

# Jerry J Wu

## List of Publications by Year in descending order

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175  
papers

5,586  
citations

81743

39  
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106150

65  
g-index

176  
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176  
docs citations

176  
times ranked

7485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in ZnS photocatalysts from synthesis to photocatalytic applications – A review. Powder Technology, 2017, 318, 8-22.	2.1	299
2	Synthesis of CuO-ZnO nanophotocatalyst for visible light assisted degradation of a textile dye in aqueous solution. Chemical Engineering Journal, 2011, 171, 136-140.	6.6	246
3	Treatment of landfill leachate by ozone-based advanced oxidation processes. Chemosphere, 2004, 54, 997-1003.	4.2	204
4	Sonochemical synthesis of CuO nanostructures with different morphology. Ultrasonics Sonochemistry, 2012, 19, 682-686.	3.8	153
5	Synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles via chemical precipitation approach for supercapacitor application. Journal of Alloys and Compounds, 2015, 636, 234-240.	2.8	142
6	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi <sub>2</sub> O <sub>3</sub> and Au/Bi <sub>2</sub> O <sub>3</sub> Nanorods. Industrial & Engineering Chemistry Research, 2010, 49, 9729-9737.	1.8	130
7	Photocatalytic hydrogen evolution from water splitting using Cu doped ZnS microspheres under visible light irradiation. Renewable Energy, 2016, 89, 18-26.	4.3	127
8	Facile Fabrication of Tunable Bi <sub>2</sub> O <sub>3</sub> Self-Assembly and Its Visible Light Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 12906-12915.	1.5	120
9	Synthesis of MoO <sub>3</sub> nanoparticles for azo dye degradation by catalytic ozonation. Materials Research Bulletin, 2015, 62, 184-191.	2.7	112
10	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. International Journal of Photoenergy, 2014, 2014, 1-21.	1.4	106
11	Fabrication of hierarchical bismuth oxyhalides (BiOX, X = Cl, Br, I) materials and application of photocatalytic hydrogen production from water splitting. Catalysis Today, 2018, 307, 197-204.	2.2	105
12	Synthesis, characterization and catalytic activity of easily recyclable zinc oxide nanobundles. Applied Catalysis B: Environmental, 2008, 80, 32-41.	10.8	98
13	Controlled Fabrication of Bi-GaOOH and Bi-Ga <sub>2</sub> O <sub>3</sub> Self-Assembly and Its Superior Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 44-53.	1.5	95
14	Sonochemically synthesized MnO <sub>2</sub> nanoparticles as electrode material for supercapacitors. Ultrasonics Sonochemistry, 2014, 21, 1933-1938.	3.8	88
15	Oxidation of DMSO on goethite catalyst in the presence of H <sub>2</sub> O <sub>2</sub> at neutral pH. Catalysis Communications, 2006, 7, 901-906.	1.6	80
16	Ultrasound assisted synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles anchored graphene nanosheets for supercapacitor applications. Electrochimica Acta, 2015, 156, 127-137.	2.6	78
17	Magnetic and catalytic properties of inverse spinel CuFe <sub>2</sub> O <sub>4</sub> nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 432, 437-443.	1.0	77
18	Degradation of DMSO by ozone-based advanced oxidation processes. Journal of Hazardous Materials, 2007, 149, 218-225.	6.5	69

