

Jerry J Wu

List of Publications by Year in Descending Order

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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	Defective engineering of heterostructured N-Mo ₂ C@MoO _{3-x} electrode materials for the dual function of electrochemical sensing and supercapacitor applications. <i>Electrochimica Acta</i> , 2022 , 408, 139964	6.7	0
172	Oil spills adsorption and cleanup by polymeric materials: A review. <i>Polymers for Advanced Technologies</i> , 2022 , 33, 1353-1384	3.2	2
171	Defect-enriched heterointerfaces N-MoO ₂ /Mo ₂ C supported Pd nanocomposite as a novel multifunctional electrocatalyst for oxygen reduction reaction and overall water splitting. <i>Materials Today Chemistry</i> , 2022 , 24, 100799	6.2	1
170	Perovskite nanocomposite of defective yolk-shell BaHo ₂ Co ₃ O _{8-x} for electrochemical sensing of ractopamine in pork meat sample. <i>Materials Today Chemistry</i> , 2022 , 25, 100965	6.2	0
169	LaCoFeO (001) spherical nanostructures prepared via ultrasonic approach as photocatalysts. <i>Ultrasonics Sonochemistry</i> , 2021 , 80, 105824	8.9	0
168	Hydrothermal Synthesis of Co ₃ O ₄ /ZnCo ₂ O ₄ Core-Shell Nanostructures for High-Performance Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 123502	3.9	0
167	Hierarchical N-Mo ₃ C ₂ /Mo ₂ C nanohybrids and their superior supercapacitor performance in an ionic liquid electrolyte. <i>Journal of Energy Storage</i> , 2021 , 44, 103317	7.8	1
166	Synthesis of MOF/MoS ₂ composite photocatalysts with enhanced photocatalytic performance for hydrogen evolution from water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	1
165	Laser-assisted decoration of carbon nanotubes with palladium nanoparticles for application in electrochemical methanol oxidation. <i>Bulletin of Materials Science</i> , 2021 , 44, 1	1.7	3
164	Rice grain like Bi ₂ S ₃ nanorods and its photocatalytic performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 268, 115144	3.1	3
163	Effective carbon dioxide sorption by using phyllosilicate anchored poly(quaternary-ammoniumhydroxidemethyl styrene) nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-11	2.6	
162	Enhanced performance for photocatalytic hydrogen evolution using MoS ₂ /graphene hybrids. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5938-5948	6.7	8
161	Enhanced performance of charge storage supercapattery by dominant oxygen deficiency in crystal defects of 2-D MoO _{3-x} nanoplates. <i>Applied Surface Science</i> , 2021 , 541, 148676	6.7	8
160	Platinum-free dye-sensitized solar cells by flower-like mixed-phase Co _x S _y /Ni _x S _y /Mo _x S _y composites. <i>New Journal of Chemistry</i> , 2021 , 45, 1967-1976	3.6	1
159	Facile sonochemical synthesis of CdS/COF heterostructured nanocomposites and their enhanced photocatalytic degradation of Bisphenol-A. <i>Separation and Purification Technology</i> , 2021 , 271, 118873	8.3	13
158	Graphene nanosheets supported high-defective Pd nanocrystals as an efficient electrocatalyst for hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021 , 425, 131526	14.7	3
157	Fabrication of metal-doped BiOI/MOF composite photocatalysts with enhanced photocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5949-5962	6.7	17

