Masoud Salavati-Niasari

List of Publications by Year in Descending Order

301 papers	11,175 citations	65 h-index	91 g-index
308 ext. papers	14,197 ext. citations	5.4 avg, IF	7.76 L-index

#	Paper	IF	Citations
301	Green sonochemistry fabrication of pure Gd2Sn2O7 nanoparticles with advanced photocatalytic efficiency for elimination of dye pollutions. *International Journal of Hydrogen Energy*, **2022**, 47, 5269-5280	6.7	0
300	Nanocomposite scaffolds based on gelatin and alginate reinforced by Zn2SiO4 with enhanced mechanical and chemical properties for tissue engineering. *Arabian Journal of Chemistry*, **2022**, 15, 103730	5.9	2
299	Green fabrication of graphene quantum dots from cotton with CaSiO3 nanostructure and enhanced photocatalytic performance for water treatment. *International Journal of Hydrogen Energy*, **2022**, 47, 7228-7241	6.7	1
298	A simple hydrothermal route for the preparation of novel Na-Y-W nano-oxides and their application in dye degradation.. *RSC Advances*, **2022**, 12, 4913-4923	3.7	1
297	Improved Pechini Sol-gel Fabrication of Li2B4O7/NiO/Ni3(BO3)2 Nanocomposites to Advanced Photocatalytic Performance. *Arabian Journal of Chemistry*, **2022**, 103768	5.9	1
296	Agaricus bisporus extract as an excellent biotemplate agent for the synthesis of nano-plate Dy2Ti2O7/g-C3N4 and its application in electrochemical hydrogen storage. *Fuel*, **2022**, 317, 123475	7.1	0
295	Auto-combustion synthesis of Sr2Fe2O5/Dy3Fe5O12 nanocomposite using Hordeum vulgare L extract: Preparation, structural analysis and evaluation of its photocatalytic and electrochemical behaviors. *Journal of Alloys and Compounds*, **2022**, 896, 163032	5.7	
294	Fabrication of TlSnI3/C3N4 nanocomposites for enhanced photodegradation of toxic contaminants below visible light and investigation of kinetic and mechanism of photocatalytic reaction. *Journal of Molecular Liquids*, **2022**, 349, 118443	6	1
293	Synthesis and characterization of carbon sphere-supported sand-rose like N-GQDs/NiCo2S4 structures with synergetic effect for development of hydrogen storage capacity. *Fuel*, **2022**, 312, 122956	7.1	3
292	Morphology engineering of LiFeO2 nanostructures through synthesis controlling for electrochemical hydrogen storage inquiries. *Fuel*, **2022**, 313, 123025	7.1	2
291	Comparative study on electrochemical hydrogen storage of nanocomposites based on S or N doped graphene quantum dots and nanostructured titanium niobate. *Journal of Alloys and Compounds*, **2022**, 899, 163379	5.7	5
290	Electrochemical sensor based on a chitosan-molybdenum vanadate nanocomposite for detection of hydroxychloroquine in biological samples.. *Journal of Colloid and Interface Science*, **2022**, 613, 1-14	9.3	6
289	Synthesis of La9.33Si6O26 nano-photocatalysts by ultrasonically accelerated method for comparing water treatment efficiency with changing conditions. *Arabian Journal of Chemistry*, **2022** , 15, 103481	5.9	0
288	Synthesis and investigation of physicochemical properties of alginate dialdehyde/gelatin/ZnO nanocomposites as injectable hydrogels. *Polymer Testing*, **2022**, 110, 107562	4.5	1
287	New avenue for preparation of potential hydrogen storage materials based on K10 montmorillonite and Ca2Mn3O8/CaMn3O6 nanocomposites. *Fuel*, **2022**, 320, 123933	7.1	1
286	Synthesis of calcium manganese oxide with different constructions as potential materials for electrochemical hydrogen storage. *Fuel*, **2022**, 321, 124074	7.1	1
285	Decoration of green synthesized S, N-GQDs and CoFeO on halloysite nanoclay as natural substrate for electrochemical hydrogen storage application.. *Scientific Reports*, **2022**, 12, 8103	4.9	1