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19	Sonochemical Synthesis of Hollow Copper Doped Zinc Sulfide Nanostructures: Optical and Catalytic Properties for Visible Light Assisted Photosplitting of Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 8766-8772.	1.8	65
20	Sonochemical synthesis of silver nanoparticles anchored reduced graphene oxide nanosheets for selective and sensitive detection of glutathione. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 363-373.	3.8	60
21	Recent Developments in Heterogeneous Catalyzed Environmental Remediation Processes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1898-1910.	0.9	59
22	Investigation on photocatalytic potential of Au@Ta <sub>2</sub> O <sub>5</sub> semiconductor nanoparticle by degrading Methyl Orange in aqueous solution by illuminating with visible light. <i>Catalysis Science and Technology</i> , 2012, 2, 2502.	2.1	55
23	MoS <sub>2</sub> nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019, 294, 134-141.	2.6	54
24	Sonochemical Synthesis of Mg-TiO <sub>2</sub> nanoparticles for persistent Congo red dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 559-569.	2.0	53
25	Photocatalytic and photoelectrocatalytic performance of sonochemically synthesized Cu <sub>2</sub> O@TiO <sub>2</sub> heterojunction nanocomposites. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 223-229.	3.8	53
26	Effect of temperature on the formation of macroporous ZnO bundles and its application in photocatalysis. <i>Journal of Hazardous Materials</i> , 2009, 172, 700-706.	6.5	52
27	Hydrothermal synthesis of coral-like Au/ZnO catalyst and photocatalytic degradation of Orange II dye. <i>Materials Research Bulletin</i> , 2013, 48, 2375-2382.	2.7	52
28	Synthesis of N-doped potassium tantalate perovskite material for environmental applications. <i>Journal of Solid State Chemistry</i> , 2018, 258, 647-655.	1.4	52
29	Simultaneous detection of dopamine and ascorbic acid using silicate network interlinked gold nanoparticles and multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 731-741.	4.0	49
30	High Response CO Sensor Based on a Polyaniline/SnO <sub>2</sub> Nanocomposite. <i>Polymers</i> , 2019, 11, 184.	2.0	47
31	The Use of Ozone to reduce the Concentration of Malodorous Metabolites in Swine Manure Slurry. <i>Biosystems Engineering</i> , 1999, 72, 317-327.	0.4	46
32	Effect of Ultrasonic Irradiation on the Catalytic Activity and Stability of Goethite Catalyst in the Presence of H <sub>2</sub> O <sub>2</sub> at Acidic Medium. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 691-698.	1.8	46
33	Sonochemical Synthesis of Mesoporous NiTiO <sub>3</sub> Ilmenite Nanorods for the Catalytic Degradation of Tergitol in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 2983-2990.	1.8	44
34	The oxidation study of 2-propanol using ozone-based advanced oxidation processes. <i>Separation and Purification Technology</i> , 2008, 62, 39-46.	3.9	42
35	High index surfaces of Au-nanocrystals supported on one-dimensional MoO <sub>3</sub> -nanorod as a bi-functional electrocatalyst for ethanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , 2017, 246, 75-88.	2.6	42
36	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /BiVO <sub>4</sub> heterojunction composites for photocatalytic degradation of nonylphenol ethoxylate. <i>Separation and Purification Technology</i> , 2020, 250, 117202.	3.9	42

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37	Facile sonochemical synthesis of CdS/COF heterostructured nanocomposites and their enhanced photocatalytic degradation of Bisphenol-A. Separation and Purification Technology, 2021, 271, 118873.	3.9	42
38	Hybrid SnO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> nanocubes prepared via a CoSn(OH) <sub>6</sub> intermediate through a sonochemical route for energy storage applications. RSC Advances, 2016, 6, 33361-33368.	1.7	41
39	Crumpled Cu <sub>2</sub> O-g-C <sub>3</sub> N <sub>4</sub> nanosheets for hydrogen evolution catalysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 527, 34-41.	2.3	41
40	Oxidation kinetics of phenolic and indolic compounds by ozone: applications to synthetic and real swine manure slurry. Water Research, 2002, 36, 1513-1526.	5.3	40
41	Facile synthesis of copper oxide microflowers for nonenzymatic glucose sensor applications. Materials Science in Semiconductor Processing, 2018, 82, 31-38.	1.9	40
42	Photocatalytic properties of hierarchical CuO nanosheets synthesized by a solution phase method. Journal of Environmental Sciences, 2018, 69, 115-124.	3.2	40
43	Sonochemical synthesis of Bi <sub>2</sub> CuO <sub>4</sub> nanoparticles for catalytic degradation of nonylphenol ethoxylate. Chemical Engineering Journal, 2012, 183, 46-52.	6.6	39
44	SnO <sub>2</sub> -decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. Ultrasonics Sonochemistry, 2016, 29, 205-212.	3.8	39
45	MoS <sub>2</sub> coated CoS <sub>2</sub> nanocomposites as counter electrodes in Pt-free dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2019, 21, 25474-25483.	1.3	39
46	(In, Cu) Co-doped ZnS nanoparticles for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 110-117.	3.8	39
47	Ni <sub>3</sub> S <sub>4</sub> /CoS <sub>2</sub> mixed-phase nanocomposite as counter electrode for Pt-free dye-sensitized solar cells. Journal of Power Sources, 2020, 478, 229068.	4.0	39
48	Synthesis of mesoporous Bi <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> microsphere for photocatalytic degradation of Orange II dye. Materials Research Bulletin, 2013, 48, 4174-4180.	2.7	38
49	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. Materials Research Bulletin, 2013, 48, 3357-3361.	2.7	38
50	Surfactant Assisted Synthesis of Copper Oxide Nanoparticles for Photocatalytic Degradation of Methylene Blue in the Presence of Visible Light. Energy and Environment Focus, 2015, 4, 250-255.	0.3	37
51	Fabrication of metal-doped BiOI/MOF composite photocatalysts with enhanced photocatalytic performance. International Journal of Hydrogen Energy, 2021, 46, 5949-5962.	3.8	37
52	Synthesis of ZnO and Au tethered ZnO pyramid-like microflower for photocatalytic degradation of orange II. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 190-196.	1.7	36
53	Sonochemical synthesis of Co <sub>2</sub> SnO <sub>4</sub> nanocubes for supercapacitor applications. Ultrasonics Sonochemistry, 2018, 41, 435-440.	3.8	35
54	Hydrothermal Synthesis of Mesoporous Bi <sub>2</sub> O <sub>3</sub> /Co <sub>3</sub> O <sub>4</sub> Microsphere and Photocatalytic Degradation of Orange II Dyes by Visible Light. Topics in Catalysis, 2013, 56, 623-629.	1.3	34

