Jerry J Wu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173 papers	4,126 citations	34 h-index	55 g-index
176 ext. papers	4,819 ext. citations	4.8 avg, IF	6.09 L-index

#	Paper	IF	Citations
173	Synthesis of CuO-ZnO nanophotocatalyst for visible light assisted degradation of a textile dye in aqueous solution. *Chemical Engineering Journal*, **2011**, 171, 136-140	14.7	209
172	Recent developments in ZnS photocatalysts from synthesis to photocatalytic applications □A review. *Powder Technology*, **2017**, 318, 8-22	5.2	208
171	Treatment of landfill leachate by ozone-based advanced oxidation processes. *Chemosphere*, **2004**, 54, 997-1003	8.4	168
170	Sonochemical synthesis of CuO nanostructures with different morphology. *Ultrasonics Sonochemistry*, **2012**, 19, 682-6	8.9	121
169	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi2O3and Au/Bi2O3Nanorods. *Industrial & Engineering Chemistry Research*, **2010**, 49, 9729-9737	3.9	120
168	Facile Fabrication of Tunable Bi2O3 Self-Assembly and Its Visible Light Photocatalytic Activity. *Journal of Physical Chemistry C*, **2012**, 116, 12906-12915	3.8	113
167	Photocatalytic hydrogen evolution from water splitting using Cu doped ZnS microspheres under visible light irradiation. *Renewable Energy*, **2016**, 89, 18-26	8.1	100
166	Synthesis of Mn3O4 nanoparticles via chemical precipitation approach for supercapacitor application. *Journal of Alloys and Compounds*, **2015**, 636, 234-240	5.7	98
165	Synthesis of MoO3 nanoparticles for azo dye degradation by catalytic ozonation. *Materials Research Bulletin*, **2015**, 62, 184-191	5.1	84
164	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. *International Journal of Photoenergy*, **2014**, 2014, 1-21	2.1	83
163	Synthesis, characterization and catalytic activity of easily recyclable zinc oxide nanobundles. *Applied Catalysis B: Environmental*, **2008**, 80, 32-41	21.8	83
162	Controlled Fabrication of □GaOOH and □Ga2O3 Self-Assembly and Its Superior Photocatalytic Activity. *Journal of Physical Chemistry C*, **2012**, 116, 44-53	3.8	79
161	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	5.3	76
160	Sonochemically synthesized MnO2 nanoparticles as electrode material for supercapacitors. *Ultrasonics Sonochemistry*, **2014**, 21, 1933-8	8.9	70
159	Ultrasound assisted synthesis of Mn3O4 nanoparticles anchored graphene nanosheets for supercapacitor applications. *Electrochimica Acta*, **2015**, 156, 127-137	6.7	68
158	Oxidation of DMSO on goethite catalyst in the presence of H2O2 at neutral pH. *Catalysis Communications*, **2006**, 7, 901-906	3.2	61
157	Degradation of DMSO by ozone-based advanced oxidation processes. *Journal of Hazardous Materials*, **2007**, 149, 218-25	12.8	56

156	Sonochemical Synthesis of Hollow Copper Doped Zinc Sulfide Nanostructures: Optical and Catalytic Properties for Visible Light Assisted Photosplitting of Water. *Industrial & Engineering Chemistry Research*, **2014**, 53, 8766-8772	3.9	55
155	Recent developments in heterogeneous catalyzed environmental remediation processes. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 1898-910	1.3	53
154	Investigation on photocatalytic potential of AuTa2O5 semiconductor nanoparticle by degrading Methyl Orange in aqueous solution by illuminating with visible light. *Catalysis Science and Technology*, **2012**, 2, 2502	5.5	50
153	Magnetic and catalytic properties of inverse spinel CuFe2O4 nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2017**, 432, 437-443	2.8	45
152	Hydrothermal synthesis of coral-like Au/ZnO catalyst and photocatalytic degradation of Orange II dye. *Materials Research Bulletin*, **2013**, 48, 2375-2382	5.1	45
