

Jerry J Wu

List of Publications by Year in descending order

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81900

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176
all docs

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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.	4.2	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.	12.7	246
3	Treatment of landfill leachate by ozone-based advanced oxidation processes. Chemosphere, 2004, 54, 997-1003.	8.2	204
4	Sonochemical synthesis of CuO nanostructures with different morphology. Ultrasonics Sonochemistry, 2012, 19, 682-686.	8.2	153
5	Synthesis of Mn ₃ O ₄ nanoparticles via chemical precipitation approach for supercapacitor application. Journal of Alloys and Compounds, 2015, 636, 234-240.	5.5	142
6	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi ₂ O ₃ and Au/Bi ₂ O ₃ Nanorods. Industrial & Engineering Chemistry Research, 2010, 49, 9729-9737.	3.7	130
7	Photocatalytic hydrogen evolution from water splitting using Cu doped ZnS microspheres under visible light irradiation. Renewable Energy, 2016, 89, 18-26.	8.9	127
8	Facile Fabrication of Tunable Bi ₂ O ₃ Self-Assembly and Its Visible Light Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 12906-12915.	3.1	120
9	Synthesis of MoO ₃ nanoparticles for azo dye degradation by catalytic ozonation. Materials Research Bulletin, 2015, 62, 184-191.	5.2	112
10	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. International Journal of Photoenergy, 2014, 2014, 1-21.	2.5	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.	4.4	105
12	Synthesis, characterization and catalytic activity of easily recyclable zinc oxide nanobundles. Applied Catalysis B: Environmental, 2008, 80, 32-41.	20.2	98
13	Controlled Fabrication of Bi-GaOOH and Bi-Ga ₂ O ₃ Self-Assembly and Its Superior Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 44-53.	3.1	95
14	Sonochemically synthesized MnO ₂ nanoparticles as electrode material for supercapacitors. Ultrasonics Sonochemistry, 2014, 21, 1933-1938.	8.2	88
15	Oxidation of DMSO on goethite catalyst in the presence of H ₂ O ₂ at neutral pH. Catalysis Communications, 2006, 7, 901-906.	3.3	80
16	Ultrasound assisted synthesis of Mn ₃ O ₄ nanoparticles anchored graphene nanosheets for supercapacitor applications. Electrochimica Acta, 2015, 156, 127-137.	5.2	78
17	Magnetic and catalytic properties of inverse spinel CuFe ₂ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 432, 437-443.	2.3	77
18	Degradation of DMSO by ozone-based advanced oxidation processes. Journal of Hazardous Materials, 2007, 149, 218-225.	12.4	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. Industrial & Engineering Chemistry Research, 2014, 53, 8766-8772.	3.7	65
20	Sonochemical synthesis of silver nanoparticles anchored reduced graphene oxide nanosheets for selective and sensitive detection of glutathione. Ultrasonics Sonochemistry, 2017, 39, 363-373.	8.2	60
21	Recent Developments in Heterogeneous Catalyzed Environmental Remediation Processes. Journal of Nanoscience and Nanotechnology, 2014, 14, 1898-1910.	0.9	59
22	Investigation on photocatalytic potential of Au@Ta2O5 semiconductor nanoparticle by degrading Methyl Orange in aqueous solution by illuminating with visible light. Catalysis Science and Technology, 2012, 2, 2502.	4.1	55
23	MoS2 nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. Electrochimica Acta, 2019, 294, 134-141.	5.2	54
24	Sonochemical Synthesis of Mg-TiO2 nanoparticles for persistent Congo red dye degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 559-569.	3.9	53
25	Photocatalytic and photoelectrocatalytic performance of sonochemically synthesized Cu2O@TiO2 heterojunction nanocomposites. Ultrasonics Sonochemistry, 2019, 51, 223-229.	8.2	53
26	Effect of temperature on the formation of macroporous ZnO bundles and its application in photocatalysis. Journal of Hazardous Materials, 2009, 172, 700-706.	12.4	52
27	Hydrothermal synthesis of coral-like Au/ZnO catalyst and photocatalytic degradation of Orange II dye. Materials Research Bulletin, 2013, 48, 2375-2382.	5.2	52
28	Synthesis of N-doped potassium tantalate perovskite material for environmental applications. Journal of Solid State Chemistry, 2018, 258, 647-655.	2.9	52
29	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.	7.8	49
30	High Response CO Sensor Based on a Polyaniline/SnO2 Nanocomposite. Polymers, 2019, 11, 184.	4.5	47
31	The Use of Ozone to reduce the Concentration of Malodorous Metabolites in Swine Manure Slurry. Biosystems Engineering, 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 H2O2 at Acidic Medium. Industrial & Engineering Chemistry Research, 2007, 46, 691-698.	3.7	46
33	Sonochemical Synthesis of Mesoporous NiTiO3 Ilmenite Nanorods for the Catalytic Degradation of Tergitol in Water. Industrial & Engineering Chemistry Research, 2015, 54, 2983-2990.	3.7	44
34	The oxidation study of 2-propanol using ozone-based advanced oxidation processes. Separation and Purification Technology, 2008, 62, 39-46.	7.9	42
35	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.	5.2	42
36	Synthesis of g-C3N4/BiVO4 heterojunction composites for photocatalytic degradation of nonylphenol ethoxylate. Separation and Purification Technology, 2020, 250, 117202.	7.9	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.	7.9	42
38	Hybrid SnO ₂ @Co ₃ O ₄ nanocubes prepared via a CoSn(OH) ₆ intermediate through a sonochemical route for energy storage applications. RSC Advances, 2016, 6, 33361-33368.	3.6	41
39	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.	4.7	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.	11.3	40
41	Facile synthesis of copper oxide microflowers for nonenzymatic glucose sensor applications. Materials Science in Semiconductor Processing, 2018, 82, 31-38.	4.0	40
42	Photocatalytic properties of hierarchical CuO nanosheets synthesized by a solution phase method. Journal of Environmental Sciences, 2018, 69, 115-124.	6.1	40
43	Sonochemical synthesis of Bi ₂ CuO ₄ nanoparticles for catalytic degradation of nonylphenol ethoxylate. Chemical Engineering Journal, 2012, 183, 46-52.	12.7	39
44	SnO ₂ -decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. Ultrasonics Sonochemistry, 2016, 29, 205-212.	8.2	39
45	MoS ₂ coated CoS ₂ nanocomposites as counter electrodes in Pt-free dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2019, 21, 25474-25483.	2.8	39
46	(In, Cu) Co-doped ZnS nanoparticles for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 110-117.	7.1	39
47	Ni ₃ S ₄ /CoS ₂ mixed-phase nanocomposite as counter electrode for Pt-free dye-sensitized solar cells. Journal of Power Sources, 2020, 478, 229068.	7.8	39
48	Synthesis of mesoporous Bi ₂ O ₃ /CeO ₂ microsphere for photocatalytic degradation of Orange II dye. Materials Research Bulletin, 2013, 48, 4174-4180.	5.2	38
49	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. Materials Research Bulletin, 2013, 48, 3357-3361.	5.2	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.	7.1	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.	3.5	36
53	Sonochemical synthesis of Co ₂ SnO ₄ nanocubes for supercapacitor applications. Ultrasonics Sonochemistry, 2018, 41, 435-440.	8.2	35
54	Hydrothermal Synthesis of Mesoporous Bi ₂ O ₃ /Co ₃ O ₄ Microsphere and Photocatalytic Degradation of Orange II Dyes by Visible Light. Topics in Catalysis, 2013, 56, 623-629.	2.8	34