156	Synthesis of g-C ₃ N ₄ /BiVO ₄ heterojunction composites for photocatalytic degradation of nonylphenol ethoxylate. <i>Separation and Purification Technology</i> , 2020 , 250, 117202	8.3	21
155	Fabrication of molybdenum oxycarbide nanoparticles dispersed on nitrogen-doped carbon hollow nanotubes through anion exchange mechanism for enhanced performance in supercapacitor. <i>Journal of Energy Storage</i> , 2020 , 27, 101122	7.8	3
154	The Design of ZnO Nanorod Arrays Coated with MnO _x for High Electrochemical Stability of a Pseudocapacitor Electrode. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
153	Synthesis of Magnetite-Based Polymers as Mercury and Anion Sensors Using Single Electron Transfer-Living Radical Polymerization. <i>ACS Omega</i> , 2020 , 5, 7201-7210	3.9	3
152	Pseudocapacitive performance of Mn ₃ O ₄ /SnO ₂ hybrid nanoparticles synthesized via ultrasonication approach. <i>Journal of Applied Electrochemistry</i> , 2020 , 50, 609-619	2.6	4
151	Sonochemical Synthesis of Copper-doped BiVO ₄ /g-CN Nanocomposite Materials for Photocatalytic Degradation of Bisphenol A under Simulated Sunlight Irradiation. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
150	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	6.7	12
149	Synthesis of 3D marigold flower-like rGO/BN/Ni(OH) ₂ ternary nanocomposites for supercapacitor applications. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3090-3101	5.8	8
148	Synthesis of a novel hybrid anode nanoarchitecture of Bi ₂ O ₃ /porous-RGO nanosheets for high-performance asymmetric supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 856, 113489	4.1	8
147	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	2.5	8
146	Preparation of ternary photocatalysts and their application in the degradation of 1,4-dioxane using O ₃ /UV/photocatalyst process. <i>Separation and Purification Technology</i> , 2020 , 235, 116194	8.3	12
145	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	8.3	11
144	Facile synthesis of SnO ₂ nanoparticle intercalated unzipped multi-walled carbon nanotubes via an ultrasound-assisted route for symmetric supercapacitor devices. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5120-5131	5.8	2
143	Microwave-Assisted Solvothermal Synthesis of Chalcogenide Composite Photocatalyst and Its Photocatalytic CO ₂ Reduction Activity under Simulated Solar Light. <i>Catalysts</i> , 2020 , 10, 789	4	2
142	Preparation and Photocatalytic Properties of Heterostructured Ceria/Polyaniline Nanoparticles. <i>Catalysts</i> , 2020 , 10, 732	4	0
141	Ultrasonic-Assisted Preparation Of Perovskite-Type Lanthanum Nickelate Nanostructures and Its Photocatalytic Properties. <i>ChemistrySelect</i> , 2020 , 5, 7947-7958	1.8	2
140	Ni ₃ S ₄ /CoS ₂ mixed-phase nanocomposite as counter electrode for Pt-free dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2020 , 478, 229068	8.9	16
139	Enhanced photocatalytic hydrogen and methane evolution using chalcogenide with metal ion modification via a microwave-assisted solvothermal method. <i>Catalysis Today</i> , 2020 , 355, 493-501	5.3	4

138	Surfactant-assisted synthesis of copper oxide nanorods for the enhanced photocatalytic degradation of Reactive Black 5 dye in wastewater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17438-17445	5.1	8
137	Pseudocapacitive properties of nickel oxide nanoparticles synthesized via ultrasonication approach. <i>Ionics</i> , 2020 , 26, 953-960	2.7	7
136	High Response CO Sensor Based on a Polyaniline/SnO ₂ Nanocomposite. <i>Polymers</i> , 2019 , 11,	4.5	28
135	Synthesis of MgTiO ₃ Nanoparticles for Photocatalytic Applications. <i>ChemistrySelect</i> , 2019 , 4, 788-796	1.8	11
134	Synthesis of ZnTiO ₃ @TiO ₂ Heterostructure Nanomaterial as a Visible light Photocatalyst. <i>ChemistrySelect</i> , 2019 , 4, 6106-6112	1.8	3
133	Facile synthesis of perovskite LaFeO ₃ ferroelectric nanostructures for heavy metal ion removal applications. <i>Materials Chemistry and Physics</i> , 2019 , 232, 200-204	4.4	13
132	Synthesis, characterization and adsorption properties of Cu ₂ V ₂ O ₇ nanoparticles. <i>Solid State Sciences</i> , 2019 , 92, 13-23	3.4	8
131	Low- and High-Index Faceted Pd Nanocrystals Embedded in Various Oxygen-Deficient WO ₃ Nanostructures for Electrocatalytic Oxidation of Alcohol (EOA) and Carbon Monoxide (CO). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10028-10041	9.5	19
130	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	6.7	10
129	Ultrasound promoted transition metal doped polyaniline nanofibers: Enhanced electrode material for electrochemical energy storage applications. <i>Ultrasonics Sonochemistry</i> , 2019 , 51, 469-477	8.9	13
128	Synthesis of Metal/Metal Oxide Supported Reduced Graphene Oxide (RGO) for the Applications of Electrocatalysis and Supercapacitors. <i>Carbon Nanostructures</i> , 2019 , 1-48	0.6	3
127	MoS ₂ coated CoS nanocomposites as counter electrodes in Pt-free dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25474-25483	3.6	17
126	Sonochemical reduction method for synthesis of TiO ₂ /Pd nanocomposites and investigation of anode and cathode catalyst for ethanol oxidation and oxygen reduction reaction in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30705-30718	6.7	7
125	Photocatalytic and photoelectrocatalytic performance of sonochemically synthesized CuO@TiO ₂ heterojunction nanocomposites. <i>Ultrasonics Sonochemistry</i> , 2019 , 51, 223-229	8.9	38
124	MoS ₂ nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019 , 294, 134-141	6.7	29
123	(In, Cu) Co-doped ZnS nanoparticles for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 110-117	6.7	26
122	Facile synthesis of copper oxide microflowers for nonenzymatic glucose sensor applications. <i>Materials Science in Semiconductor Processing</i> , 2018 , 82, 31-38	4.3	28
121	Synthesis of Dandelion-like CuO microspheres for photocatalytic degradation of reactive black-5. <i>Materials Research Express</i> , 2018 , 5, 015053	1.7	3

