

Tewodros Asefa

List of Publications by Year in descending order

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205
papers

27,931
citations

16791

66
h-index

6177

164
g-index

222
all docs

222
docs citations

222
times ranked

35337
citing authors

#	ARTICLE	IF	CITATIONS
1	N-doped spherical activated carbon from dye adsorption: Bifunctional electrocatalyst for hydrazine oxidation and oxygen reduction. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107458.	3.3	4
2	Metal-Functionalized Hydrogels as Efficient Oxygen Evolution Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20919-20929.	4.0	7
3	Robust Adsorption and Persulfate-Based Degradation of Doxycycline by Oxygen Vacancy-Rich Copper-Iron Oxides Prepared through a Mechanochemical Route. <i>ACS ES&T Water</i> , 2022, 2, 1031-1045.	2.3	6
4	Hierarchically Ordered Nanoporous Carbon with Exclusively Surface-Anchored Cobalt as Efficient Electrocatalyst. <i>Small Methods</i> , 2022, 6, .	4.6	5
5	(Fe,Co)/N-Doped Multi-Walled Carbon Nanotubes as Efficient Bifunctional Electrocatalysts for Rechargeable Zinc-Air Batteries. <i>ChemCatChem</i> , 2021, 13, 1023-1033.	1.8	22
6	Facile synthesis of an effective g-C ₃ N ₄ -based catalyst for advanced oxidation processes and degradation of organic compounds. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14841-14850.	5.2	26
7	Nanoporous carbons derived from metal-conjugated phosphoprotein/silica: Efficient electrocatalysts for oxygen reduction and hydrazine oxidation reactions. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114997.	1.9	6
8	Single Co-Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction. <i>Small</i> , 2021, 17, e2006477.	5.2	40
9	Nanostructured Carbon Electrocatalysts for Energy Conversions. <i>Small</i> , 2021, 17, e2007136.	5.2	13
10	Highly Dispersed Mo ₂ C Nanodots in Carbon Nanocages Derived from Mo-Based Xerogel: Efficient Electrocatalysts for Hydrogen Evolution. <i>Small Methods</i> , 2021, 5, e2100334.	4.6	26
11	Antimicrobial properties of novel ionic liquids derived from imidazolium cation with phenolic functional groups. <i>Bioorganic Chemistry</i> , 2021, 115, 105289.	2.0	10
12	Sulfur-bridged iron-polyphtalocyanine on Cu _x O/copper foam: efficient and durable electrocatalyst for overall water splitting. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5985-5993.	2.5	3
13	Electrocatalytic Degradation of Tetracycline by Cu/PANI/SBA-15 on Nickel Foam via Peroxymonosulfate-Based Advanced Oxidation Process. <i>ChemElectroChem</i> , 2021, 8, 4296-4304.	1.7	6
14	Cetylpyridinium Trichlorostannate: Synthesis, Antimicrobial Properties, and Controlled-Release Properties via Electrical Resistance Tomography. <i>ACS Omega</i> , 2021, 6, 35433-35441.	1.6	5
15	Hollow Hemispherical Carbon Microspheres with Mo ₂ C Nanoparticles Synthesized by Precursor Design: Effective Noble Metal-Free Catalysts for Dehydrogenation. <i>Small Methods</i> , 2020, 4, 1900597.	4.6	18
16	Nickel foam-supported Fe,Ni-Polyporphyrin microparticles: Efficient bifunctional catalysts for overall water splitting in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28860-28869.	3.8	16
17	Active Site Engineering in Porous Electrocatalysts. <i>Advanced Materials</i> , 2020, 32, e2002435.	11.1	304
18	Nitrogen and Phosphorus Co-doped Nanoporous Carbons from Phosphoprotein/Silica Self-Assemblies for Energy Storage in Supercapacitors. <i>ChemElectroChem</i> , 2020, 7, 4773-4781.	1.7	6