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55	Mesoporous Microsphere of ZnS Photocatalysts Loaded with CuO or Mn ₃ O ₄ for the Visible-Light-Assisted Photocatalytic Degradation of Orange II Dye. Industrial & Engineering Chemistry Research, 2013, 52, 11904-11912.	3.7	33
56	Sonochemical synthesis and characterization of turbostratic MnNi(OH) ₂ layered double hydroxide nanoparticles for supercapacitor applications. RSC Advances, 2014, 4, 55519-55523.	3.6	33
57	Environmental Applications of ZnO Materials. Journal of Nanoscience and Nanotechnology, 2015, 15, 6900-6913.	0.9	33
58	Granular γ -FeOOH – A stable and efficient catalyst for the decomposition of dissolved ozone in water. Catalysis Communications, 2007, 8, 668-672.	3.3	32
59	Photocatalytic degradation of tartrazine dye using CuO straw-sheaf-like nanostructures. Water Science and Technology, 2017, 75, 1421-1430.	2.5	32
60	Facile synthesis of perovskite LaFeO ₃ ferroelectric nanostructures for heavy metal ion removal applications. Materials Chemistry and Physics, 2019, 232, 200-204.	4.0	32
61	The synthesis of nano-silver/polypropylene plastics for antibacterial application. Current Applied Physics, 2012, 12, S89-S95.	2.4	31
62	Synthesis of Reduced Graphene Oxide Supported Flower-like Bismuth Subcarbonates Microsphere (Bi ₂) ₃ Tj ETQq0 0.0 rgBT /Overlock 10	5.2	29
63	Amphiphilic Triblock Copolymer guided Polyaniline embraced CNT nanohybrid with outcropping whiskers as an energy storage electrode. Electrochimica Acta, 2017, 246, 737-747.	5.2	29
64	Sonochemical Synthesis of Layered Copper Hydroxy Nitrate Nanosheets. ChemPhysChem, 2015, 16, 3389-3391.	2.1	28
65	Synthesis of morphology-controlled bismutite for selective applications. Physical Chemistry Chemical Physics, 2016, 18, 7768-7779.	2.8	28
66	Photocatalytic Degradation of Congo Red Using PbTiO ₃ Nanorods Synthesized via a Sonochemical Approach. ChemistrySelect, 2018, 3, 11851-11858.	1.5	28
67	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.	2.5	27
68	Microwave assisted rapid synthesis of Bi ₂ O ₃ short nanorods. Materials Letters, 2009, 63, 2387-2389.	2.6	27
69	Electrochemical Sensor Using Molecular Imprinting Polymerization Modified Electrodes to Detect Methyl Parathion in Environmental Media. Electrocatalysis, 2018, 9, 1-9.	3.0	27
70	Catalytic degradation of a plasticizer, di-ethylhexyl phthalate, using Nx ⁺ TiO ₂ ^{-x} nanoparticles synthesized via co-precipitation. Chemical Engineering Journal, 2013, 231, 182-189.	12.7	26
71	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.	7.9	26
72	High ⁺ Performance Electrocatalytic Activity of Palladium ⁺ Copper Nanoalloy towards Methanol Electro ⁺ oxidation in an Alkaline Medium. Electroanalysis, 2017, 29, 433-440.	2.9	25

