

Mehdi Rahimi-Nasrabadi

List of Publications by Year in descending order

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239
papers

8,078
citations

38660

50
h-index

82410

72
g-index

246
all docs

246
docs citations

246
times ranked

5980
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	A new electrochemical aptasensor based on gold/nitrogen-doped carbon nano-onions for the detection of <i>Staphylococcus aureus</i> . <i>Electrochimica Acta</i> , 2022, 403, 139633.	2.6	54
3	Synthesis and shaping of Zr-UiO-66 MOF applicable as efficient phosalone adsorbent in real samples. <i>Polyhedron</i> , 2022, 215, 115653.	1.0	20
4	Cur-loaded magnetic ZnFe ₂ O ₄ @L-cysteine Ox, N-rich mesoporous -gC ₃ N ₄ nanocarriers as a targeted sonodynamic chemotherapeutic agent for enhanced tumor eradication. <i>Surfaces and Interfaces</i> , 2022, 30, 101900.	1.5	10
5	Electrochemical monitoring of carbamazepine in biological fluids by a glassy carbon electrode modified with CuO/ZnFe ₂ O ₄ /rGO nanocomposite. <i>Surfaces and Interfaces</i> , 2022, 30, 101943.	1.5	7
6	Evaluation of electrodes composed of europium tungstate/reduced graphene oxide nanocomposite for use as supercapacitors. <i>Surfaces and Interfaces</i> , 2022, 31, 102002.	1.5	6
7	Nano-architectural design of TiO ₂ for high performance photocatalytic degradation of organic pollutant: A review. <i>Environmental Research</i> , 2022, 212, 113347.	3.7	39
8	A glassy carbon electrode modified with N-TiO ₂ @AgNPs@GQDs for electrochemical determination of dopamine. <i>Diamond and Related Materials</i> , 2022, 127, 109120.	1.8	11
9	Application of polysaccharide-based biopolymers as supports in photocatalytic treatment of water and wastewater: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3789-3809.	8.3	13
10	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
11	Heterojunction of N/B/RGO and g-C ₃ N ₄ anchored magnetic ZnFe ₂ O ₄ @ZnO for promoting UV/Vis-induced photo-catalysis and in vitro toxicity studies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11430-11443.	2.7	25
12	Rapid photodegradation and detection of zolpidem over $\hat{2}$ -SnWO ₄ and $\hat{1}$ -SnWO ₄ nanoparticles: optimization and mechanism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5430-5442.	2.7	5
13	Fabrication of a new electrochemical sensor based on screen-printed carbon electrode/amine-functionalized graphene oxide-Cu nanoparticles for Rohypnol direct determination in drink sample. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114764.	1.9	19
14	Grafting of Ag nanoparticles on SrCrO ₄ nanostructures: green synthesis, characterization, and photocatalytic study for organic dye degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 384-396.	1.1	3
15	Sensitive sensor based on TiO ₂ NPs nano-composite for the rapid analysis of Zolpidem, a psychoactive drug with cancer-causing potential. <i>Materials Today Communications</i> , 2021, 26, 101945.	0.9	5
16	Application of MnFe ₂ O ₄ and AuNPs modified CPE as a sensitive flunitrazepam electrochemical sensor. <i>Microchemical Journal</i> , 2021, 161, 105745.	2.3	23
17	Cur-loaded ZnFe ₂ O ₄ @mZnO@N-GQDs biocompatible nano-carriers for smart and controlled targeted drug delivery with pH-triggered and ultrasound irradiation. <i>Journal of Molecular Liquids</i> , 2021, 322, 114875.	2.3	26
18	The ZnFe ₂ O ₄ @mZnO@N/RGO nano-composite as a carrier and an intelligent releaser drug with dual pH- and ultrasound-triggered control. <i>New Journal of Chemistry</i> , 2021, 45, 4280-4291.	1.4	25