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19	Co ₈ /FeS ₈ /N,S-Doped Carbons Derived from Fe-Co/S-Bridged Polyphthalocyanine: Efficient Dual-Function Air-Electrode Catalysts for Rechargeable Zn-Air Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 13147-13158.	3.2	35
20	A Facile Route to Efficient Water Oxidation Electrodes via Electrochemical Activation of Iron in Nickel Sulfate Solution. ACS Sustainable Chemistry and Engineering, 2020, 8, 15550-15559.	3.2	5
21	Mn/Cu nanoclusters-grafted N-doped carbon nanotubes: Robust oxygen electrode catalysts for Zn-air batteries. International Journal of Hydrogen Energy, 2020, 45, 27230-27243.	3.8	12
22	Nonprecious Bimetallic Sites Coordinated on N-Doped Carbons with Efficient and Durable Catalytic Activity for Oxygen Reduction. Small, 2020, 16, e2000742.	5.2	50
23	Synthesis, Characterization, and Antimicrobial Investigation of a Novel Chlorhexidine Cyclamate Complex. Crystal Growth and Design, 2020, 20, 4991-4999.	1.4	6
24	Ordered Nanoporous Nitrogen- and Oxygen-Codoped Carbon Nanospheres as Electrocatalysts for Oxygen-Reduction Reaction in Direct Methanol Fuel Cells. ACS Applied Nano Materials, 2020, 3, 5139-5148.	2.4	10
25	Optimization of Active Sites via Crystal Phase, Composition, and Morphology for Efficient Low-Iridium Oxygen Evolution Catalysts. Angewandte Chemie - International Edition, 2020, 59, 19654-19658.	7.2	79
26	Ternary ZIF-8-derived dual-metal CoCu nanoparticles in porous carbon polyhedra as efficient catalysts for methanol oxidation. Journal of Materials Chemistry A, 2020, 8, 12285-12290.	5.2	16
27	Optimization of Active Sites via Crystal Phase, Composition, and Morphology for Efficient Low-Iridium Oxygen Evolution Catalysts. Angewandte Chemie, 2020, 132, 19822-19826.	1.6	11
28	A CO ₂ /H ₂ fuel cell: reducing CO ₂ while generating electricity. Journal of Materials Chemistry A, 2020, 8, 8329-8336.	5.2	16
29	Sugarcane vinasse-derived nanoporous N-S-doped carbon material decorated with Co: A new and efficient multifunctional electrocatalyst. International Journal of Hydrogen Energy, 2020, 45, 9669-9682.	3.8	20
30	Nanofibrous silica microparticles/polymer hybrid aerogels for sustained delivery of poorly water-soluble camptothecin. Journal of Colloid and Interface Science, 2020, 567, 92-102.	5.0	22
31	Synthesis, Characterization, and Investigation of the Antimicrobial Activity of Cetylpyridinium Tetrachlorozincate. ACS Omega, 2020, 5, 10359-10365.	1.6	11
32	A Blinking Mesoporous TiO ₂ Composed of Nanosized Anatase with Unusually Long-Lived Trapped Charge Carriers. Angewandte Chemie - International Edition, 2020, 59, 15000-15007.	7.2	31
33	A Blinking Mesoporous TiO ₂ Composed of Nanosized Anatase with Unusually Long-Lived Trapped Charge Carriers. Angewandte Chemie, 2020, 132, 15110-15117.	1.6	4
34	Fe ₃ C nanoparticles-loaded 3D nanoporous N-doped carbon: A highly efficient electrocatalyst for oxygen reduction in alkaline media. International Journal of Hydrogen Energy, 2019, 44, 21506-21517.	3.8	16
35	Unconventional molybdenum carbide phases with high electrocatalytic activity for hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 18030-18038.	5.2	64
36	CO ₂ -Mediated H ₂ Storage Release with Nanostructured Catalysts: Recent Progresses, Challenges, and Perspectives. Advanced Energy Materials, 2019, 9, 1901158.	10.2	47