151	Effect of temperature on the formation of macroporous ZnO bundles and its application in photocatalysis. *Journal of Hazardous Materials*, **2009**, 172, 700-6	12.8	45
150	Sonochemical synthesis of silver nanoparticles anchored reduced graphene oxide nanosheets for selective and sensitive detection of glutathione. *Ultrasonics Sonochemistry*, **2017**, 39, 363-373	8.9	42
149	Sonochemical Synthesis of Mg-TiO2 nanoparticles for persistent Congo red dye degradation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 346, 559-569	4.7	41
148	Simultaneous detection of dopamine and ascorbic acid using silicate network interlinked gold nanoparticles and multi-walled carbon nanotubes. *Sensors and Actuators B: Chemical*, **2015**, 210, 731-741	8.5	41
147	Effect of Ultrasonic Irradiation on the Catalytic Activity and Stability of Goethite Catalyst in the Presence of H2O2 at Acidic Medium. *Industrial & Engineering Chemistry Research*, **2007**, 46, 691-698	3.9	41
146	The Use of Ozone to reduce the Concentration of Malodorous Metabolites in Swine Manure Slurry. *Biosystems Engineering*, **1999**, 72, 317-327		40
145	The oxidation study of 2-propanol using ozone-based advanced oxidation processes. *Separation and Purification Technology*, **2008**, 62, 39-46	8.3	38
144	Photocatalytic and photoelectrocatalytic performance of sonochemically synthesized CuO@TiO heterojunction nanocomposites. *Ultrasonics Sonochemistry*, **2019**, 51, 223-229	8.9	38
143	Oxidation kinetics of phenolic and indolic compounds by ozone: applications to synthetic and real swine manure slurry. *Water Research*, **2002**, 36, 1513-26	12.5	37
142	Crumpled Cu 2 O-g-C 3 N 4 nanosheets for hydrogen evolution catalysis. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 527, 34-41	5.1	35
141	Sonochemical Synthesis of Mesoporous NiTiO3 Ilmenite Nanorods for the Catalytic Degradation of Tergitol in Water. *Industrial & Engineering Chemistry Research*, **2015**, 54, 2983-2990	3.9	34
140	Sonochemical synthesis of Bi2CuO4 nanoparticles for catalytic degradation of nonylphenol ethoxylate. *Chemical Engineering Journal*, **2012**, 183, 46-52	14.7	34
139	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	3.1	33

138	High index surfaces of Au-nanocrystals supported on one-dimensional MoO3-nanorod as a bi-functional electrocatalyst for ethanol oxidation and oxygen reduction. *Electrochimica Acta*, **2017**, 246, 75-88	6.7	32
137	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. *Materials Research Bulletin*, **2013**, 48, 3357-3361	5.1	32
136	Mesoporous Microsphere of ZnS Photocatalysts Loaded with CuO or Mn3O4 for the Visible-Light-Assisted Photocatalytic Degradation of Orange II Dye. *Industrial & Engineering Chemistry Research*, **2013**, 52, 11904-11912	3.9	29
135	MoS2 nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. *Electrochimica Acta*, **2019**, 294, 134-141	6.7	29
134	SnO2-decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. *Ultrasonics Sonochemistry*, **2016**, 29, 205-12	8.9	28
133	High Response CO Sensor Based on a Polyaniline/SnO□Nanocomposite. *Polymers*, **2019**, 11,	4.5	28
132	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		28
131	Facile synthesis of copper oxide microflowers for nonenzymatic glucose sensor applications. *Materials Science in Semiconductor Processing*, **2018**, 82, 31-38	4.3	28
130	Photocatalytic properties of hierarchical CuO nanosheets synthesized by a solution phase method. *Journal of Environmental Sciences*, **2018**, 69, 115-124	6.4	28
129	Sonochemical synthesis and characterization of turbostratic MnNi(OH)2 layered double hydroxide nanoparticles for supercapacitor applications. *RSC Advances*, **2014**, 4, 55519-55523	3.7	28
128	The synthesis of nano-silver/polypropylene plastics for antibacterial application. *Current Applied Physics*, **2012**, 12, S89-S95	2.6	28