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73	Low- and High-Index Faceted Pd Nanocrystals Embedded in Various Oxygen-Deficient WO _x Nanostructures for Electrocatalytic Oxidation of Alcohol (EOA) and Carbon Monoxide (CO). ACS Applied Materials & Interfaces, 2019, 11, 10028-10041.	8.0	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.	6.7	23
76	Preparation of ternary photocatalysts and their application in the degradation of 1,4-dioxane using O ₃ /UV/photocatalyst process. Separation and Purification Technology, 2020, 235, 116194.	7.9	23
77	Enhanced performance for photocatalytic hydrogen evolution using MoS ₂ /graphene hybrids. International Journal of Hydrogen Energy, 2021, 46, 5938-5948.	7.1	23
78	Sonochemical Synthesis of Copper-doped BiVO ₄ /g-C ₃ N ₄ Nanocomposite Materials for Photocatalytic Degradation of Bisphenol A under Simulated Sunlight Irradiation. Nanomaterials, 2020, 10, 498.	4.1	22
79	Enhanced performance of charge storage supercapattery by dominant oxygen deficiency in crystal defects of 2-D MoO _{3-x} nanoplates. Applied Surface Science, 2021, 541, 148676.	6.1	22
80	Sensitive electrochemical determination of dopamine and uric acid using AuNPs_(EDAS)â€“rGO nanocomposites. Analytical Methods, 2016, 8, 4379-4390.	2.7	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.	5.3	21
82	Evaluation of water treatment sludge as a catalyst for aqueous ozone decomposition. Catalysis Communications, 2007, 8, 1609-1614.	3.3	20
83	Mineralization of N-methyl-2-pyrrolidone by advanced oxidation processes. Separation and Purification Technology, 2007, 55, 360-367.	7.9	20
84	Catalytic Ozonation of Oxalic Acid Using Carbon-Free Rice Husk Ash Catalysts. Industrial & Engineering Chemistry Research, 2008, 47, 2919-2925.	3.7	20
85	Catalytic Ozonation of Oxalic Acid Using SrTiO₃Catalyst. Ozone: Science and Engineering, 2011, 33, 74-79.	2.5	20
86	Sonochemical fabrication of reduced graphene oxide supported Au nano dendrites for ethanol electrooxidation in alkaline medium. Catalysis Today, 2018, 307, 308-317.	4.4	20
87	Synthesis of MgTiO₃ Nanoparticles for Photocatalytic Applications. ChemistrySelect, 2019, 4, 788-796.	1.5	20
88	Synthesis of a novel hybrid anode nanoarchitecture of Bi ₂ O ₃ /porous-RGO nanosheets for high-performance asymmetric supercapacitor. Journal of Electroanalytical Chemistry, 2020, 856, 113489.	3.8	20
89	Mass Transfer of Ozone in Semibatch Stirred Reactor. Journal of Environmental Engineering, ASCE, 2001, 127, 1089-1099.	1.4	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.	3.7	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.	3.2	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.	2.5	18
93	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, 5930-5936.	0.9	18
94	Nanosized tantala based materials “ synthesis and applications. <i>Materials Research Bulletin</i> , 2015, 67, 20-46.	5.2	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.	3.0	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.	6.7	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.	4.1	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.	6.1	18
99	Pseudocapacitive properties of nickel oxide nanoparticles synthesized via ultrasonication approach. <i>Ionics</i> , 2020, 26, 953-960.	2.4	17
100	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, 1284-1288.	8.2	16
101	Photocatalyst ZnO-doped Bi ₂ O ₃ powder prepared by spray pyrolysis. <i>Powder Technology</i> , 2015, 272, 316-321.	4.2	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.	4.7	15
103	Amorphous Titania-Coated Magnetite Spherical Nanoparticles: Sonochemical Synthesis and Catalytic Degradation of Nonylphenol Ethoxylate. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7874-7881.	3.7	15
104	Catalytic ozonation of 2-ethoxy ethyl acetate using mesoporous nickel oxalates. <i>Catalysis Communications</i> , 2014, 43, 88-92.	3.3	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.	2.8	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.	8.2	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.	1.5	14