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37	Hollow Spherical (Co, Zn)/N, S-Doped Carbons: Efficient Catalysts for Oxygen Reduction in Both Alkaline and Acidic Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18912-18925.	3.2	32
38	Contamination Mitigation Strategy for Ultra-Low Energy Electron Microscopy and Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 500-501.	0.2	1
39	Highly sensitive and selective gas-phase ethanolamine sensor by doping sulfur into nanostructured ZnO. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126633.	4.0	28
40	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 2313-2323.	2.5	29
41	Harvesting waste heat energy by promoting H ⁺ -ion concentration difference with a fuel cell structure. <i>Nano Energy</i> , 2019, 57, 101-107.	8.2	18
42	Heteroatom-Doped Carbon Materials for Hydrazine Oxidation. <i>Advanced Materials</i> , 2019, 31, e1804394.	11.1	80
43	Deriving Efficient Porous Heteroatom-Doped Carbon Electrocatalysts for Hydrazine Oxidation from Transition Metal Ions-Coordinated Casein. <i>Advanced Functional Materials</i> , 2019, 29, 1808486.	7.8	31
44	Ultra-absorbent hybrid hydrogel based on alginate and SiO ₂ microspheres: A high-water-content system for removal of methylene blue. <i>Journal of Molecular Liquids</i> , 2019, 276, 204-213.	2.3	44
45	Template-free synthesis of highly selective amorphous aluminosilicate catalyst for toluene alkylation. <i>Applied Catalysis A: General</i> , 2018, 556, 155-159.	2.2	3
46	Mesoporous activated carbon fibers synthesized from denim fabric waste: Efficient adsorbents for removal of textile dye from aqueous solutions. <i>Journal of Cleaner Production</i> , 2018, 171, 482-490.	4.6	139
47	Bone char-derived metal-free N- and S-co-doped nanoporous carbon and its efficient electrocatalytic activity for hydrazine oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 30-39.	10.8	115
48	Multifunctional hybrid aerogels: hyperbranched polymer-trapped mesoporous silica nanoparticles for sustained and prolonged drug release. <i>Nanoscale</i> , 2018, 10, 1704-1715.	2.8	48
49	Mesoporous TiO ₂ Comprising Small, Highly Crystalline Nanoparticles for Efficient CO ₂ Reduction by H ₂ O. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 531-540.	3.2	52
50	Facile synthesis of efficient and selective Ti-containing mesoporous silica catalysts for toluene oxidation. <i>Molecular Catalysis</i> , 2018, 444, 34-41.	1.0	19
51	One-Pot Hydrothermal Synthesis of Benzalkonium-Templated Mesostructured Silica Antibacterial Agents. <i>Journal of the American Chemical Society</i> , 2018, 140, 13534-13537.	6.6	41
52	Efficient Catalysts for Cyclohexane Dehydrogenation Synthesized by Mo-Promoted Growth of 3D Block Carbon Coupled with Mo ₂ C. <i>ACS Omega</i> , 2018, 3, 10773-10780.	1.6	14
53	Ta-Doped porous TiO ₂ nanorod arrays by substrate-assisted synthesis: efficient photoelectrocatalysts for water oxidation. <i>Nanoscale</i> , 2018, 10, 19367-19374.	2.8	15
54	Copper nanoparticles/polyaniline-derived mesoporous carbon electrocatalysts for hydrazine oxidation. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 329-338.	2.3	17

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55	Metal-organic framework-derived Fe ₃ C@NC nanohybrids as highly-efficient oxygen reduction electrocatalysts in both acidic and basic media. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 755-764.	1.9	18
56	Mesoporous Graphitic Carbon Nitrides Decorated with Cu Nanoparticles: Efficient Photocatalysts for Degradation of Tartrazine Yellow Dye. <i>Nanomaterials</i> , 2018, 8, 636.	1.9	16
57	A Facile Synthesis of Nitrogen-Doped Highly Porous Carbon Nanoplatelets: Efficient Catalysts for Oxygen Electroreduction. <i>Scientific Reports</i> , 2017, 7, 43366.	1.6	31
58	Heteroatom-Doped Carbon Materials for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 10703-10713.	1.7	64
59	Formic acid dehydrogenation over Pd NPs supported on amine-functionalized SBA-15 catalysts: structure-activity relationships. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16150-16161.	5.2	68
60	The role of ceramic and glass science research in meeting societal challenges: Report from an NSF-sponsored workshop. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1777-1803.	1.9	23
61	From ionic liquid-modified cellulose nanowhiskers to highly active metal-free nanostructured carbon catalysts for the hydrazine oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1066-1077.	5.2	40
62	Hollow Mesoporous Carbon Microparticles and Micromotors with Single Holes Templated by Colloidal Silica-Assisted Gas Bubbles. <i>Small</i> , 2017, 13, 1700256.	5.2	13
63	Copper-Decorated Microsized Nanoporous Titanium Dioxide Photocatalysts for Carbon Dioxide Reduction by Water. <i>ChemCatChem</i> , 2017, 9, 3054-3062.	1.8	44
64	Efficient electrocatalysis of overall water splitting by ultrasmall Ni ₃ Co ₃ S ₄ coupled Ni ₃ S ₂ nanosheet arrays. <i>Nano Energy</i> , 2017, 35, 161-170.	8.2	339
65	Ni, O, and Tridoped Carbon-Encapsulated Co ₉ S ₈ Nanomaterials: Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2017, 27, 1606585.	7.8	365
66	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 820-828.	10.8	80
67	Amine/Hydrogen Bifunctional Nanoporous Silica with Small Metal Nanoparticles Made Onsite: Efficient Dehydrogenation Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36-41.	4.0	13
68	Sol-gel synthesis of new TiO ₂ /activated carbon photocatalyst and its application for degradation of tetracycline. <i>Ceramics International</i> , 2017, 43, 4411-4418.	2.3	135
69	Hierarchically Porous Co ₃ C/Co-N-C/G Modified Graphitic Carbon: A Trifunctional Corrosion-Resistant Electrode for Oxygen Reduction, Hydrogen Evolution and Oxygen Evolution Reactions. <i>Electrochimica Acta</i> , 2017, 257, 40-48.	2.6	58
70	Frontispiece: Heteroatom-Doped Carbon Materials for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
71	Highly Active, Nonprecious Electrocatalyst Comprising Borophene Subunits for the Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 12370-12373.	6.6	335
72	Hybrid Materials and Nanocomposites as Multifunctional Biomaterials. <i>Current Pharmaceutical Design</i> , 2017, 23, 3794-3813.	0.9	32