284	Electrochemical hydrogen storage capacities of sol-gel synthesized Dy3Fe5O12/DyFeO3 nanocomposites: Schiff-base ligand-assisted synthesis and characterization. *Fuel*, **2022**, 324, 124600	7.1	0
283	Sonochemical synthesis and characterization of CuInS2 nanostructures using new sulfur precursor and their application as photocatalyst for degradation of organic pollutants under simulated sunlight. *Arabian Journal of Chemistry*, **2022**, 15, 104007	5.9	0
282	Magnetic LuCuO-based ceramic nanostructured materials fabricated by a simple and green approach for an effective photocatalytic degradation of organic contamination.. *RSC Advances*, **2021**, 11, 40100-40111	3.7	10
281	Sonochemical synthesis and characterization of Cu2HgI4 nanostructures photocatalyst with enhanced visible light photocatalytic ability. *Arabian Journal of Chemistry*, **2021**, 103536	5.9	1
280	Eco-friendly sonochemistry preparation and electrochemical hydrogen storage of LaCoO3/CoO/La2O3 nanocomposites. *Fuel*, **2021**, 311, 122544	7.1	1
279	Facile synthesis of Au/ZnO/RGO nanohybrids using 1,8-diamino-3,6-dioxaoctan as novel functional agent for photo-degradation water treatment. *Journal of Materials Research and Technology*, **2021**, 15, 6098-6112	5.5	7
278	Facile sonochemical method for preparation of CsHgI nanostructures as a promising visible-light photocatalyst. *Ultrasonics Sonochemistry*, **2021**, 80, 105827	8.9	
277	Efficient purification of wastewater by applying mechanical force and BaCO/TiO and BaTiO/TiO piezocatalysts.. *RSC Advances*, **2021**, 11, 37138-37149	3.7	2
276	Enhanced photocatalytic degradation of toxic contaminants using DyO-SiO ceramic nanostructured materials fabricated by a new, simple and rapid sonochemical approach.. *Ultrasonics Sonochemistry*, **2021**, 82, 105892	8.9	11
275	Fabrication of S-scheme ZnO/Zn3(PO4)2 heterojunction photocatalyst toward photodegradation of tetracycline antibiotic and photocatalytic mechanism insight. *International Journal of Hydrogen Energy*, **2021**, 47, 928-928	6.7	1
274	Green self-assembly of CuCe2(MoO4)4/montmorillonite-K10 nanocomposites; a promising solid-state hydrogen storage profile. *Fuel*, **2021**, 310, 122401	7.1	
273	Green synthesis of SrFeO@Ag and SrFeO@Au as magnetic plasmonic nanocomposites with high photocatalytic performance for degradation of organic pollutants. *Chemosphere*, **2021**, 291, 132741	8.4	3
272	Dy2Cu2O5 nanostructures: Sonochemical fabrication, characterization, and investigation of photocatalytic ability for elimination of organic contaminants. *Journal of Molecular Liquids*, **2021**, 344, 117883	6	2
271	Toxicity evaluation and preparation of CoWO nanoparticles towards microalga Dunaliella salina. *Environmental Science and Pollution Research*, **2021**, 28, 36314-36325	5.1	3
270	Hydrothermal architecture of CuVO nanostructures as new electro-sensing catalysts for voltammetric quantification of mefenamic acid in pharmaceuticals and biological samples. *Biosensors and Bioelectronics*, **2021**, 178, 113017	11.8	21
269	Enhanced visible-light-driven photocatalytic performance for degradation of organic contaminants using PbWO nanostructure fabricated by a new, simple and green sonochemical approach. *Ultrasonics Sonochemistry*, **2021**, 72, 105420	8.9	82
268	The effect of CuI/PbI2 nanocomposite fabricated by the sonochemical route on electrochemical hydrogen storage characteristics. *International Journal of Hydrogen Energy*, **2021**, 46, 19074-19084	6.7	14
267	Role of morphology in electrochemical hydrogen storage using binary DyFeO3-ZnO nanocomposites as electrode materials. *International Journal of Hydrogen Energy*, **2021**, 46, 21026-21039	6.7	3