127	Synthesis of N-doped potassium tantalate perovskite material for environmental applications. *Journal of Solid State Chemistry*, **2018**, 258, 647-655	3.3	28
126	Synthesis of mesoporous Bi2O3/CeO2 microsphere for photocatalytic degradation of Orange II dye. *Materials Research Bulletin*, **2013**, 48, 4174-4180	5.1	27
125	Hybrid SnO2□o3O4 nanocubes prepared via a CoSn(OH)6 intermediate through a sonochemical route for energy storage applications. *RSC Advances*, **2016**, 6, 33361-33368	3.7	27
124	Amphiphilic Triblock Copolymer guided Polyaniline embraced CNT nanohybrid with outcropping whiskers as an energy storage electrode. *Electrochimica Acta*, **2017**, 246, 737-747	6.7	26
123	Granular □FeOOH □A stable and efficient catalyst for the decomposition of dissolved ozone in water. *Catalysis Communications*, **2007**, 8, 668-672	3.2	26
122	(In, Cu) Co-doped ZnS nanoparticles for photoelectrochemical hydrogen production. *International Journal of Hydrogen Energy*, **2019**, 44, 110-117	6.7	26
121	Synthesis of Reduced Graphene Oxide Supported Flower-like Bismuth Subcarbonates Microsphere (Bi 2 O 2 CO 3 -RGO) for Supercapacitor Application. *Electrochimica Acta*, **2017**, 244, 209-221	6.7	25

120	Microwave assisted rapid synthesis of Bi2O3 short nanorods. *Materials Letters*, **2009**, 63, 2387-2389	3.3	25
119	Photocatalytic degradation of tartrazine dye using CuO straw-sheaf-like nanostructures. *Water Science and Technology*, **2017**, 75, 1421-1430	2.2	24
118	The Effect of Storage and Ozonation on the Physical, Chemical, and Biological Characteristics of Swine Manure Slurries. *Ozone: Science and Engineering*, **1998**, 20, 35-50	2.4	23
117	Hydrothermal Synthesis of Mesoporous Bi2O3/Co3O4 Microsphere and Photocatalytic Degradation of Orange II Dyes by Visible Light. *Topics in Catalysis*, **2013**, 56, 623-629	2.3	22
116	Synthesis of g-C3N4/BiVO4 heterojunction composites for photocatalytic degradation of nonylphenol ethoxylate. *Separation and Purification Technology*, **2020**, 250, 117202	8.3	21
115	Synthesis of morphology-controlled bismutite for selective applications. *Physical Chemistry Chemical Physics*, **2016**, 18, 7768-79	3.6	20
114	Catalytic Ozonation of Oxalic Acid Using SrTiO3 Catalyst. *Ozone: Science and Engineering*, **2011**, 33, 74-79	2.4	20
113	Mineralization of N-methyl-2-pyrolidone by advanced oxidation processes. *Separation and Purification Technology*, **2007**, 55, 360-367	8.3	20
112	Electrochemical Sensor Using Molecular Imprinting Polymerization Modified Electrodes to Detect Methyl Parathion in Environmental Media. *Electrocatalysis*, **2018**, 9, 1-9	2.7	20
111	Low- and High-Index Faceted Pd Nanocrystals Embedded in Various Oxygen-Deficient WO Nanostructures for Electrocatalytic Oxidation of Alcohol (EOA) and Carbon Monoxide (CO). *ACS Applied Materials & Interfaces*, **2019**, 11, 10028-10041	9.5	19
110	Sonochemical synthesis of CoSnO nanocubes for supercapacitor applications. *Ultrasonics Sonochemistry*, **2018**, 41, 435-440	8.9	19
109	Floc strength and dewatering efficiency of alum sludge. *Journal of Environmental Management*, **2003**, 7, 617-621		19
108	Environmental Applications of ZnO Materials. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 6900-13	1.3	18
107	Catalytic degradation of a plasticizer, di-ethylhexyl phthalate, using NxTiO2 nanoparticles synthesized via co-precipitation. *Chemical Engineering Journal*, **2013**, 231, 182-189	14.7	18
106	Catalytic Ozonation of Oxalic Acid Using Carbon-Free Rice Husk Ash Catalysts. *Industrial & Engineering Chemistry Research*, **2008**, 47, 2919-2925	3.9	18