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109	Synthesis of 3D marigold flower-like rGO/BN/Ni(OH) ₂ ternary nanocomposites for supercapacitor applications. Sustainable Energy and Fuels, 2020, 4, 3090-3101.	4.9	14
110	Characteristics of Polycyclic Aromatic Hydrocarbon Emissions of Particles of Various Sizes from Smoldering Incense. Bulletin of Environmental Contamination and Toxicology, 2012, 88, 271-276.	2.7	13
111	Photocatalytic degradation of ceftiofur sodium using Au loaded Bi ₂ CuO ₄ nanoparticles. Journal of Molecular Catalysis A, 2013, 379, 112-116.	4.8	13
112	Solvothermal synthesis of mesoporous γ -GaOOH semi-nanospheres. Materials Letters, 2013, 111, 137-139.	2.6	13
113	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.	5.5	13
114	Enhancing the photocatalytic hydrogen evolution of copper doped zinc sulfide nanoballs through surfactants modification. International Journal of Hydrogen Energy, 2019, 44, 30563-30573.	7.1	13
115	Synthesis of magnetite nanoparticles anchored cellulose and lignin-based carbon nanotube composites for rapid oil spill cleanup. Materials Today Communications, 2020, 22, 100746.	1.9	13
116	Pseudocapacitive performance of Mn ₃ O ₄ @SnO ₂ hybrid nanoparticles synthesized via ultrasonication approach. Journal of Applied Electrochemistry, 2020, 50, 609-619.	2.9	13
117	Preparation of Bismuth Oxide Photocatalyst and Its Application in White-light LEDs. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	12
118	Gold Triangular Nanoprisms and Nanodecahedra: Synthesis and Interaction Studies with Luminol toward Biosensor Applications. Langmuir, 2016, 32, 11854-11860.	3.5	12
119	Platinum-free dye-sensitized solar cells by flower-like mixed-phase Co _x S _y /Ni _x S _y /Mo _x S _y composites. New Journal of Chemistry, 2021, 45, 1967-1976.	2.8	12
120	Photocatalytic Hydrogen Evolution from Water Splitting Using Core-Shell Structured Cu/ZnS/COF Composites. Nanomaterials, 2021, 11, 3380.	4.1	12
121	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.	0.5	11
122	Effective Degradation of Fipronil Using Combined Catalytic Ozonation Processes. Ozone: Science and Engineering, 2015, 37, 186-190.	2.5	11
123	Modified pyrene based organic sensitizers with thiophene-2-acetonitrile as π -spacer for dye sensitized solar cell applications. Organic Electronics, 2016, 37, 326-335.	2.6	11
124	Graphene Quantum Dots Anchored Gold Nanorods for Electrochemical Detection of Glutathione. ChemistrySelect, 2017, 2, 4744-4752.	1.5	11
125	Graphene nanosheets supported high-defective Pd nanocrystals as an efficient electrocatalyst for hydrogen evolution reaction. Chemical Engineering Journal, 2021, 425, 131526.	12.7	11
126	Synthesis of Dandelion-like CuO microspheres for photocatalytic degradation of reactive black-5. Materials Research Express, 2018, 5, 015053.	1.6	10