120	Photocatalytic properties of hierarchical CuO nanosheets synthesized by a solution phase method. <i>Journal of Environmental Sciences</i> , 2018 , 69, 115-124	6.4	28
119	Fabrication of hierarchical bismuth oxyhalides (BiOX, X = Cl, Br, I) materials and application of photocatalytic hydrogen production from water splitting. <i>Catalysis Today</i> , 2018 , 307, 197-204	5.3	76
118	Sonochemical fabrication of reduced graphene oxide supported Au nano dendrites for ethanol electrooxidation in alkaline medium. <i>Catalysis Today</i> , 2018 , 307, 308-317	5.3	17
117	Sonochemical synthesis of CoSnO nanocubes for supercapacitor applications. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 435-440	8.9	19
116	Low operating temperature CO sensor prepared using SnO ₂ nanoparticles. <i>Journal of Electroceramics</i> , 2018 , 41, 28-36	1.5	2
115	Synthesis of N-doped potassium tantalate perovskite material for environmental applications. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 647-655	3.3	28
114	Electrochemical Sensor Using Molecular Imprinting Polymerization Modified Electrodes to Detect Methyl Parathion in Environmental Media. <i>Electrocatalysis</i> , 2018 , 9, 1-9	2.7	20
113	Sonochemical synthesis of Ga-doped ZnS nanoballs with enhanced photocatalytic activity for Orange II dye degradation in wastewater. <i>International Journal of Nanotechnology</i> , 2018 , 15, 804	1.5	2
112	Photocatalytic Degradation of Congo Red Using PbTiO ₃ Nanorods Synthesized via a Sonochemical Approach. <i>ChemistrySelect</i> , 2018 , 3, 11851-11858	1.8	12
111	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	6.8	12
110	Advanced Nanomaterials for Water Splitting and Hydrogen Generation 2018 , 145-167		4
109	Facile ultrasound assisted synthesis of monodisperse spherical CuMn(OH) ₃ NO ₃ nanoparticles for energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 745-750	5.7	9
108	Magnetic and catalytic properties of inverse spinel CuFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 437-443	2.8	45
107	Crumpled Cu ₂ O-g-C ₃ N ₄ nanosheets for hydrogen evolution catalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 527, 34-41	5.1	35
106	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	8.9	42
105	Synthesis of Reduced Graphene Oxide Supported Flower-like Bismuth Subcarbonates Microsphere (Bi ₂ O ₂ CO ₃ -RGO) for Supercapacitor Application. <i>Electrochimica Acta</i> , 2017 , 244, 209-221	6.7	25
104	Recent developments in ZnS photocatalysts from synthesis to photocatalytic applications [A review]. <i>Powder Technology</i> , 2017 , 318, 8-22	5.2	208
103	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	2.7	15