105	Evaluation of water treatment sludge as a catalyst for aqueous ozone decomposition. *Catalysis Communications*, **2007**, 8, 1609-1614	3.2	18
104	Nanosized tantala based materials synthesis and applications. *Materials Research Bulletin*, **2015**, 67, 20-46	5.1	17
103	Sonochemical fabrication of reduced graphene oxide supported Au nano dendrites for ethanol electrooxidation in alkaline medium. *Catalysis Today*, **2018**, 307, 308-317	5.3	17

102	High-Performance Electrocatalytic Activity of Palladium-Copper Nanoalloy towards Methanol Electro-oxidation in an Alkaline Medium. *Electroanalysis*, **2017**, 29, 433-440	3	17
101	Mass Transfer of Ozone in Semibatch Stirred Reactor. *Journal of Environmental Engineering, ASCE*, **2001**, 127, 1089-1099	2	17
100	Effect of charge neutralization on the dewatering performance of alum sludge by polymer conditioning. *Water Science and Technology*, **2001**, 44, 315-319	2.2	17
99	Sensitive electrochemical determination of dopamine and uric acid using AuNPs(EDAS)ÐGO nanocomposites. *Analytical Methods*, **2016**, 8, 4379-4390	3.2	17
98	MoS coated CoS nanocomposites as counter electrodes in Pt-free dye-sensitized solar cells. *Physical Chemistry Chemical Physics*, **2019**, 21, 25474-25483	3.6	17
97	Fabrication of metal-doped BiOI/MOF composite photocatalysts with enhanced photocatalytic performance. *International Journal of Hydrogen Energy*, **2021**, 46, 5949-5962	6.7	17
96	Synthesis of Pt doped Bi2O3/RuO2 photocatalysts for hydrogen production from water splitting using visible light. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 5930-6	1.3	16
95	Ni3S4/CoS2 mixed-phase nanocomposite as counter electrode for Pt-free dye-sensitized solar cells. *Journal of Power Sources*, **2020**, 478, 229068	8.9	16
94	Sonochemical Synthesis of PdAg/RGO Nanocomposite as an Efficient Electrocatalyst for Both Ethanol Oxidation and Oxygen Reduction Reaction with High CO Tolerance. *Electrocatalysis*, **2017**, 8, 430-441	2.7	15
93	Synthesis of cyanovinyl thiophene with different acceptor containing organic dyes towards high efficient dye sensitized solar cells. *Dyes and Pigments*, **2016**, 133, 222-231	4.6	15
92	Ultrasound assisted synthesis of TiO2-WO3 heterostructures for the catalytic degradation of Tergitol (NP-9) in water. *Ultrasonics Sonochemistry*, **2014**, 21, 1284-8	8.9	15
91	Sonochemical Synthesis of Layered Copper Hydroxy Nitrate Nanosheets. *ChemPhysChem*, **2015**, 16, 3389-91	3.2	15
90	Amorphous Titania-Coated Magnetite Spherical Nanoparticles: Sonochemical Synthesis and Catalytic Degradation of Nonylphenol Ethoxylate. *Industrial & Engineering Chemistry Research*, **2011**, 50, 7874-7881	3.9	15
89	Catalytic ozonation of 2-ethoxy ethyl acetate using mesoporous nickel oxalates. *Catalysis Communications*, **2014**, 43, 88-92	3.2	14
88	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	6.8	14
87	Effect of floc strength on sludge dewatering by vacuum filtration. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2003**, 221, 141-147	5.1	14
86	Facile synthesis of perovskite LaFeO3 ferroelectric nanostructures for heavy metal ion removal applications. *Materials Chemistry and Physics*, **2019**, 232, 200-204	4.4	13
85	Photocatalyst ZnO-doped Bi2O3 powder prepared by spray pyrolysis. *Powder Technology*, **2015**, 272, 316-321	5.2	13

84	Ultrasound promoted transition metal doped polyaniline nanofibers: Enhanced electrode material for electrochemical energy storage applications. *Ultrasonics Sonochemistry*, **2019**, 51, 469-477	8.9	13
83	Facile microwave-combustion synthesis of wurtzite CdS nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 7940-4	1.3	13