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73	Overall Water Splitting Catalyzed Efficiently by an Ultrathin Nanosheetâ€Built, Hollow Ni ₃ S ₂ -Based Electrocatalyst. <i>Advanced Functional Materials</i> , 2016, 26, 4839-4847.	7.8	438
74	Monodisperse Mesoporous Carbon Nanoparticles from Polymer/Silica Self-Aggregates and Their Electrocatalytic Activities. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18891-18903.	4.0	36
75	Hierarchically Self-Assembled Star-Shaped ZnO Microparticles for Electrochemical Sensing of Amines. <i>Chemistry - A European Journal</i> , 2016, 22, 8068-8073.	1.7	9
76	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie</i> , 2016, 128, 11694-11699.	1.6	2
77	Unique Electronic Structure in a Porous Ga-In Bimetallic Oxide Nano-Photocatalyst with Atomically Thin Pore Walls. <i>Angewandte Chemie</i> , 2016, 128, 11614-11618.	1.6	5
78	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	23.0	2,051
79	Synthesis and application of Nâ€S-doped mesoporous carbon obtained from nanocasting method using bone char as heteroatom precursor and template. <i>Chemical Engineering Journal</i> , 2016, 300, 54-63.	6.6	58
80	Covalently-layers of PVA and PAA and in situ formed Ag nanoparticles as versatile antimicrobial surfaces. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 329-337.	3.6	18
81	Metal-Free and Noble Metal-Free Heteroatom-Doped Nanostructured Carbons as Prospective Sustainable Electrocatalysts. <i>Accounts of Chemical Research</i> , 2016, 49, 1873-1883.	7.6	191
82	Unique Electronic Structure in a Porous Ga-In Bimetallic Oxide Nano-Photocatalyst with Atomically Thin Pore Walls. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11442-11446.	7.2	40
83	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11522-11527.	7.2	14
84	Electrocatalysis: Overall Water Splitting Catalyzed Efficiently by an Ultrathin Nanosheetâ€Built, Hollow Ni ₃ S ₂ -Based Electrocatalyst (<i>Adv. Funct. Mater.</i> 27/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4999-4999.	7.8	10
85	N- and O-doped mesoporous carbons derived from rice grains: efficient metal-free electrocatalysts for hydrazine oxidation. <i>Chemical Communications</i> , 2016, 52, 13588-13591.	2.2	45
86	The role of electronic coupling between substrate and 2D MoS ₂ nanosheets in electrocatalytic production of hydrogen. <i>Nature Materials</i> , 2016, 15, 1003-1009.	13.3	687
87	Magnetic Activated Carbon Derived from Biomass Waste by Concurrent Synthesis: Efficient Adsorbent for Toxic Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1058-1068.	3.2	234
88	Improving the dissolution of fenofibrate with yeast cell-derived hollow core/shell carbon microparticles. <i>RSC Advances</i> , 2016, 6, 30226-30233.	1.7	2
89	Synthesis and Gas-sensing Performance of Column-shaped Zinc Oxide Doped with-graphene. <i>Materials Today: Proceedings</i> , 2016, 3, 345-349.	0.9	8
90	Controlling cell growth with tailorable 2D nanoholes arrays. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 150-161.	5.0	10