102	Preparation of Dumbbell-like Er/ZnO Microrods with Efficient Energy Upconversion for the Catalytic Degradation of Tartaric Acid in Water. <i>Topics in Catalysis</i> , 2017 , 60, 1359-1369	2.3	5
101	Graphene Quantum Dots Anchored Gold Nanorods for Electrochemical Detection of Glutathione. <i>ChemistrySelect</i> , 2017 , 2, 4744-4752	1.8	8
100	High index surfaces of Au-nanocrystals supported on one-dimensional MoO ₃ -nanorod as a bi-functional electrocatalyst for ethanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , 2017 , 246, 75-88	6.7	32
99	Photocatalytic degradation of tartrazine dye using CuO straw-sheaf-like nanostructures. <i>Water Science and Technology</i> , 2017 , 75, 1421-1430	2.2	24
98	Sonochemical Synthesis of Mg-TiO ₂ nanoparticles for persistent Congo red dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 559-569	4.7	41
97	Amphiphilic Triblock Copolymer guided Polyaniline embraced CNT nanohybrid with outcropping whiskers as an energy storage electrode. <i>Electrochimica Acta</i> , 2017 , 246, 737-747	6.7	26
96	High-Performance Electrocatalytic Activity of Palladium-Copper Nanoalloy towards Methanol Electro-oxidation in an Alkaline Medium. <i>Electroanalysis</i> , 2017 , 29, 433-440	3	17
95	SnO ₂ -decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 205-12	8.9	28
94	Modified pyrene based organic sensitizers with thiophene-2-acetonitrile as spacer for dye sensitized solar cell applications. <i>Organic Electronics</i> , 2016 , 37, 326-335	3.5	10
93	Gold Triangular Nanoprisms and Nanodecahedra: Synthesis and Interaction Studies with Luminol toward Biosensor Applications. <i>Langmuir</i> , 2016 , 32, 11854-11860	4	9
92	Synthesis of cyanovinyl thiophene with different acceptor containing organic dyes towards high efficient dye sensitized solar cells. <i>Dyes and Pigments</i> , 2016 , 133, 222-231	4.6	15
91	Insights into the binding of photothermal therapeutic agent bismuth sulfide nanorods with human serum albumin. <i>RSC Advances</i> , 2016 , 6, 16215-16222	3.7	9
90	Synthesis of morphology-controlled bismutite for selective applications. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7768-79	3.6	20
89	Photocatalytic hydrogen evolution from water splitting using Cu doped ZnS microspheres under visible light irradiation. <i>Renewable Energy</i> , 2016 , 89, 18-26	8.1	100
88	Hybrid SnO ₂ /Co ₃ O ₄ nanocubes prepared via a CoSn(OH) ₆ intermediate through a sonochemical route for energy storage applications. <i>RSC Advances</i> , 2016 , 6, 33361-33368	3.7	27
87	Chemiluminescence studies between aqueous phase synthesized mercaptosuccinic acid capped cadmium telluride quantum dots and luminol-H ₂ O ₂ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 165, 138-144	4.4	3
86	Sensitive electrochemical determination of dopamine and uric acid using AuNPs(EDAS)/GO nanocomposites. <i>Analytical Methods</i> , 2016 , 8, 4379-4390	3.2	17
85	Sonochemical Synthesis of Zinc Sulfide Photocatalysts and Their Environmental Applications 2016 , 867-899		