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19	Co-precipitation synthesis of Ag-doped NiCr ₂ O ₄ nanoparticles: investigation of structural, optical, magnetic, and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1413-1426.	1.1	10
20	A facile preparation of ZnFe ₂ O ₄ @CuO-N/B/RGO and ZnFe ₂ O ₄ @CuO@C ₃ N ₄ ternary heterojunction nanophotocatalyst: characterization, biocompatibility, photo-Fenton-like degradation of MO and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5457-5472.	1.1	22
21	Earlier diagnoses of acute leukemia by a sandwich type of electrochemical aptasensor based on copper sulfide-graphene composite. <i>Analytica Chimica Acta</i> , 2021, 1146, 1-10.	2.6	31
22	Voltammetric measurement of entacapone in the presence of other medicines against Parkinson's disease by a screen-printed electrode modified with sulfur-tin oxide nanoparticles. <i>Mikrochimica Acta</i> , 2021, 188, 92.	2.5	3
23	Highly efficient sunitinib release from pH-responsive mHPMC@Chitosan core-shell nanoparticles. <i>Carbohydrate Polymers</i> , 2021, 258, 117719.	5.1	34
24	Synthesis of praseodymium titanate nanoparticles supported on core-shell silica coated magnetite via mild condition and their photocatalytic capability evaluation. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13527-13538.	1.1	7
25	Sonochemical synthesis of Ag ₂ WO ₄ /RGO-based nanocomposite as a potential material for supercapacitors electrodes. <i>Ceramics International</i> , 2021, 47, 14075-14086.	2.3	35
26	Determination of homocysteine using a dopamine-functionalized graphene composite. <i>Microchemical Journal</i> , 2021, 165, 106124.	2.3	24
27	Extreme Biomimetics: Designing of the First Nanostructured 3D Spongin@Atacamite Composite and its Application. <i>Advanced Materials</i> , 2021, 33, e2101682.	11.1	21
28	Determination of arsenic species using functionalized ionic liquid by in situ dispersive liquid-liquid microextraction followed by atomic absorption spectrometry. <i>Food Chemistry</i> , 2021, 349, 129115.	4.2	20
29	An efficient electrochemical sensor based on CeVO ₄ -CuWO ₄ nanocomposite for methyl dopa. <i>Materials Research Express</i> , 2021, 8, 085001.	0.8	13
30	Adsorption of Cationic Dyes on a Magnetic 3D Spongin Scaffold with Nano-Sized Fe ₃ O ₄ Cores. <i>Marine Drugs</i> , 2021, 19, 512.	2.2	16
31	Preparation of the extruded UiO-66-based Metal-Organic Framework for the diazinon removal from the real samples. <i>Journal of Molecular Structure</i> , 2021, 1240, 130607.	1.8	18
32	Applicability of a carbon paste electrode modified with manganese ferrite nanoparticles (MnFe ₂ O ₄ NPs) in simultaneous measurement of uric acid and dopamine. <i>Materials Today Communications</i> , 2021, 28, 102548.	0.9	4
33	Cur-loaded magnetic ZnFe ₂ O ₄ @mZnO-Ox-p-g-C ₃ N ₄ composites as dual pH- and ultrasound responsive nano-carriers for controlled and targeted cancer chemotherapy. <i>Materials Chemistry and Physics</i> , 2021, 271, 124863.	2.0	22
34	Functionalized Zr-UiO-67 metal-organic frameworks: Structural landscape and application. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214050.	9.5	57
35	A new strategy for the adsorption and removal of fenitrothion from real samples by active-extruded MOF (AE-MOF UiO-66) as an adsorbent. <i>New Journal of Chemistry</i> , 2021, 45, 5029-5039.	1.4	14
36	Synthesis of Fe ₃ O ₄ /CdWO ₄ /carbon dots heterostructure with excellent visible light photocatalytic stability and activity for degradation of 4-nitrophenol and organic pollutant. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26998-27013.	1.1	10