266	Facile One-Pot In Situ Synthesis and Characterization of a Cu2O/Cu2(PO4)(OH) Binary Heterojunction Nanocomposite for the Efficient Photocatalytic Degradation of Ciprofloxacin from Aqueous Solution under Direct Sunlight Irradiation. *Industrial & Engineering Chemistry Research* , **2021**, 60, 9578-9591	3.9	9
265	Green synthesis and characterization of RGO/Cu nanocomposites as photocatalytic degradation of organic pollutants in waste-water. *International Journal of Hydrogen Energy*, **2021**, 46, 20534-20546	6.7	28
264	Porous hollow Ag/AgS/AgPO nanocomposites as highly efficient heterojunction photocatalysts for the removal of antibiotics under simulated sunlight irradiation. *Chemosphere*, **2021**, 274, 129765	8.4	27
263	Enhanced photocatalytic activity of Sr7Mn7O19.62-Dy2O3 nanocomposite synthesized via a green method. *International Journal of Hydrogen Energy*, **2021**, 46, 3763-3779	6.7	2
262	Sol-gel synthesis and characterization of CoO/CeO nanocomposites and its application for photocatalytic discoloration of organic dye from aqueous solutions. *Environmental Science and Pollution Research*, **2021**, 28, 7001-7015	5.1	3
261	Transition metal selenides and diselenides: Hydrothermal fabrication, investigation of morphology, particle size and and their applications in photocatalyst. *Advances in Colloid and Interface Science*, **2021**, 287, 102321	14.3	29
260	Sonochemical synthesis, characterization and investigation of the electrochemical hydrogen storage properties of TlPbI3/Tl4PbI6 nanocomposite. *International Journal of Hydrogen Energy*, **2021**, 46, 6648-6658	6.7	9
259	A study on electrochemical hydrogen storage properties of truncated octahedron cobalt cerium molybdate nanocrystals synthesized by solution combustion method. *Journal of Alloys and Compounds*, **2021**, 858, 158374	5.7	6
258	Barium cobaltite nanoparticles: Sol-gel synthesis and characterization and their electrochemical hydrogen storage properties. *International Journal of Hydrogen Energy*, **2021**, 46, 886-895	6.7	3
257	DyMnO/FeO nanocomposites: simple sol-gel auto-combustion technique and photocatalytic performance for water treatment. *Environmental Science and Pollution Research*, **2021**, 28, 11066-11076	5.1	2
256	Green sonochemical synthesis of BaDyNiO/DyO and BaDyNiO/NiO nanocomposites in the presence of core almond as a capping agent and their application as photocatalysts for the removal of organic dyes in water.. *RSC Advances*, **2021**, 11, 11500-11512	3.7	59
255	Photocatalytic and antibacterial activities of Tl-Hg-I nanocomposites: sonochemical synthesis and characterization.. *RSC Advances*, **2021**, 11, 22238-22249	3.7	1
254	Copper iodide decorated graphitic carbon nitride sheets with enhanced visible-light response for photocatalytic organic pollutant removal and antibacterial activities. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111712	7	33
253	Green sonochemistry assisted synthesis of hollow magnetic and photoluminescent MgFeO-carbon dot nanocomposite as a sensor for toxic Ni(ii), Cd(ii) and Hg(ii) ions and bacteria.. *RSC Advances*, **2021**, 11, 22805-22811	3.7	8
252	Green sol-gel auto combustion synthesis and characterization of double perovskite TbZnMnO nanoparticles and a brief study of photocatalytic activity.. *RSC Advances*, **2021**, 11, 8228-8238	3.7	11
251	Facile preparation and characterization of a novel visible-light-responsive RbHgI nanostructure photocatalyst.. *RSC Advances*, **2021**, 11, 30849-30859	3.7	2