84	Facile synthesis of self-assembled biporous NiO and its electrochemical properties. <i>Electronic Materials Letters</i> , 2016 , 12, 693-701	2.9	5
83	Ultrasound assisted synthesis of Mn ₃ O ₄ nanoparticles anchored graphene nanosheets for supercapacitor applications. <i>Electrochimica Acta</i> , 2015 , 156, 127-137	6.7	68
82	Nanosized tantalum based materials synthesis and applications. <i>Materials Research Bulletin</i> , 2015 , 67, 20-46	5.1	17
81	Effective Degradation of Fipronil Using Combined Catalytic Ozonation Processes. <i>Ozone: Science and Engineering</i> , 2015 , 37, 186-190	2.4	6
80	Electropolymerization of cobalto(5,10,15-tris(4-aminophenyl)-20-phenylporphyrin) for electrochemical detection of antioxidant-antipyrene. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 719-725	1.8	1
79	Sonochemical Synthesis of Mesoporous NiTiO ₃ Ilmenite Nanorods for the Catalytic Degradation of Tergitol in Water. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2983-2990	3.9	34
78	Surfactant Assisted Synthesis of Copper Oxide Nanoparticles for Photocatalytic Degradation of Methylene Blue in the Presence of Visible Light. <i>Energy and Environment Focus</i> , 2015 , 4, 250-255		28
77	Improved Design of UV- and Blue-Light-Inhibited White Light-Emitting Diode. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-6	1.8	1
76	Microwave-Assisted Synthesis of BiOBr Microspheres for Photocatalytic Degradation of Tartaric Acids in Aqueous Solution. <i>Topics in Catalysis</i> , 2015 , 58, 1100-1111	2.3	11
75	Environmental Applications of ZnO Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6900-6913	3.3	18
74	Synthesis, Characterization of BiGaOOH Self-Assembly and Its Application in Removal of Perfluorinated Compounds. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6524-32	1.3	4
73	Photocatalyst ZnO-doped Bi ₂ O ₃ powder prepared by spray pyrolysis. <i>Powder Technology</i> , 2015 , 272, 316-321	5.2	13
72	Catalytic activity evaluation of mesoporous BiGaOOH microspheres self-assembly. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 348-353	6.3	4
71	Synthesis of MoO ₃ nanoparticles for azo dye degradation by catalytic ozonation. <i>Materials Research Bulletin</i> , 2015 , 62, 184-191	5.1	84
70	Sonochemical Synthesis of Layered Copper Hydroxy Nitrate Nanosheets. <i>ChemPhysChem</i> , 2015 , 16, 3389-3391	3.21	15
69	Synthesis of Mn ₃ O ₄ nanoparticles via chemical precipitation approach for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2015 , 636, 234-240	5.7	98
68	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	8.5	41
67	Sonochemical Synthesis of Zinc Sulfide Photocatalysts and Their Environmental Applications 2015 , 1-33		

66	Sonochemically synthesized MnO ₂ nanoparticles as electrode material for supercapacitors. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1933-8	8.9	70
65	Catalytic ozonation of 2-ethoxy ethyl acetate using mesoporous nickel oxalates. <i>Catalysis Communications</i> , 2014 , 43, 88-92	3.2	14
64	Sonochemical synthesis and characterization of turbostratic MnNi(OH) ₂ layered double hydroxide nanoparticles for supercapacitor applications. <i>RSC Advances</i> , 2014 , 4, 55519-55523	3.7	28
63	Recent developments in heterogeneous catalyzed environmental remediation processes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 1898-910	1.3	53
62	Exploration of (S)-4,5,6,7-tetrahydrobenzo[d]thiazole-2,6-diamine as feasible corrosion inhibitor for mild steel in acidic media. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 463-470	6.8	14
61	Sonochemical synthesis of carbon supported Sn nanoparticles and its electrochemical application. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1954-7	8.9	5
60	Copper containing photocatalyst based on F-TiO ₂ for hydrogen production from water and water organic solution. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 291-297	1.5	4
59	Sonochemical Synthesis of Hollow Copper Doped Zinc Sulfide Nanostructures: Optical and Catalytic Properties for Visible Light Assisted Photosplitting of Water. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8766-8772	3.9	55
58	Ultrasound assisted synthesis of TiO ₂ -WO ₃ heterostructures for the catalytic degradation of Tergitol (NP-9) in water. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1284-8	8.9	15
57	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-21	2.1	83
56	Mechanical Properties Measurement of Polymer Films by Bulge Test and Fringe Projection. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-12	1.5	2
55	Hydrothermal Synthesis of Mesoporous Bi ₂ O ₃ /Co ₃ O ₄ Microsphere and Photocatalytic Degradation of Orange II Dyes by Visible Light. <i>Topics in Catalysis</i> , 2013 , 56, 623-629	2.3	22
54	Low temperature synthesis of single crystal ZnO microflower composed of hexagonal nanorods. <i>Materials Letters</i> , 2013 , 107, 64-67	3.3	2
53	By-product assisted hydrothermal synthesis of InOOH microflower composed of nanosheets. <i>Materials Letters</i> , 2013 , 98, 86-89	3.3	8
52	Catalytic degradation of a plasticizer, di-ethylhexyl phthalate, using NiTiO ₂ nanoparticles synthesized via co-precipitation. <i>Chemical Engineering Journal</i> , 2013 , 231, 182-189	14.7	18
51	Synthesis of mesoporous Bi ₂ O ₃ /CeO ₂ microsphere for photocatalytic degradation of Orange II dye. <i>Materials Research Bulletin</i> , 2013 , 48, 4174-4180	5.1	27
50	Hydrothermal synthesis of coral-like Au/ZnO catalyst and photocatalytic degradation of Orange II dye. <i>Materials Research Bulletin</i> , 2013 , 48, 2375-2382	5.1	45
49	Preparation of Bismuth Oxide Photocatalyst and Its Application in White-light LEDs. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-7	3.2	6