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37	Synthesis, characterization and DNA binding studies of a new ibuprofenâ€“platinum(II) complex. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1119-1129.	2.0	11
38	Optimization and detailed stability study on coupling of CdMoO ₄ into BaWO ₄ for enhanced photodegradation and removal of organic contaminant. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2425-2438.	2.3	12
39	Preparation of Fe ₃ O ₄ /SiO ₂ /TiO ₂ /PrVO ₄ nanocomposite in various molar ratios: Investigation on photocatalytic performance on organic contaminate and bacterial environments, and anti-cancer properties. <i>Polyhedron</i> , 2020, 176, 114239.	1.0	12
40	CdTe quantum dots prepared using herbal species and microorganisms and their anti-cancer, drug delivery and antibacterial applications; a review. <i>Ceramics International</i> , 2020, 46, 9979-9989.	2.3	27
41	Photocatalytic reduction of imatinib mesylate and imipenem on electrochemically synthesized Al ₂ W ₃ 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
42	Evaluation of the thermal properties of SrCO ₃ -microencapsulated palmitic acid composites as thermal energy storage materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2123-2130.	2.0	6
43	Pre-concentration and extraction of fenitrothion using a prefabricated 3D spongin-based skeleton of marine demosponge: optimization by experimental design. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	2
44	Application of carbon nanofiber-NiMoO ₄ -MnWO ₄ nanocomposite for modification of glassy carbon electrode: Electrochemical determination of ascorbic acid. <i>Microchemical Journal</i> , 2020, 159, 105470.	2.3	27
45	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
46	Linagliptin electrochemical sensor based on carbon nitride- β -cyclodextrin nanocomposite as a modifier. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114697.	1.9	28
47	Electrochemical sensor based on modified methylcellulose by graphene oxide and Fe ₃ O ₄ nanoparticles: Application in the analysis of uric acid content in urine. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114503.	1.9	70
48	A noble electrochemical sensor based on TiO ₂ @CuO-N-rGO and poly (L-cysteine) nanocomposite applicable for trace analysis of flunitrazepam. <i>Materials Science and Engineering C</i> , 2020, 117, 111300.	3.8	63
49	Electrochemical Oxidation and Determination of Antiviral Drug Acyclovir by Modified Carbon Paste Electrode With Magnetic CdO Nanoparticles. <i>Frontiers in Chemistry</i> , 2020, 8, 689.	1.8	13
50	Synthesis of Magnetic Fe ₃ O ₄ /ZnWO ₄ and Fe ₃ O ₄ /ZnWO ₄ /CeVO ₄ Nanoparticles: The Photocatalytic Effects on Organic Pollutants upon Irradiation with UV-Vis Light. <i>Catalysts</i> , 2020, 10, 494.	1.6	32
51	Extraction and pre-concentration of ketamine by using a three-dimensional spongin-based scaffold of the <i>Haliclona</i> sp. marine demosponge origin. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	6
52	Functionalization of 3D Chitinous Skeletal Scaffolds of Sponge Origin Using Silver Nanoparticles and Their Antibacterial Properties. <i>Marine Drugs</i> , 2020, 18, 304.	2.2	12
53	Introducing a novel nanocomposite consisting of nitrogen-doped carbon nano-onions and gold nanoparticles for the electrochemical sensor to measure acetaminophen. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114309.	1.9	57
54	Preparation of Fe ₃ O ₄ /SiO ₂ /TiO ₂ /CeVO ₄ Nanocomposites: Investigation of Photocatalytic Effects on Organic Pollutants, Bacterial Environments, and New Potential Therapeutic Candidate Against Cancer Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 192.	1.6	31