250	Facile fabrication of Tl4HgI6 nanostructures as novel antibacterial and antibiofilm agents and photocatalysts in the degradation of organic pollutants. *Inorganic Chemistry Frontiers*, **2021**, 8, 2442-2460	6.8	18
249	Toxicity of NdWO nanoparticles to the microalga : synthesis of nanoparticles and investigation of their impact on microalgae.. *RSC Advances*, **2021**, 11, 27283-27291	3.7	0

248	Synthesis and characterization of AFeO (A: Ni, Co, Mg)-silica nanocomposites and their application for the removal of dibenzothiophene (DBT) by an adsorption process: kinetics, isotherms and experimental design.. *RSC Advances*, **2021**, 11, 22661-22676	3.7	2
247	A new phase transfer nanocatalyst NiFeO-PEG for removal of dibenzothiophene by an ultrasound assisted oxidative process: kinetics, thermodynamic study and experimental design.. *RSC Advances*, **2021**, 11, 31448-31459	3.7	0
246	study of alginate-gelatin scaffolds incorporated with silica NPs as injectable, biodegradable hydrogels.. *RSC Advances*, **2021**, 11, 16688-16697	3.7	9
245	Effects of the NiFeO nanoadditive on the performance and emission characteristics of diesel engines: ultrasonic green synthesis by T3 hormone.. *RSC Advances*, **2021**, 11, 27701-27713	3.7	
244	Synergic and coupling effect between SnO2 nanoparticles and hierarchical AlV3O9 microspheres toward emerging electrode materials for lithium-ion battery devices. *Inorganic Chemistry Frontiers*, **2021**, 8, 2735-2748	6.8	5
243	Interfacial Passivation of Perovskite Solar Cells by Reactive Ion Scavengers. *ACS Applied Energy Materials*, **2021**, 4, 1078-1084	6.1	6
242	Dy2BaCuO5/Ba4DyCu3O9.09 S-scheme heterojunction nanocomposite with enhanced photocatalytic and antibacterial activities. *Journal of the American Ceramic Society*, **2021**, 104, 2952-2965	3.8	65
241	Simple and eco-friendly synthesis of recoverable zinc cobalt oxide-based ceramic nanostructure as high-performance photocatalyst for enhanced photocatalytic removal of organic contamination under solar light. *Separation and Purification Technology*, **2021**, 267, 118667	8.3	41
240	The impact of zirconium oxide nanoparticles content on alginate dialdehyde-gelatin scaffolds in cartilage tissue engineering. *Journal of Molecular Liquids*, **2021**, 335, 116531	6	4
239	Synthesis, characterization and application of Co/Co3O4 nanocomposites as an effective photocatalyst for discoloration of organic dye contaminants in wastewater and antibacterial properties. *Journal of Molecular Liquids*, **2021**, 337, 116405	6	64
238	ZnCo2O4/ZnO nanocomposite: Facile one-step green solid-state thermal decomposition synthesis using Dactylopius Coccus as capping agent, characterization and its 4T1 cells cytotoxicity investigation and anticancer activity. *Arabian Journal of Chemistry*, **2021**, 14, 103316	5.9	2
237	Rapid and green combustion synthesis of nanocomposites based on ZnCo2O4 nanostructures as photocatalysts for enhanced degradation of acid brown 14 contaminant under sunlight. *Separation and Purification Technology*, **2021**, 280, 119841	8.3	16
236	LaSnO/g-CN nanocomposites: Rapid and green sonochemical fabrication and photo-degradation performance for removal of dye contaminations. *Ultrasonics Sonochemistry*, **2021**, 77, 105678	8.9	3
235	Photocatalytic degradation of antibiotic using Ni-doped thallium(I) orthotungstate nanorods: Hydrothermal synthesis and characterization. *Journal of Alloys and Compounds*, **2021**, 874, 159856	5.7	5
234	Tb2CoMnO6 double perovskites nanoparticles as photocatalyst for the degradation of organic dyes: Synthesis and characterization. *Arabian Journal of Chemistry*, **2021**, 14, 103349	5.9	1