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55	Mesoporous Microsphere of ZnS Photocatalysts Loaded with CuO or Mn <sub>3</sub> O <sub>4</sub> for the Visible-Light-Assisted Photocatalytic Degradation of Orange II Dye. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 11904-11912.	1.8	33
56	Sonochemical synthesis and characterization of turbostratic MnNi(OH) <sub>2</sub> layered double hydroxide nanoparticles for supercapacitor applications. <i>RSC Advances</i> , 2014, 4, 55519-55523.	1.7	33
57	Environmental Applications of ZnO Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6900-6913.	0.9	33
58	Granular Fe-FeOOH: A stable and efficient catalyst for the decomposition of dissolved ozone in water. <i>Catalysis Communications</i> , 2007, 8, 668-672.	1.6	32
59	Photocatalytic degradation of tartrazine dye using CuO straw-sheaf-like nanostructures. <i>Water Science and Technology</i> , 2017, 75, 1421-1430.	1.2	32
60	Facile synthesis of perovskite LaFeO <sub>3</sub> ferroelectric nanostructures for heavy metal ion removal applications. <i>Materials Chemistry and Physics</i> , 2019, 232, 200-204.	2.0	32
61	The synthesis of nano-silver/polypropylene plastics for antibacterial application. <i>Current Applied Physics</i> , 2012, 12, S89-S95.	1.1	31
62	Synthesis of Reduced Graphene Oxide Supported Flower-like Bismuth Subcarbonates Microsphere (Bi <sub>2</sub> ) Tj ETQq0 0.0 rgBT /Overlock 10	2.6	29
63	Amphiphilic Triblock Copolymer guided Polyaniline embraced CNT nanohybrid with outcropping whiskers as an energy storage electrode. <i>Electrochimica Acta</i> , 2017, 246, 737-747.	2.6	29
64	Sonochemical Synthesis of Layered Copper Hydroxy Nitrate Nanosheets. <i>ChemPhysChem</i> , 2015, 16, 3389-3391.	1.0	28
65	Synthesis of morphology-controlled bismutite for selective applications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7768-7779.	1.3	28
66	Photocatalytic Degradation of Congo Red Using PbTiO <sub>3</sub> Nanorods Synthesized via a Sonochemical Approach. <i>ChemistrySelect</i> , 2018, 3, 11851-11858.	0.7	28
67	The Effect of Storage and Ozonation on the Physical, Chemical, and Biological Characteristics of Swine Manure Slurries. <i>Ozone: Science and Engineering</i> , 1998, 20, 35-50.	1.4	27
68	Microwave assisted rapid synthesis of Bi <sub>2</sub> O <sub>3</sub> short nanorods. <i>Materials Letters</i> , 2009, 63, 2387-2389.	1.3	27
69	Electrochemical Sensor Using Molecular Imprinting Polymerization Modified Electrodes to Detect Methyl Parathion in Environmental Media. <i>Electrocatalysis</i> , 2018, 9, 1-9.	1.5	27
70	Catalytic degradation of a plasticizer, di-ethylhexyl phthalate, using Ni-TiO <sub>2</sub> nanoparticles synthesized via co-precipitation. <i>Chemical Engineering Journal</i> , 2013, 231, 182-189.	6.6	26
71	Microwave synthesis of metal-doped ZnS photocatalysts and applications on degrading 4-chlorophenol using heterogeneous photocatalytic ozonation process. <i>Separation and Purification Technology</i> , 2020, 237, 116469.	3.9	26
72	High-Performance Electrocatalytic Activity of Palladium-Copper Nanoalloy towards Methanol Electrooxidation in an Alkaline Medium. <i>Electroanalysis</i> , 2017, 29, 433-440.	1.5	25