82	Facile sonochemical synthesis of CdS/COF heterostructured nanocomposites and their enhanced photocatalytic degradation of Bisphenol-A. *Separation and Purification Technology*, **2021**, 271, 118873	8.3	13
81	Sonochemical Synthesis of Copper-doped BiVO/g-CN Nanocomposite Materials for Photocatalytic Degradation of Bisphenol A under Simulated Sunlight Irradiation. *Nanomaterials*, **2020**, 10,	5.4	12
80	Synthesis of shape-controlled Pd nanocrystals on carbon nanospheres and electrocatalytic oxidation performance for ethanol and ethylene glycol. *Applied Surface Science*, **2020**, 519, 146266	6.7	12
79	Photocatalytic degradation of ceftiofur sodium using Au loaded Bi2CuO4 nanoparticles. *Journal of Molecular Catalysis A*, **2013**, 379, 112-116		12
78	Preparation of ternary photocatalysts and their application in the degradation of 1,4-dioxane using O3/UV/photocatalyst process. *Separation and Purification Technology*, **2020**, 235, 116194	8.3	12
77	Photocatalytic Degradation of Congo Red Using PbTiO3 Nanorods Synthesized via a Sonochemical Approach. *ChemistrySelect*, **2018**, 3, 11851-11858	1.8	12
76	Hierarchical CuO microstructures synthesis for visible light driven photocatalytic degradation of Reactive Black-5 dye. *Journal of Environmental Chemical Engineering*, **2018**, 6, 6059-6068	6.8	12
75	Synthesis of MgTiO3 Nanoparticles for Photocatalytic Applications. *ChemistrySelect*, **2019**, 4, 788-796	1.8	11
74	Microwave-Assisted Synthesis of BiOBr Microspheres for Photocatalytic Degradation of Tartaric Acids in Aqueous Solution. *Topics in Catalysis*, **2015**, 58, 1100-1111	2.3	11
73	Catalytic oxidation of phenol in the presence of iron-containing composites based on silicon and boron nitrides. *Russian Journal of Applied Chemistry*, **2012**, 85, 41-45	0.8	11
72	Microwave synthesis of metal-doped ZnS photocatalysts and applications on degrading 4-chlorophenol using heterogeneous photocatalytic ozonation process. *Separation and Purification Technology*, **2020**, 237, 116469	8.3	11
71	Modified pyrene based organic sensitizers with thiophene-2-acetonitrile as spacer for dye sensitized solar cell applications. *Organic Electronics*, **2016**, 37, 326-335	3.5	10
70	Enhancing the photocatalytic hydrogen evolution of copper doped zinc sulfide nanoballs through surfactants modification. *International Journal of Hydrogen Energy*, **2019**, 44, 30563-30573	6.7	10
69	Characteristics of polycyclic aromatic hydrocarbon emissions of particles of various sizes from smoldering incense. *Bulletin of Environmental Contamination and Toxicology*, **2012**, 88, 271-6	2.7	10
68	Facile ultrasound assisted synthesis of monodisperse spherical CuMn(OH) 3 NO 3 nanoparticles for energy storage applications. *Journal of Alloys and Compounds*, **2017**, 699, 745-750	5.7	9
67	Gold Triangular Nanoprisms and Nanodecahedra: Synthesis and Interaction Studies with Luminol toward Biosensor Applications. *Langmuir*, **2016**, 32, 11854-11860	4	9

66	Insights into the binding of photothermal therapeutic agent bismuth sulfide nanorods with human serum albumin. *RSC Advances*, **2016**, 6, 16215-16222	3.7	9
65	Solvothermal synthesis of mesoporous □GaOOH semi-nanospheres. *Materials Letters*, **2013**, 111, 137-139	3.3	9
64	Graphene Quantum Dots Anchored Gold Nanorods for Electrochemical Detection of Glutathione. *ChemistrySelect*, **2017**, 2, 4744-4752	1.8	8
63	Synthesis, characterization and adsorption properties of Cu2V2O7 nanoparticles. *Solid State Sciences*, **2019**, 92, 13-23	3.4	8
62	The Design of ZnO Nanorod Arrays Coated with MnOx for High Electrochemical Stability of a Pseudocapacitor Electrode. *Nanomaterials*, **2020**, 10,	5.4	8
61	Synthesis of 3D marigold flower-like rGO/BN/Ni(OH)2 ternary nanocomposites for supercapacitor applications. *Sustainable Energy and Fuels*, **2020**, 4, 3090-3101	5.8	8