233	Visible light-induced degradation of amoxicillin antibiotic by novel CuI/FePO4 p-n heterojunction photocatalyst and photodegradation mechanism. *Journal of Alloys and Compounds*, **2021**, 892, 162176	5.7	2
232	Simple preparation of chitosan-coated thallium lead iodide nanostructures as a new visible-light photocatalyst in decolorization of organic contamination. *Journal of Molecular Liquids*, **2021**, 341, 117299	6	2
231	Design of Magnetically Recyclable Ternary Fe2O3/EuVO4/g-C3N4 Nanocomposites for Photocatalytic and Electrochemical Hydrogen Storage. *ACS Applied Energy Materials*, **2021**, 4, 680-695	6.1	65

230	Sol-gel auto combustion synthesis, characterization, and application of TbFeMnO nanostructures as an effective photocatalyst for the discoloration of organic dye contaminants in wastewater.. *RSC Advances*, **2021**, 11, 26844-26854	3.7	0
229	Preparation and study of characteristics of LiCoO/FeO/LiBO nanocomposites as ideal active materials for electrochemical hydrogen storage.. *RSC Advances*, **2021**, 11, 23430-23436	3.7	5
228	Thermosensitive alginate-gelatin-nitrogen-doped carbon dots scaffolds as potential injectable hydrogels for cartilage tissue engineering applications.. *RSC Advances*, **2021**, 11, 18423-18431	3.7	9
227	Controllable synthesis and characterization of MgSiO nanostructures a simple hydrothermal route using carboxylic acid as capping agent and their photocatalytic performance for photodegradation of azo dyes.. *RSC Advances*, **2021**, 11, 21588-21599	3.7	3
226	Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. *Journal of the American Chemical Society*, **2020**, 142, 11428-11433	16.4	48
225	Green sol-gel auto-combustion synthesis, characterization and investigation of the electrochemical hydrogen storage properties of barium cobalt oxide nanocomposites with maltose. *International Journal of Hydrogen Energy*, **2020**, 45, 17662-17670	6.7	10
224	Toxic effects of FeWO nanoparticles towards microalga Dunaliella salina: Sonochemical synthesis nanoparticles and investigate its impact on the growth. *Chemosphere*, **2020**, 258, 127348	8.4	9
223	Superhydrophobic□superoleophilic copper□graphite/styrene□butadiene□styrene based cotton filter for efficient separation of oil derivatives from aqueous mixtures. *Cellulose*, **2020**, 27, 4691-4705	5.5	13
222	Nd2Sn2O7 nanostructures: Green synthesis and characterization using date palm extract, a potential electrochemical hydrogen storage material. *Ceramics International*, **2020**, 46, 17186-17196	5.1	101
221	Zn2MnO4/ZnO nanocomposites: One step sonochemical fabrication and demonstration as a novel catalyst in water splitting reaction. *Ceramics International*, **2020**, 46, 25789-25801	5.1	5
220	Li2MnO3/LiMnBO3/MnFe2O4 ternary nanocomposites: Pechini synthesis, characterization and photocatalytic performance. *International Journal of Hydrogen Energy*, **2020**, 45, 21241-21251	6.7	6
219	Pechini synthesis using propylene glycol and various acid as stabilizing agents and characterization of Gd2NiMnO6 ceramic nanostructures with good photocatalytic properties for removal of organic dyes in water. *Journal of Materials Research and Technology*, **2020**, 9, 1720-1733	5.5	9
218	Facile fabrication of silver iodide/graphitic carbon nitride nanocomposites by notable photo-catalytic performance through sunlight and antimicrobial activity. *Journal of Hazardous Materials*, **2020**, 389, 122079	12.8	184
217	Unveiling the synthesis of CuCe2(MoO4)4 nanostructures and its physico-chemical properties on electrochemical hydrogen storage. *Journal of Alloys and Compounds*, **2020**, 826, 154023	5.7	5