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91	Fibrous porous carbon electrocatalysts for hydrazine oxidation by using cellulose filter paper as precursor and self-template. <i>Carbon</i> , 2016, 102, 97-105.	5.4	28
92	Microâ€mesoporous iron oxides with record efficiency for the decomposition of hydrogen peroxide: morphology driven catalysis for the degradation of organic contaminants. <i>Journal of Materials Chemistry A</i> , 2016, 4, 596-604.	5.2	42
93	Metal doped carbon nanoneedles and effect of carbon organization with activity for hydrogen evolution reaction (HER). <i>Carbohydrate Polymers</i> , 2016, 137, 719-725.	5.1	17
94	Bicinchoninic acid-based colorimetric chemosensor for detection of low concentrations of cyanide. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 112-119.	4.0	12
95	Frontispiece: Coupling Mo₂C with Nitrogenâ€Rich Nanocarbon Leads to Efficient Hydrogenâ€Evolution Electrocatalytic Sites. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	7.2	4
96	Coupling Mo₂C with Nitrogenâ€Rich Nanocarbon Leads to Efficient Hydrogenâ€Evolution Electrocatalytic Sites. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10752-10757.	7.2	674
97	Yeast Cells-Derived Hollow Core/Shell Heteroatom-Doped Carbon Microparticles for Sustainable Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1978-1986.	4.0	49
98	Copper nanoparticles stabilized by reduced graphene oxide for CO2 reduction reaction. <i>Materials for Renewable and Sustainable Energy</i> , 2015, 4, 1.	1.5	68
99	Glutathione-triggered release of model drug molecules from mesoporous silica nanoparticles via a non-redox process. <i>RSC Advances</i> , 2015, 5, 28836-28839.	1.7	11
100	A trifunctional mesoporous silica-based, highly active catalyst for one-pot, three-step cascade reactions. <i>Chemical Communications</i> , 2015, 51, 8496-8499.	2.2	54
101	Coreâ€shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. <i>Chemical Society Reviews</i> , 2015, 44, 7540-7590.	18.7	906
102	Nanostructured polymers with high surface area using inorganic templates for the efficient extraction of anionic dyes from solutions. <i>Chemical Communications</i> , 2015, 51, 16135-16138.	2.2	13
103	High-Index Faceted Ni₃S₂ Nanosheet Arrays as Highly Active and Ultrastable Electrocatalysts for Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 14023-14026.	6.6	1,622
104	Cu-doped carbon nitride: Bio-inspired synthesis of H2-evolving electrocatalysts using graphitic carbon nitride (g-C3N4) as a host material. <i>Applied Surface Science</i> , 2015, 357, 221-228.	3.1	97
105	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. <i>Nature Chemistry</i> , 2015, 7, 45-49.	6.6	637
106	Removal of tetracycline by NaOH-activated carbon produced from macadamia nut shells: Kinetic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2015, 260, 291-299.	6.6	570
107	Functionalized Mesoporous Silica Nanoparticles for Glucoseâ€and pHâ€stimulated Release of Insulin. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 616-623.	0.6	18
108	Low Energy TEM Characterizations of Ordered Mesoporous Silica-Based Nanocomposite Materials for Catalytic Applications. <i>Microscopy and Microanalysis</i> , 2014, 20, 1900-1901.	0.2	1