60	By-product assisted hydrothermal synthesis of InOOH microflower composed of nanosheets. *Materials Letters*, **2013**, 98, 86-89	3.3	8
59	Synthesis of a novel hybrid anode nanoarchitecture of Bi2O3/porous-RGO nanosheets for high-performance asymmetric supercapacitor. *Journal of Electroanalytical Chemistry*, **2020**, 856, 113489	4.1	8
58	Synthesis of magnetite nanoparticles anchored cellulose and lignin-based carbon nanotube composites for rapid oil spill cleanup. *Materials Today Communications*, **2020**, 22, 100746	2.5	8
57	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	5.1	8
56	Enhanced performance for photocatalytic hydrogen evolution using MoS2/graphene hybrids. *International Journal of Hydrogen Energy*, **2021**, 46, 5938-5948	6.7	8
55	Enhanced performance of charge storage supercapattery by dominant oxygen deficiency in crystal defects of 2-D MoO3-x nanoplates. *Applied Surface Science*, **2021**, 541, 148676	6.7	8
54	Sonochemical reduction method for synthesis of TiO2Pd 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	6.7	7
53	Pseudocapacitive properties of nickel oxide nanoparticles synthesized via ultrasonication approach. *Ionics*, **2020**, 26, 953-960	2.7	7
52	Effective Degradation of Fipronil Using Combined Catalytic Ozonation Processes. *Ozone: Science and Engineering*, **2015**, 37, 186-190	2.4	6
51	Preparation of Bismuth Oxide Photocatalyst and Its Application in White-light LEDs. *Journal of Nanomaterials*, **2013**, 2013, 1-7	3.2	6
50	Ozone-Based Advanced Oxidation Processes for the Decomposition of N-Methyl-2-Pyrolidone in Aqueous Medium. *Ozone: Science and Engineering*, **2007**, 29, 177-183	2.4	6
49	Preparation of Dumbbell-like Er/ZnO Microrods with Efficient Energy Upconversion for the Catalytic Degradation of Tartaric Acid in Water. *Topics in Catalysis*, **2017**, 60, 1359-1369	2.3	5

48	Sonochemical synthesis of carbon supported Sn nanoparticles and its electrochemical application. *Ultrasonics Sonochemistry*, **2014**, 21, 1954-7	8.9	5
47	Oxidation of Propylene Glycol Methyl Ether Acetate Using Ozone-Based Advanced Oxidation Processes. *Ozone: Science and Engineering*, **2008**, 30, 332-338	2.4	5
46	Kinetics and Modeling of IPA Oxidation Using Ozone-Based Advanced Oxidation Processes. *Industrial & Engineering Chemistry Research*, **2008**, 47, 1820-1827	3.9	5
45	Facile synthesis of self-assembled biporous NiO and its electrochemical properties. *Electronic Materials Letters*, **2016**, 12, 693-701	2.9	5
44	Synthesis, Characterization of □GaOOH Self-Assembly and Its Application in Removal of Perfluorinated Compounds. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 6524-32	1.3	4
43	Catalytic activity evaluation of mesoporous □GaOOH microspheres self-assembly. *Journal of Industrial and Engineering Chemistry*, **2015**, 26, 348-353	6.3	4
42	Pseudocapacitive performance of Mn3O4□SnO2 hybrid nanoparticles synthesized via ultrasonication approach. *Journal of Applied Electrochemistry*, **2020**, 50, 609-619	2.6	4
41	Copper containing photocatalyst based on F-TiO2 for hydroden production from water and water organic solution. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 291-297	1.5	4
40	Enhanced photocatalytic hydrogen and methane evolution using chalcogenide with metal ion modification via a microwave-assisted solvothermal method. *Catalysis Today*, **2020**, 355, 493-501	5.3	4
39	Advanced Nanomaterials for Water Splitting and Hydrogen Generation **2018**, 145-167		4
38	Synthesis of ZnTiO3@TiO2 Heterostructure Nanomaterial as a Visible light Photocatalyst. *ChemistrySelect*, **2019**, 4, 6106-6112	1.8	3