216	Gd2ZnMnO6/ZnO nanocomposites: Green sol-gel auto-combustion synthesis, characterization and photocatalytic degradation of different dye pollutants in water. *Journal of Alloys and Compounds*, **2020**, 835, 155240	5.7	95
215	Effect of Operational Synthesis Parameters on the Morphology and the Electrochemical Properties of 3D Hierarchical AlV3O9 Architectures for Li-Ion Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 020544	3.9	14
214	Green synthesis using cherry and orange juice and characterization of TbFeO3 ceramic nanostructures and their application as photocatalysts under UV light for removal of organic dyes in water. *Journal of Cleaner Production*, **2020**, 252, 119765	10.3	108
213	Strategic design and electrochemical behaviors of Li-ion battery cathode nanocomposite materials based on AlV3O9 with carbon nanostructures. *Composites Part B: Engineering*, **2020**, 183, 107734	10	29

212	Green synthesis of dysprosium stannate nanoparticles using Ficus carica extract as photocatalyst for the degradation of organic pollutants under visible irradiation. *Ceramics International*, **2020**, 46, 6095-6107	5.1	142
211	Magnetite as Inorganic Hole Transport Material for Lead Halide Perovskite-Based Solar Cells with Enhanced Stability. *Industrial & Engineering Chemistry Research*, **2020**, 59, 743-750	3.9	14
210	Amino acid assisted-synthesis and characterization of magnetically retrievable ZnCo2O4/Co3O4 nanostructures as high activity visible-light-driven photocatalyst. *International Journal of Hydrogen Energy*, **2020**, 45, 22761-22774	6.7	60
209	Enhanced antibacterial activity and photocatalytic degradation of organic dyes under visible light using cesium lead iodide perovskite nanostructures prepared by hydrothermal method. *Separation and Purification Technology*, **2020**, 253, 117526	8.3	39
208	A reliable hydrophobic/superoleophilic fabric filter for oil/water separation: hierarchical bismuth/purified terephthalic acid nanocomposite. *Cellulose*, **2020**, 27, 9559-9575	5.5	10
207	Sonochemical synthesis, characterization and application of PrVO nanostructures as an effective photocatalyst for discoloration of organic dye contaminants in wastewater. *Ultrasonics Sonochemistry*, **2020**, 61, 104822	8.9	51
206	Pechini sol-gel synthesis of Cu2O/Li3BO3 and CuO/Li3BO3 nanocomposites for visible light-driven photocatalytic degradation of dye pollutant. *Journal of Alloys and Compounds*, **2020**, 815, 152451	5.7	28
205	Electro-spinning of cellulose acetate nanofibers/Fe/carbon dot as photoluminescence sensor for mercury (II) and lead (II) ions. *Carbohydrate Polymers*, **2020**, 229, 115428	10.3	82
204	BaMnO nanostructures: Simple ultrasonic fabrication and novel catalytic agent toward oxygen evolution of water splitting reaction. *Ultrasonics Sonochemistry*, **2020**, 61, 104829	8.9	28
203	CdSnO-graphene nanocomposites: Ultrasonic synthesis using glucose as capping agent and characterization for electrochemical hydrogen storage. *Ultrasonics Sonochemistry*, **2020**, 61, 104840	8.9	21
202	Control sonochemical parameter to prepare pure ZnFeO nanostructures and study their photocatalytic activity. *Ultrasonics Sonochemistry*, **2019**, 58, 104619	8.9	71
201	Sol-gel synthesis of novel Li-based boron oxides nanocomposite for photodegradation of azo-dye pollutant under UV light irradiation. *Composites Part B: Engineering*, **2019**, 172, 33-40	10	26
200	Sonochemical-assisted synthesis of pure DyZnMnO nanoparticles as a novel double perovskite and study of photocatalytic performance for wastewater treatment. *Ultrasonics Sonochemistry*, **2019**, 57, 172-184	8.9	14