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127	Synthesis, characterization and adsorption properties of Cu ₂ V ₂ O ₇ nanoparticles. Solid State Sciences, 2019, 92, 13-23.	3.2	10
128	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. International Journal of Hydrogen Energy, 2019, 44, 30705-30718.	7.1	10
129	Synthesis of MOF/MoS ₂ composite photocatalysts with enhanced photocatalytic performance for hydrogen evolution from water splitting. International Journal of Hydrogen Energy, 2022, 47, 40755-40767.	7.1	10
130	Insights into the binding of photothermal therapeutic agent bismuth sulfide nanorods with human serum albumin. RSC Advances, 2016, 6, 16215-16222.	3.6	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.	2.5	8
132	By-product assisted hydrothermal synthesis of InOOH microflower composed of nanosheets. Materials Letters, 2013, 98, 86-89.	2.6	8
133	Advanced Nanomaterials for Water Splitting and Hydrogen Generation. , 2018, , 145-167.		8
134	Synthesis of ZnTiO ₃ @TiO ₂ Heterostructure Nanomaterial as a Visible light Photocatalyst. ChemistrySelect, 2019, 4, 6106-6112.	1.5	8
135	Rice grain like Bi ₂ S ₃ nanorods and its photocatalytic performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 268, 115144.	3.5	8
136	Hierarchical N-Mo ₃ C ₂ /Mo ₂ C nanohybrids and their superior supercapacitor performance in an ionic liquid electrolyte. Journal of Energy Storage, 2021, 44, 103317.	8.1	8
137	LaCoFe _{1-x} O ₃ ($T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 T_0$) ultrasonic approach as photocatalysts. Ultrasonics Sonochemistry, 2021, 80, 105824.	8.2	8
138	Defect-enriched heterointerfaces Nâ€“MoO ₂ â€“Mo ₂ C supported Pd nanocomposite as a novel multifunctional electrocatalyst for oxygen reduction reaction and overall water splitting. Materials Today Chemistry, 2022, 24, 100799.	3.5	8
139	Kinetics and Modeling of IPA Oxidation Using Ozone-Based Advanced Oxidation Processes. Industrial & Engineering Chemistry Research, 2008, 47, 1820-1827.	3.7	6
140	Low operating temperature CO sensor prepared using SnO ₂ nanoparticles. Journal of Electroceramics, 2018, 41, 28-36.	2.0	6
141	Enhanced photocatalytic hydrogen and methane evolution using chalcogenide with metal ion modification via a microwave-assisted solvothermal method. Catalysis Today, 2020, 355, 493-501.	4.4	6
142	Microwave-Assisted Solvothermal Synthesis of Chalcogenide Composite Photocatalyst and Its Photocatalytic CO ₂ Reduction Activity under Simulated Solar Light. Catalysts, 2020, 10, 789.	3.5	6
143	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.	8.1	6
144	Oxidation of Propylene Glycol Methyl Ether Acetate Using Ozone-Based Advanced Oxidation Processes. Ozone: Science and Engineering, 2008, 30, 332-338.	2.5	5

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145	Sonochemical synthesis of carbon supported Sn nanoparticles and its electrochemical application. Ultrasonics Sonochemistry, 2014, 21, 1954-1957.	8.2	5
146	Facile synthesis of self-assembled biporous NiO and its electrochemical properties. Electronic Materials Letters, 2016, 12, 693-701.	2.2	5
147	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.	2.8	5
148	Hydrothermal Synthesis of $\text{Co}_3\text{O}_4/\text{ZnCo}_2\text{O}_4$ Core-Shell Nanostructures for High-Performance Supercapacitors. Journal of the Electrochemical Society, 2021, 168, 123502.	2.9	5
149	Defective engineering of heterostructured N-Mo ₂ C@MoO _{3-x} electrode materials for the dual function of electrochemical sensing and supercapacitor applications. Electrochimica Acta, 2022, 408, 139964.	5.2	5
150	Mechanical Properties Measurement of Polymer Films by Bulge Test and Fringe Projection. Advances in Materials Science and Engineering, 2014, 2014, 1-12.	1.8	4
151	Copper containing photocatalyst based on F-TiO ₂ for hydrogen production from water and water organic solution. Russian Journal of Inorganic Chemistry, 2014, 59, 291-297.	1.3	4
152	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.	0.8	4
153	Synthesis, Characterization of In^{\pm} -GaOOH Self-Assembly and Its Application in Removal of Perfluorinated Compounds. Journal of Nanoscience and Nanotechnology, 2015, 15, 6524-6532.	0.9	4
154	Catalytic activity evaluation of mesoporous In^{\pm} -GaOOH microspheres self-assembly. Journal of Industrial and Engineering Chemistry, 2015, 26, 348-353.	5.8	4
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