37	Fabrication of molybdenum oxycarbide nanoparticles dispersed on nitrogen-doped carbon hollow nanotubes through anion exchange mechanism for enhanced performance in supercapacitor. *Journal of Energy Storage*, **2020**, 27, 101122	7.8	3
36	Synthesis of Magnetite-Based Polymers as Mercury and Anion Sensors Using Single Electron Transfer-Living Radical Polymerization. *ACS Omega*, **2020**, 5, 7201-7210	3.9	3
35	Synthesis of Dandelion□like CuO microspheres for photocatalytic degradation of reactive black-5. *Materials Research Express*, **2018**, 5, 015053	1.7	3
34	Fabrication and photocatalytic properties of self-assembled in(OH)3 and In2O3 nano/micro-cubes. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 1639-48	1.3	3
33	Flux Assisted Shape Tunable Synthesis of Zinc Oxide Microflowers. *Advanced Science Letters*, **2010**, 3, 491-495	0.1	3
32	Synthesis of Metal/Metal Oxide Supported Reduced Graphene Oxide (RGO) for the Applications of Electrocatalysis and Supercapacitors. *Carbon Nanostructures*, **2019**, 1-48	0.6	3
31	Laser-assisted decoration of carbon nanotubes with palladium nanoparticles for application in electrochemical methanol oxidation. *Bulletin of Materials Science*, **2021**, 44, 1	1.7	3

30	Rice grain like Bi2S3 nanorods and its photocatalytic performance. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 268, 115144	3.1	3
29	Chemiluminescence studies between aqueous phase synthesized mercaptosuccinic acid capped cadmium telluride quantum dots and luminol-H2O2. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 165, 138-144	4.4	3
28	Graphene nanosheets supported high-defective Pd nanocrystals as an efficient electrocatalyst for hydrogen evolution reaction. *Chemical Engineering Journal*, **2021**, 425, 131526	14.7	3
27	Low operating temperature CO sensor prepared using SnO2 nanoparticles. *Journal of Electroceramics*, **2018**, 41, 28-36	1.5	2
26	Low temperature synthesis of single crystal ZnO microflower composed of hexagonal nanorods. *Materials Letters*, **2013**, 107, 64-67	3.3	2
25	Mechanical Properties Measurement of Polymer Films by Bulge Test and Fringe Projection. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-12	1.5	2
24	Synthesis of Nitrogen-Doped ZnS with Camellia Brushfield Yellow Nanostructures for Enhanced Photocatalytic Activity under Visible Light Irradiation. *International Journal of Photoenergy*, **2013**, 2013, 1-7	2.1	2
23	Control of disinfection byproduct formation in Feng-Shan reservoir by the traditional treatment processes plus O3-pilot-plant test. *Water Science and Technology*, **2007**, 55, 127-31	2.2	2
22	Facile synthesis of SnO2 nanoparticle intercalated unzipped multi-walled carbon nanotubes via an ultrasound-assisted route for symmetric supercapacitor devices. *Sustainable Energy and Fuels*, **2020**, 4, 5120-5131	5.8	2
21	Microwave-Assisted Solvothermal Synthesis of Chalcogenide Composite Photocatalyst and Its Photocatalytic CO2 Reduction Activity under Simulated Solar Light. *Catalysts*, **2020**, 10, 789	4	2
20	Ultrasonic-Assisted Preparation Of Perovskite-Type Lanthanum Nickelate Nanostructures and Its Photocatalytic Properties. *ChemistrySelect*, **2020**, 5, 7947-7958	1.8	2
19	Sonochemical synthesis of Ga-doped ZnS nanoballs with enhanced photocatalytic activity for Orange II dye degradation in wastewater. *International Journal of Nanotechnology*, **2018**, 15, 804	1.5	2
18	Oil spills adsorption and cleanup by polymeric materials: A review. *Polymers for Advanced Technologies*, **2022**, 33, 1353-1384	3.2	2
17	Electropolymerization of cobalto(5,10,15-tris(4-aminophenyl)-20-phenylporphyrin) for electrochemical detection of antioxidant-antipyrine. *Journal of Porphyrins and Phthalocyanines*, **2015**, 19, 719-725	1.8	1
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