48	Photocatalytic degradation of ceftiofur sodium using Au loaded Bi ₂ CuO ₄ nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2013 , 379, 112-116		12
47	Solvothermal synthesis of mesoporous β -GaOOH semi-nanospheres. <i>Materials Letters</i> , 2013 , 111, 137-139	3,3	9
46	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. <i>Materials Research Bulletin</i> , 2013 , 48, 3357-3361	5.1	32
45	Mesoporous Microsphere of ZnS Photocatalysts Loaded with CuO or Mn ₃ O ₄ for the Visible-Light-Assisted Photocatalytic Degradation of Orange II Dye. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11904-11912	3.9	29
44	Fabrication and photocatalytic properties of self-assembled In(OH) ₃ and In ₂ O ₃ nano/micro-cubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1639-48	1.3	3
43	Synthesis and electrochemical properties of biporous alpha-Fe ₂ O ₃ superstructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 6635-43	1.3	1
42	Synthesis of Nitrogen-Doped ZnS with Camellia Brushfield Yellow Nanostructures for Enhanced Photocatalytic Activity under Visible Light Irradiation. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-7	2.1	2
41	Synthesis of ZnO and Au tethered ZnO pyramid-like microflower for photocatalytic degradation of orange II. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 190-196	3.1	33
40	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	0.8	11
39	Characteristics of polycyclic aromatic hydrocarbon emissions of particles of various sizes from smoldering incense. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 88, 271-6	2.7	10
38	Sonochemical synthesis of CuO nanostructures with different morphology. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 682-6	8.9	121
37	Facile Fabrication of Tunable Bi ₂ O ₃ Self-Assembly and Its Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12906-12915	3.8	113
36	Investigation on photocatalytic potential of Au@Ta ₂ O ₅ semiconductor nanoparticle by degrading Methyl Orange in aqueous solution by illuminating with visible light. <i>Catalysis Science and Technology</i> , 2012 , 2, 2502	5.5	50
35	Controlled Fabrication of β -GaOOH and β -Ga ₂ O ₃ Self-Assembly and Its Superior Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 44-53	3.8	79
34	The synthesis of nano-silver/polypropylene plastics for antibacterial application. <i>Current Applied Physics</i> , 2012 , 12, S89-S95	2.6	28
33	Preparation of Spray Pyrolyzed Bismuth Oxide and its Application in Inhibition of Ultraviolet from Light-Emitting Diode (LED). <i>Advanced Materials Research</i> , 2012 , 509, 147-149	0.5	1
32	Sonochemical synthesis of Bi ₂ CuO ₄ nanoparticles for catalytic degradation of nonylphenol ethoxylate. <i>Chemical Engineering Journal</i> , 2012 , 183, 46-52	14.7	34
31	Synthesis of Pt doped Bi ₂ O ₃ /RuO ₂ photocatalysts for hydrogen production from water splitting using visible light. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 5930-6	1.3	16

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27	Highly porous cellular copper as a catalyst for ozone oxidation of organic water pollutants. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 2046-2050	0.8	
26	Synthesis of CuO-ZnO nanophotocatalyst for visible light assisted degradation of a textile dye in aqueous solution. <i>Chemical Engineering Journal</i> , 2011 , 171, 136-140	14.7	209
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23	Microwave assisted rapid synthesis of Bi ₂ O ₃ short nanorods. <i>Materials Letters</i> , 2009 , 63, 2387-2389	3.3	25
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14	Granular FeOOH: A stable and efficient catalyst for the decomposition of dissolved ozone in water. <i>Catalysis Communications</i> , 2007 , 8, 668-672	3.2	26
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10	Mineralization of N-methyl-2-pyrrolidone by advanced oxidation processes. <i>Separation and Purification Technology</i> , 2007 , 55, 360-367	8.3	20
9	Oxidation of DMSO on goethite catalyst in the presence of H ₂ O ₂ at neutral pH. <i>Catalysis Communications</i> , 2006 , 7, 901-906	3.2	61
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