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73	Low- and High-Index Faceted Pd Nanocrystals Embedded in Various Oxygen-Deficient WO <sub>x</sub> Nanostructures for Electrocatalytic Oxidation of Alcohol (EOA) and Carbon Monoxide (CO). ACS Applied Materials & Interfaces, 2019, 11, 10028-10041.	4.0	25
74	Floc strength and dewatering efficiency of alum sludge. Journal of Environmental Management, 2003, 7, 617-621.	1.7	24
75	Exploration of (S)-4,5,6,7-tetrahydrobenzo[d]thiazole-2,6-diamine as feasible corrosion inhibitor for mild steel in acidic media. Journal of Environmental Chemical Engineering, 2014, 2, 463-470.	3.3	23
76	Preparation of ternary photocatalysts and their application in the degradation of 1,4-dioxane using O <sub>3</sub> /UV/photocatalyst process. Separation and Purification Technology, 2020, 235, 116194.	3.9	23
77	Enhanced performance for photocatalytic hydrogen evolution using MoS <sub>2</sub> /graphene hybrids. International Journal of Hydrogen Energy, 2021, 46, 5938-5948.	3.8	23
78	Sonochemical Synthesis of Copper-doped BiVO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanocomposite Materials for Photocatalytic Degradation of Bisphenol A under Simulated Sunlight Irradiation. Nanomaterials, 2020, 10, 498.	1.9	22
79	Enhanced performance of charge storage supercapattery by dominant oxygen deficiency in crystal defects of 2-D MoO <sub>3-x</sub> nanoplates. Applied Surface Science, 2021, 541, 148676.	3.1	22
80	Sensitive electrochemical determination of dopamine and uric acid using AuNPs<sub>(EDAS)</sub>â€“rGO nanocomposites. Analytical Methods, 2016, 8, 4379-4390.	1.3	21
81	Surfactant-assisted synthesis of copper oxide nanorods for the enhanced photocatalytic degradation of Reactive Black 5 dye in wastewater. Environmental Science and Pollution Research, 2020, 27, 17438-17445.	2.7	21
82	Evaluation of water treatment sludge as a catalyst for aqueous ozone decomposition. Catalysis Communications, 2007, 8, 1609-1614.	1.6	20
83	Mineralization of N-methyl-2-pyrrolidone by advanced oxidation processes. Separation and Purification Technology, 2007, 55, 360-367.	3.9	20
84	Catalytic Ozonation of Oxalic Acid Using Carbon-Free Rice Husk Ash Catalysts. Industrial & Engineering Chemistry Research, 2008, 47, 2919-2925.	1.8	20
85	Catalytic Ozonation of Oxalic Acid Using SrTiO<sub>3</sub> Catalyst. Ozone: Science and Engineering, 2011, 33, 74-79.	1.4	20
86	Sonochemical fabrication of reduced graphene oxide supported Au nano dendrites for ethanol electrooxidation in alkaline medium. Catalysis Today, 2018, 307, 308-317.	2.2	20
87	Synthesis of MgTiO<sub>3</sub> Nanoparticles for Photocatalytic Applications. ChemistrySelect, 2019, 4, 788-796.	0.7	20
88	Synthesis of a novel hybrid anode nanoarchitecture of Bi <sub>2</sub> O <sub>3</sub> /porous-RGO nanosheets for high-performance asymmetric supercapacitor. Journal of Electroanalytical Chemistry, 2020, 856, 113489.	1.9	20
89	Mass Transfer of Ozone in Semibatch Stirred Reactor. Journal of Environmental Engineering, ASCE, 2001, 127, 1089-1099.	0.7	19
90	Synthesis of cyanovinyl thiophene with different acceptor containing organic dyes towards high efficient dye sensitized solar cells. Dyes and Pigments, 2016, 133, 222-231.	2.0	19