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109	Ultrasmall palladium nanoparticles supported on amine-functionalized SBA-15 efficiently catalyze hydrogen evolution from formic acid. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20444-20449.	5.2	101
110	Cobalt-Embedded Nitrogen-Rich Carbon Nanotubes Efficiently Catalyze Hydrogen Evolution Reaction at All pH Values. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4372-4376.	7.2	857
111	Synthesis of ZnCl ₂ -activated carbon from macadamia nut endocarp (<i>Macadamia integrifolia</i>) by microwave-assisted pyrolysis: Optimization using RSM and methylene blue adsorption. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 105, 166-176.	2.6	123
112	Nanostructured TiO ₂ Catalyzed Oxidations of Caffeine and Isocaffeine and Their Cytotoxicity and Genotoxicity Towards Ovarian Cancer Cells. <i>BioNanoScience</i> , 2014, 4, 27-36.	1.5	9
113	Reductive Deprotection of Monolayer Protected Nanoclusters: An Efficient Route to Supported Ultrasmall Au Nanocatalysts for Selective Oxidation. <i>Small</i> , 2014, 10, 1473-1478.	5.2	61
114	One-pot cation exchange synthesis of 1D porous CdS/ZnO heterostructures for visible-light-driven H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4682.	5.2	71
115	N-doped ordered mesoporous carbons with improved charge storage capacity by tailoring N-dopant density with solvent-assisted synthesis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15181-15190.	5.2	50
116	Polypyrrole-Derived Nitrogen and Oxygen Co-Doped Mesoporous Carbons as Efficient Metal-Free Electrocatalyst for Hydrazine Oxidation. <i>Advanced Materials</i> , 2014, 26, 6510-6516.	11.1	114
117	Dendritic Silica Nanomaterials (KCC-1) with Fibrous Pore Structure Possess High DNA Adsorption Capacity and Effectively Deliver Genes In Vitro. <i>Langmuir</i> , 2014, 30, 10886-10898.	1.6	88
118	N-, O-, and S-Tridoped Nanoporous Carbons as Selective Catalysts for Oxygen Reduction and Alcohol Oxidation Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 13554-13557.	6.6	317
119	Metal-free B-doped graphene with efficient electrocatalytic activity for hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2014, 4, 2023-2030.	2.1	268
120	Photocatalytic performance of Sn-doped TiO ₂ /reduced graphene oxide composite materials. <i>Applied Catalysis A: General</i> , 2014, 473, 21-30.	2.2	34
121	Hierarchical macrochanneled layered titanates with "house-of-cards"-type titanate nanosheets and their superior photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7690.	5.2	16
122	New polyoxomolybdate compounds synthesized in situ using ionic liquid 1-butyl-3-methyl-imidazolium tetrafluoroborate as green solvent. <i>New Journal of Chemistry</i> , 2013, 37, 2894.	1.4	17
123	Conducting MoS ₂ Nanosheets as Catalysts for Hydrogen Evolution Reaction. <i>Nano Letters</i> , 2013, 13, 6222-6227.	4.5	1,948
124	Efficient Noble Metal-Free (Electro)Catalysis of Water and Alcohol Oxidations by Zinc-Cobalt Layered Double Hydroxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 17242-17245.	6.6	381
125	Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co ₃ O ₄ nanomaterials derived from metal-embedded graphitic C ₃ N ₄ . <i>Chemical Communications</i> , 2013, 49, 7522.	2.2	220
126	A self-cleaning porous TiO ₂ -Ag core-shell nanocomposite material for surface-enhanced Raman scattering. <i>Chemical Communications</i> , 2013, 49, 382-384.	2.2	84

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127	Efficient Tertiary Amine/Weak Acid Bifunctional Mesoporous Silica Catalysts for Michael Addition Reactions. <i>ChemCatChem</i> , 2013, 5, 910-919.	1.8	11
128	Thermal regeneration study of high surface area activated carbon obtained from coconut shell: Characterization and application of response surface methodology. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 101, 53-60.	2.6	81
129	Nanocrafting Iron–Cobalt for Fischer–Tropsch Catalysis. <i>ChemCatChem</i> , 2013, 5, 1698-1700.	1.8	4
130	Enhanced catalytic activity in strained chemically exfoliated WS ₂ nanosheets for hydrogen evolution. <i>Nature Materials</i> , 2013, 12, 850-855.	13.3	2,326
131	Efficient Metal-Free Electrocatalysts for Oxygen Reduction: Polyaniline-Derived N- and O-Doped Mesoporous Carbons. <i>Journal of the American Chemical Society</i> , 2013, 135, 7823-7826.	6.6	661
132	Biocompatibility of Calcined Mesoporous Silica Particles with Ventricular Myocyte Structure and Function. <i>Chemical Research in Toxicology</i> , 2013, 26, 26-36.	1.7	8
133	Lung toxicities of core–shell nanoparticles composed of carbon, cobalt, and silica. <i>International Journal of Nanomedicine</i> , 2013, 8, 1223.	3.3	4
134	Semiconductor and Plasmonic Photocatalysis for Selective Organic Transformations. <i>Current Organic Chemistry</i> , 2013, 17, 1274-1287.	0.9	11
135	Biocompatibility of Mesoporous Silica Nanoparticles. <i>Chemical Research in Toxicology</i> , 2012, 25, 2265-2284.	1.7	341
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