultaneous TG-DTA. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 84, 557-561.	2.0	36
69	Supercritical fluid extraction of volatile components from <i>Bunium persicum</i> Boiss. (black cumin) and <i>Mespilus germanica</i> L. (medlar) seeds. <i>Journal of Food Composition and Analysis</i> , 2005, 18, 439-446.	1.9	69
70	Thermal decomposition of pyrotechnic mixtures containing sucrose with either potassium chlorate or potassium perchlorate. <i>Combustion and Flame</i> , 2005, 141, 322-326.	2.8	71
71	Application of Supercritical Carbon Dioxide in Energetic Materials Processes: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6523-6533.	1.8	80
72	Orthogonal Array Design for the Optimization of Supercritical Carbon Dioxide Extraction of Different Metals from a Solid Matrix with Cyanex 301 as a Ligand. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 1530-1534.	1.0	44