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91	Oil spills adsorption and cleanup by polymeric materials: A review. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1353-1384.	1.6	19
92	Effect of charge neutralization on the dewatering performance of alum sludge by polymer conditioning. <i>Water Science and Technology</i> , 2001, 44, 315-319.	1.2	18
93	Synthesis of Pt Doped Bi <sub>2</sub> O <sub>3</sub> /RuO <sub>2</sub> Photocatalysts for Hydrogen Production from Water Splitting Using Visible Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5930-5936.	0.9	18
94	Nanosized tantalum based materials – synthesis and applications. <i>Materials Research Bulletin</i> , 2015, 67, 20-46.	2.7	18
95	Sonochemical Synthesis of PdAg/RGO Nanocomposite as an Efficient Electrocatalyst for Both Ethanol Oxidation and Oxygen Reduction Reaction with High CO Tolerance. <i>Electrocatalysis</i> , 2017, 8, 430-441.	1.5	18
96	Hierarchical CuO microstructures synthesis for visible light driven photocatalytic degradation of Reactive Black-5 dye. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6059-6068.	3.3	18
97	The Design of ZnO Nanorod Arrays Coated with MnOx for High Electrochemical Stability of a Pseudocapacitor Electrode. <i>Nanomaterials</i> , 2020, 10, 475.	1.9	18
98	Synthesis of shape-controlled Pd nanocrystals on carbon nanospheres and electrocatalytic oxidation performance for ethanol and ethylene glycol. <i>Applied Surface Science</i> , 2020, 519, 146266.	3.1	18
99	Pseudocapacitive properties of nickel oxide nanoparticles synthesized via ultrasonication approach. <i>Ionics</i> , 2020, 26, 953-960.	1.2	17
100	Ultrasound assisted synthesis of TiO <sub>2</sub> -WO <sub>3</sub> heterostructures for the catalytic degradation of Tergitol (NP-9) in water. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1284-1288.	3.8	16
101	Photocatalyst ZnO-doped Bi <sub>2</sub> O <sub>3</sub> powder prepared by spray pyrolysis. <i>Powder Technology</i> , 2015, 272, 316-321.	2.1	16
102	Effect of floc strength on sludge dewatering by vacuum filtration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 221, 141-147.	2.3	15
103	Amorphous Titania-Coated Magnetite Spherical Nanoparticles: Sonochemical Synthesis and Catalytic Degradation of Nonylphenol Ethoxylate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 7874-7881.	1.8	15
104	Catalytic ozonation of 2-ethoxy ethyl acetate using mesoporous nickel oxalates. <i>Catalysis Communications</i> , 2014, 43, 88-92.	1.6	15
105	Microwave-Assisted Synthesis of BiOBr Microspheres for Photocatalytic Degradation of Tartaric Acids in Aqueous Solution. <i>Topics in Catalysis</i> , 2015, 58, 1100-1111.	1.3	15
106	Ultrasound promoted transition metal doped polyaniline nanofibers: Enhanced electrode material for electrochemical energy storage applications. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 469-477.	3.8	15
107	Facile Microwave-Combustion Synthesis of Wurtzite CdS Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7940-7944.	0.9	14
108	Ultrasonic-Assisted Preparation Of Perovskite-Type Lanthanum Nickelate Nanostructures and Its Photocatalytic Properties. <i>ChemistrySelect</i> , 2020, 5, 7947-7958.	0.7	14