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55	Preparation and characterization of MnTiO ₃ , FeTiO ₃ , and CoTiO ₃ nanoparticles and investigation various applications: a review. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6511-6524.	1.1	10
56	Fabrication of an electrochemical mesalazine sensor based on ZIF-67. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108140.	2.5	48
57	A glassy carbon electrode modified with carbon nanooxions for electrochemical determination of fentanyl. <i>Materials Science and Engineering C</i> , 2020, 110, 110684.	3.8	74
58	A modified sensitive carbon paste electrode for 5-fluorouracil based using a composite of praseodymium erbium tungstate. <i>Microchemical Journal</i> , 2020, 154, 104654.	2.3	15
59	Synthesis and characterization of Sm ₂ (MoO ₄) ₃ , Sm ₂ (MoO ₄) ₃ /GO and Sm ₂ (MoO ₄) ₃ /C ₃ N ₄ nanostructures for improved photocatalytic performance and their anti-cancer the MCF-7 cells. <i>Polyhedron</i> , 2020, 180, 114424.	1.0	24
60	Naturally pre-designed biomaterials: Spider molting cuticle as a functional crude oil sorbent. <i>Journal of Environmental Management</i> , 2020, 261, 110218.	3.8	13
61	A new electrochemical sensor for the detection of fentanyl lethal drug by a screen-printed carbon electrode modified with the open-ended channels of Zn(<i>scp</i>) ₂ -MOF. <i>New Journal of Chemistry</i> , 2020, 44, 9271-9277.	1.4	66
62	A new nano biosensor for maitotoxin with high sensitivity and selectivity based fluorescence resonance energy transfer between carbon quantum dots and gold nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 398, 112523.	2.0	15
63	Electrochemical determination of levodopa on a reduced graphene oxide paste electrode modified with a metal-organic framework. <i>Microchemical Journal</i> , 2020, 156, 104888.	2.3	39
64	Evaluation radioprotective effect of curcumin conjugated albumin nanoparticles. <i>Bioorganic Chemistry</i> , 2020, 100, 103891.	2.0	23
65	Synthesis of novel Fe ₃ O ₄ @SiO ₂ @Er ₂ TiO ₅ superparamagnetic core-shell and evaluation of their photocatalytic capacity. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10553-10563.	1.1	10
66	Crocinn suppressed cold allodynia and anxiety through α_2 -adrenoceptors in the anterior cingulate cortex following chronic constriction injury of sciatic nerve in rats. <i>Journal of Research in Pharmacy</i> , 2020, 24, 833-841.	0.1	2
67	Preparation, characterization and investigation of sonophotocatalytic activity of thulium titanate/polyaniline nanocomposites in degradation of dyes. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 46-58.	3.8	44
68	Preparation of Co ₂ TiO ₄ /CoTiO ₃ /Polyaniline ternary nano-hybrids for enhanced destruction of agriculture poison and organic dyes under visible-light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15854-15868.	1.1	27
69	Investigation of the synergic effect of silver on the photodegradation behavior of copper chromite nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13994-14006.	1.1	6
70	Electrochemical determination of the antipsychotic medication clozapine by a carbon paste electrode modified with a nanostructure prepared from titania nanoparticles and copper oxide. <i>Mikrochimica Acta</i> , 2019, 186, 698.	2.5	36
71	Simple synthesis and characterization of Li _{0.5} Fe _{2.5} O ₄ , LiMg _{0.5} Fe ₂ O ₄ and LiNi _{0.5} Fe ₂ O ₄ , and investigation of their photocatalytic and anticancer properties on hela cells line. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19691-19702.	1.1	54
72	A nanocomposite prepared from reduced graphene oxide, gold nanoparticles and poly(2-amino-5-mercapto-1,3,4-thiadiazole) for use in an electrochemical sensor for doxorubicin. <i>Mikrochimica Acta</i> , 2019, 186, 641.	2.5	37