199	Simple approach for the synthesis of Dy2Sn2O7 nanostructures as a hydrogen storage material from banana juice. *Journal of Cleaner Production*, **2019**, 222, 103-110	10.3	47
198	Eco-friendly synthesis of Nd2Sn2O7-based nanostructure materials using grape juice as green fuel as photocatalyst for the degradation of erythrosine. *Composites Part B: Engineering*, **2019**, 167, 643-653	10	154
197	Electrochemical hydrogen storage properties of Ce0.75Zr0.25O2 nanopowders synthesized by sol-gel method. *Journal of Alloys and Compounds*, **2019**, 790, 884-890	5.7	17
196	Simple fabrication of Pr2Ce2O7 nanostructures via a new and eco-friendly route; a potential electrochemical hydrogen storage material. *Journal of Alloys and Compounds*, **2019**, 791, 792-799	5.7	70
195	Ultrasound-accelerated synthesis of uniform DyVO nanoparticles as high activity visible-light-driven photocatalyst. *Ultrasonics Sonochemistry*, **2019**, 59, 104719	8.9	20

194	Sonochemical-assisted route for synthesis of spherical shaped holmium vanadate nanocatalyst for polluted waste water treatment. *Ultrasonics Sonochemistry*, **2019**, 58, 104686	8.9	16
193	MgCr2O4 and MgCr2O4/Ag nanostructures: Facile size-controlled synthesis and their photocatalytic performance for destruction of organic contaminants?. *Composites Part B: Engineering*, **2019**, 175, 107077	10	18
192	Magnetically retrievable ferrite nanoparticles in the catalysis application. *Advances in Colloid and Interface Science*, **2019**, 271, 101982	14.3	63
191	Synthesis, characterization and antibacterial activities of Ni/ZnO nanocomposites using bis(salicylaldehyde) complex precursor. *Journal of Alloys and Compounds*, **2019**, 788, 383-390	5.7	27
190	Lead carbonate hydroxide nanostructures: a new hydrothermal synthesis in the presence of ethylenediamine and hydrazine and investigation photocatalytic behavior. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 20947-20957	2.1	2
189	New Nanocomposites Based on LiFeMn Double Spinel and Carbon Self-Doped Graphitic Carbon Nitrides with Synergistic Effect for Electrochemical Hydrogen Storage Application. *Industrial & Engineering Chemistry Research*, **2019**, 58, 23057-23067	3.9	32
188	Fabrication of nanocomposite photocatalyst CuBiO/BiClO for removal of acid brown 14 as water pollutant under visible light irradiation. *Journal of Hazardous Materials*, **2019**, 361, 210-220	12.8	68
187	Photoluminescence carbon dot as a sensor for detecting of Pseudomonas aeruginosa bacteria: Hydrothermal synthesis of magnetic hollow NiFe2O4-carbon dots nanocomposite material. *Composites Part B: Engineering*, **2019**, 161, 564-577	10	117
186	Green synthesis and characterization of MnCo2O4/Co2Mn3O8 ceramic nanocomposites and investigation of their cytotoxicity on the 4T1 cells. *Composites Part B: Engineering*, **2019**, 163, 424-430	10	9
185	The first synthesis of CdFeO nanostructures and nanocomposites and considering of magnetic, optical, electrochemical and photocatalytic properties. *Journal of Hazardous Materials*, **2019**, 367, 607-619	12.8	14
184	Structural characterization and electrochemical hydrogen sorption performances of the polycrystalline Ba2Co9O14 nanostructures. *Journal of Alloys and Compounds*, **2019**, 777, 252-258	5.7	30
183	Synthesis of SiO2 Nanocrystals by Two Approaches and Their Application in Photocatalytic Degradation and Flame Retardant Polymeric Nanocomposite. *Journal of Inorganic and Organometallic Polymers and Materials*, **2019**, 29, 378-389	3.2	3
182	Investigation of photocatalytic, electrochemical, optical and magnetic behaviors of rare-earth double perovskites using combustion synthesized Gd2NiMnO6 nanostructures in the presence of different saccharides. *International Journal of Hydrogen Energy*, **2019**, 44, 860-869	6.7	8