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109	Synthesis of 3D marigold flower-like rGO/BN/Ni(OH) <sub>2</sub> ternary nanocomposites for supercapacitor applications. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3090-3101.	2.5	14
110	Characteristics of Polycyclic Aromatic Hydrocarbon Emissions of Particles of Various Sizes from Smoldering Incense. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 271-276.	1.3	13
111	Photocatalytic degradation of ceftiofur sodium using Au loaded Bi <sub>2</sub> CuO <sub>4</sub> nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2013, 379, 112-116.	4.8	13
112	Solvothermal synthesis of mesoporous Zn-GaOOH semi-nanospheres. <i>Materials Letters</i> , 2013, 111, 137-139.	1.3	13
113	Facile ultrasound assisted synthesis of monodisperse spherical CuMn(OH) <sub>3</sub> NO <sub>3</sub> nanoparticles for energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017, 699, 745-750.	2.8	13
114	Enhancing the photocatalytic hydrogen evolution of copper doped zinc sulfide nanoballs through surfactants modification. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30563-30573.	3.8	13
115	Synthesis of magnetite nanoparticles anchored cellulose and lignin-based carbon nanotube composites for rapid oil spill cleanup. <i>Materials Today Communications</i> , 2020, 22, 100746.	0.9	13
116	Pseudocapacitive performance of Mn <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> hybrid nanoparticles synthesized via ultrasonication approach. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 609-619.	1.5	13
117	Preparation of Bismuth Oxide Photocatalyst and Its Application in White-light LEDs. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	1.5	12
118	Gold Triangular Nanoprisms and Nanodecahedra: Synthesis and Interaction Studies with Luminol toward Biosensor Applications. <i>Langmuir</i> , 2016, 32, 11854-11860.	1.6	12
119	Platinum-free dye-sensitized solar cells by flower-like mixed-phase Co <sub>x</sub> S <sub>y</sub> /Ni <sub>x</sub> S <sub>y</sub> /Mo <sub>x</sub> S <sub>y</sub> composites. <i>New Journal of Chemistry</i> , 2021, 45, 1967-1976.	1.4	12
120	Photocatalytic Hydrogen Evolution from Water Splitting Using Core-Shell Structured Cu/ZnS/COF Composites. <i>Nanomaterials</i> , 2021, 11, 3380.	1.9	12
121	Catalytic oxidation of phenol in the presence of iron-containing composites based on silicon and boron nitrides. <i>Russian Journal of Applied Chemistry</i> , 2012, 85, 41-45.	0.1	11
122	Effective Degradation of Fipronil Using Combined Catalytic Ozonation Processes. <i>Ozone: Science and Engineering</i> , 2015, 37, 186-190.	1.4	11
123	Modified pyrene based organic sensitizers with thiophene-2-acetonitrile as π-spacer for dye sensitized solar cell applications. <i>Organic Electronics</i> , 2016, 37, 326-335.	1.4	11
124	Graphene Quantum Dots Anchored Gold Nanorods for Electrochemical Detection of Glutathione. <i>ChemistrySelect</i> , 2017, 2, 4744-4752.	0.7	11
125	Graphene nanosheets supported high-defective Pd nanocrystals as an efficient electrocatalyst for hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 425, 131526.	6.6	11
126	Synthesis of Dandelion-like CuO microspheres for photocatalytic degradation of reactive black-5. <i>Materials Research Express</i> , 2018, 5, 015053.	0.8	10



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127	Synthesis, characterization and adsorption properties of Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> nanoparticles. Solid State Sciences, 2019, 92, 13-23.	1.5	10
128	Sonochemical reduction method for synthesis of TiO <sub>2</sub> Pd nanocomposites and investigation of anode and cathode catalyst for ethanol oxidation and oxygen reduction reaction in alkaline medium. International Journal of Hydrogen Energy, 2019, 44, 30705-30718.	3.8	10
129	Synthesis of MOF/MoS <sub>2</sub> composite photocatalysts with enhanced photocatalytic performance for hydrogen evolution from water splitting. International Journal of Hydrogen Energy, 2022, 47, 40755-40767.	3.8	10
130	Insights into the binding of photothermal therapeutic agent bismuth sulfide nanorods with human serum albumin. RSC Advances, 2016, 6, 16215-16222.	1.7	9
131	Ozone-Based Advanced Oxidation Processes for the Decomposition of N-Methyl-2-Pyrrolidone in Aqueous Medium. Ozone: Science and Engineering, 2007, 29, 177-183.	1.4	8
132	By-product assisted hydrothermal synthesis of InOOH microflower composed of nanosheets. Materials Letters, 2013, 98, 86-89.	1.3	8
133	Advanced Nanomaterials for Water Splitting and Hydrogen Generation. , 2018, , 145-167.		8
134	Synthesis of ZnTiO <sub>3</sub> @TiO <sub>2</sub> Heterostructure Nanomaterial as a Visible light Photocatalyst. ChemistrySelect, 2019, 4, 6106-6112.	0.7	8
135	Rice grain like Bi <sub>2</sub> S <sub>3</sub> nanorods and its photocatalytic performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 268, 115144.	1.7	8
136	Hierarchical N-Mo <sub>3</sub> C <sub>2</sub> /Mo <sub>2</sub> C nanohybrids and their superior supercapacitor performance in an ionic liquid electrolyte. Journal of Energy Storage, 2021, 44, 103317.	3.9	8
137	LaCo <sub>x</sub> Fe <sub>1-x</sub> O <sub>3</sub> (<math xmlns:mml="http://www.w3.org/1998/Math/MathML">Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 T</math>) ultrasonic approach as photocatalysts. Ultrasonics Sonochemistry, 2021, 80, 105824.	3.8	8
138	Defect-enriched heterointerfaces Nâ€“MoO <sub>2</sub> â€“Mo <sub>2</sub> C supported Pd nanocomposite as a novel multifunctional electrocatalyst for oxygen reduction reaction and overall water splitting. Materials Today Chemistry, 2022, 24, 100799.	1.7	8
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