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73	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
74	Effect of Gd ³⁺ , Pr ³⁺ or Sm ³⁺ -substituted cobalt-zinc ferrite on photodegradation of methyl orange and cytotoxicity tests. <i>Journal of Rare Earths</i> , 2019, 37, 1288-1295.	2.5	71
75	Synergetic effect of graphene oxide and C ₃ N ₄ as co-catalyst for enhanced photocatalytic performance of dyes on Yb ₂ (MoO ₄) ₃ /YbMoO ₄ nanocomposite. <i>Ceramics International</i> , 2019, 45, 17847-17858.	2.3	46
76	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 182-193.	5.8	143
77	Experimental Study of the Thermal Properties of Microencapsulated Palmitic Acid Composites with CuCO ₃ Shell as Thermal Energy Storage Materials. <i>ChemistrySelect</i> , 2019, 4, 6501-6505.	0.7	8
78	A nanocomposite consisting of reduced graphene oxide and electropolymerized β -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019, 186, 438.	2.5	37
79	Mn(VO ₃) ₂ Nanorods: Its Green Synthesis and Photocatalytic Properties with the Aid of Polysorbate as the Polymeric Capping Agent. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5142-5149.	0.9	0
80	Synthesis of some transition MWO ₄ (M: Mn, Fe, Co, Ni, Cu, Zn, Cd) nanostructures by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8105-8144.	1.1	6
81	An electrochemical sensor based on poly (L-Cysteine)@AuNPs @ reduced graphene oxide nanocomposite for determination of levofloxacin. <i>Microchemical Journal</i> , 2019, 147, 198-206.	2.3	73
82	Synthesis and Supercapacitor Application of Cerium Tungstate Nanostructure. <i>ChemistrySelect</i> , 2019, 4, 2862-2867.	0.7	19
83	Assessing the magnetic, cytotoxic and photocatalytic influence of incorporating Yb ³⁺ or Pr ³⁺ ions in cobalt-nickel ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6902-6909.	1.1	93
84	Sol-gel preparation of metal and nonmetal-codoped TiO ₂ -graphene nanophotocatalyst for photodegradation of MO under UV and visible-light irradiation. <i>Ionics</i> , 2019, 25, 1869-1878.	1.2	34
85	Specific fluorometric assay for direct determination of amikacin by molecularly imprinting polymer on high fluorescent g-C ₃ N ₄ quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 451-458.	2.0	43
86	New method for synthesis of BaFe ₁₂ O ₁₉ /Sm ₂ Ti ₂ O ₇ and BaFe ₁₂ O ₁₉ /Sm ₂ Ti ₂ O ₇ /Ag nano-hybrid and investigation of optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5854-5865.	1.1	59
87	Silver nanofibers/ionic liquid nanocomposite based electrochemical sensor for detection of clonazepam via electrochemically amplified detection. <i>Microchemical Journal</i> , 2019, 145, 1185-1190.	2.3	53
88	A theoretical study of two novel Schiff bases as inhibitors of carbon steel corrosion in acidic medium. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	25
89	Eco-friendly synthesis of PbTiO ₃ nanoparticles and PbTiO ₃ /carbon quantum dots binary nano-hybrids for enhanced photocatalytic performance under visible light. <i>Separation and Purification Technology</i> , 2019, 211, 873-881.	3.9	62
90	Optimizing the synthesis of terbium(III) molybdate nanoplates through an orthogonal array design. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13091.	1.3	2