181	Utilizing of neodymium vanadate nanoparticles as an efficient catalyst to boost the photocatalytic water purification. *Journal of Environmental Management*, **2019**, 230, 266-281	7.9	47
180	Self-assembly of hydrogen storage materials based multi-walled carbon nanotubes (MWCNTs) and Dy3Fe5O12 (DFO) nanoparticles. *Journal of Alloys and Compounds*, **2018**, 745, 789-797	5.7	139
179	Ultrasonic assisted synthesis of a nano-sized Co2SnO4/graphene: A potential material for electrochemical hydrogen storage application. *International Journal of Hydrogen Energy*, **2018**, 43, 4381-4392	6.7	29
178	Co2SiO4 nanostructures/nanocomposites: synthesis and investigations of optical, magnetic, photocatalytic, thermal stability and flame retardant properties. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7077-7089	2.1	12
177	Mechanosynthesis and characterization AFe2O4 (A: Ni, Cu, Zn)-activated carbon nanocomposite as an effective adsorbent for removal dodecanethiol. *Microporous and Mesoporous Materials*, **2018**, 262, 13-22	5.3	10

176	Simple sol-gel synthesis and characterization of new CoTiO/CoFeO nanocomposite by using liquid glucose, maltose and starch as fuel, capping and reducing agents. *Journal of Colloid and Interface Science*, **2018**, 514, 723-732	9.3	149
175	Amino acid modified combustion synthesis, characterization and investigation of magnetic, optical and photocatalytic properties of Gd2CoMnO6 nanostructures. *Journal of Alloys and Compounds*, **2018**, 753, 615-621	5.7	12
174	Dy3Fe5O12 and DyFeO3 nanostructures: Green and facial auto-combustion synthesis, characterization and comparative study on electrochemical hydrogen storage. *International Journal of Hydrogen Energy*, **2018**, 43, 9713-9721	6.7	34
173	Dy2O3/CuO nanocomposites: microwave assisted synthesis and investigated photocatalytic properties. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 1238-1245	2.1	21
172	Fe2O3□eO2 Ceramic Nanocomposite Oxide: Characterization and Investigation of the Effect of Morphology on Its Electrochemical Hydrogen Storage Capacity. *ACS Applied Energy Materials*, **2018**, 1, 4840-4848	6.1	14
171	Hydrothermal green synthesis of magnetic FeO-carbon dots by lemon and grape fruit extracts and as a photoluminescence sensor for detecting of E. coli bacteria. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 203, 481-493	4.4	143
170	Pechini synthesis and characteristics of GdCoMnO nanostructures and its structural, optical and photocatalytic properties. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 204, 232-240	4.4	17
169	NdO-SiO nanocomposites: A simple sonochemical preparation, characterization and photocatalytic activity. *Ultrasonics Sonochemistry*, **2018**, 42, 171-182	8.9	99
168	Efficient degradation of azo dye pollutants on ZnBi38O58 nanostructures under visible-light irradiation. *Separation and Purification Technology*, **2018**, 195, 30-36	8.3	29
167	Grafting of CuFe12O19 nanoparticles on CNT and graphene: Eco-friendly synthesis, characterization and photocatalytic activity. *Journal of Cleaner Production*, **2018**, 176, 1185-1197	10.3	168
166	Application of ultrasound-aided method for the synthesis of NdVO nano-photocatalyst and investigation of eliminate dye in contaminant water. *Ultrasonics Sonochemistry*, **2018**, 42, 201-211	8.9	79
165	Sonochemical synthesis of SrMnO nanoparticles as an efficient and new catalyst for O evolution from water splitting reaction. *Ultrasonics Sonochemistry*, **2018**, 40, 651-663	8.9	35
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