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91	Synthesis and characterization of MnWO ₄ /TmVO ₄ ternary nano-hybrids by an ultrasonic method for enhanced photocatalytic activity in the degradation of organic dyes. <i>Materials Letters</i> , 2019, 238, 159-162.	1.3	80
92	A Comparative Computational Investigation of Phosgene Adsorption on (XY) ₁₂ (X=Al, B and Y=N, P) Nanoclusters: DFT Investigations. <i>Journal of Cluster Science</i> , 2019, 30, 203-218.	1.7	34
93	A Colorimetric Sensor for Dopamine Detection Based on Peroxidase-like Activity of Ce ₂ (MoO ₄) ₃ Nanoplates. <i>Current Pharmaceutical Analysis</i> , 2019, 15, 224-230.	0.3	5
94	An electrochemical immunosensor based on poly p-phenylenediamine and graphene nanocomposite for detection of neuron-specific enolase via electrochemically amplified detection. <i>Analytical Biochemistry</i> , 2018, 548, 53-59.	1.1	105
95	Statistically optimized synthesis of cadmium tungstate nanoplates for use as a photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6377-6387.	1.1	7
96	Electrochemical immunosensor for the breast cancer marker CA 15 ³ based on the catalytic activity of a CuS/reduced graphene oxide nanocomposite towards the electrooxidation of catechol. <i>Mikrochimica Acta</i> , 2018, 185, 79.	2.5	79
97	Ultrasound-assisted synthesis of YbVO ₄ nanostructure and YbVO ₄ /CuWO ₄ nanocomposites for enhanced photocatalytic degradation of organic dyes under visible light. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 120-135.	3.8	77
98	Investigation of optical properties and the photocatalytic activity of synthesized YbVO ₄ nanoparticles and YbVO ₄ /NiWO ₄ nanocomposites by polymeric capping agents. <i>Journal of Molecular Structure</i> , 2018, 1157, 607-615.	1.8	68
99	Tailored synthesis of Sm ₂ O ₃ and Eu ₂ O ₃ doped ZrO ₂ nanoparticles: photodegradation of p-nitrophenol in water. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11081-11089.	1.1	6
100	CuCO ₃ and CuO nanoparticles; facile preparation and evaluation as photocatalysts. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9442-9451.	1.1	14
101	Green Synthesis and Characterization of SmVO ₄ Nanoparticles in the Presence of Carbohydrates As Capping Agents with Investigation of Visible-Light Photocatalytic Properties. <i>Journal of Electronic Materials</i> , 2018, 47, 3757-3769.	1.0	54
102	Sonochemical synthesis of terbium tungstate for developing high power supercapacitors with enhanced energy densities. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 189-196.	3.8	50
103	A simple process for the preparation of photocatalytically active bismuth aluminate nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 146-152.	1.1	4
104	Nanosized terbium carbonate and oxide particles: optimized synthesis, and application as photodegradation catalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2988-2998.	1.1	6
105	Preparation of SrTiO ₃ -microencapsulated palmitic acid by means of a sol-gel approach as thermal energy storage materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 794-800.	1.1	7
106	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
107	Development of electrochemical sensor for sensitive determination of oxazepam based on silver-platinum core-shell nanoparticles supported on graphene. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 61-66.	1.9	57
108	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

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109	Is it possible to use $X_{12}Y_{12}$ ($X = \text{Al, B, and Y} = \text{N, P}$) nanocages for drug-delivery systems? A DFT study on the adsorption property of 4-aminopyridine drug. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	54
110	Multispectroscopic and molecular modeling studies on the interaction of copper-ibuprofenate complex with bovine serum albumin (BSA). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 510-521.	2.0	33
111	Synthesis, characterization, magnetic and microwave absorption properties of iron-cobalt nanoparticles and iron-cobalt @ polyaniline (FeCo@PANI) nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12126-12134.	1.1	14
112	Facile synthesis of silver nanoparticles using <i>Tribulus longipetalus</i> extract and their antioxidant and antibacterial activities. <i>International Journal of Food Properties</i> , 2017, 20, 922-930.	1.3	19
113	Effects of amino acid capping-agents on the size and morphology and photocatalytic properties of BNCTO nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6373-6378.	1.1	13
114	Strontium molybdate nanostructures: synthesis of different shapes through a new approach and its photocatalyst application. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2200-2205.	1.1	46
115	Erbium(III) tungstate nanoparticles; optimized synthesis and photocatalytic evaluation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6399-6406.	1.1	7
116	Application of Taguchi robust design to the optimization of the synthesis of holmium carbonate and oxide nanoparticles and exploring their photocatalyst behaviors for water treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11383-11392.	1.1	3
117	Fabrication and characterization of microencapsulated PA with SiO ₂ shell through sol-gel synthesis via sodium silicate precursor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9990-9997.	1.1	16
118	Assessment of supercapacitive performance of europium tungstate nanoparticles prepared via hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12391-12398.	1.1	43
119	Detection of hydrogen peroxide and glucose by using Tb ₂ (MoO ₄) ₃ nanoplates as peroxidase mimics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 186, 82-88.	2.0	34
120	Five-component domino synthesis of tetrahydropyridines using hexagonal PbCr _x Fe _{12-2x} O ₁₉ as efficient magnetic nanocatalyst. <i>Research on Chemical Intermediates</i> , 2017, 43, 6155-6165.	1.3	67
121	Synthesis, Characterization, and Photocatalytic Behavior of Praseodymium Carbonate and Oxide Nanoparticles Obtained by Optimized Precipitation and Thermal Decomposition. <i>Journal of Electronic Materials</i> , 2017, 46, 4627-4639.	1.0	7
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