

# Tewodros Asefa

## List of Publications by Year in descending order

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205  
papers

27,931  
citations

14655

66  
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5394

164  
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222  
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222  
docs citations

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times ranked

30841  
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.	6.7	4
2	Metal-Functionalized Hydrogels as Efficient Oxygen Evolution Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 20919-20929.	8.0	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&amp;T Water</i> , 2022, 2, 1031-1045.	4.6	6
4	Hierarchically Ordered Nanoporous Carbon with Exclusively Surface-Anchored Cobalt as Efficient Electrocatalyst. <i>Small Methods</i> , 2022, 6, .	8.6	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.	3.7	22
6	Facile synthesis of an effective g-C <sub>3</sub> N <sub>4</sub> -based catalyst for advanced oxidation processes and degradation of organic compounds. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14841-14850.	10.3	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.	3.8	6
8	Single Co-Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction. <i>Small</i> , 2021, 17, e2006477.	10.0	40
9	Nanostructured Carbon Electrocatalysts for Energy Conversions. <i>Small</i> , 2021, 17, e2007136.	10.0	13
10	Highly Dispersed Mo <sub>2</sub> C Nanodots in Carbon Nanocages Derived from Mo-Based Xerogel: Efficient Electrocatalysts for Hydrogen Evolution. <i>Small Methods</i> , 2021, 5, e2100334.	8.6	26
11	Antimicrobial properties of novel ionic liquids derived from imidazolium cation with phenolic functional groups. <i>Bioorganic Chemistry</i> , 2021, 115, 105289.	4.1	10
12	Sulfur-bridged iron-polyphthalocyanine on Cu <sub>x</sub> O/copper foam: efficient and durable electrocatalyst for overall water splitting. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5985-5993.	4.9	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.	3.4	6
14	Cetylpyridinium Trichlorostannate: Synthesis, Antimicrobial Properties, and Controlled-Release Properties via Electrical Resistance Tomography. <i>ACS Omega</i> , 2021, 6, 35433-35441.	3.5	5
15	Hollow Hemispherical Carbon Microspheres with Mo <sub>2</sub> C Nanoparticles Synthesized by Precursor Design: Effective Noble Metal-Free Catalysts for Dehydrogenation. <i>Small Methods</i> , 2020, 4, 1900597.	8.6	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.	7.1	16
17	Active Site Engineering in Porous Electrocatalysts. <i>Advanced Materials</i> , 2020, 32, e2002435.	21.0	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.	3.4	6

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19	Co <sub>8</sub> /FeS <sub>8</sub> /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.	6.7	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.	6.7	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.	7.1	12
22	Nonprecious Bimetallic Sites Coordinated on N-Doped Carbons with Efficient and Durable Catalytic Activity for Oxygen Reduction. Small, 2020, 16, e2000742.	10.0	50
23	Synthesis, Characterization, and Antimicrobial Investigation of a Novel Chlorhexidine Cyclamate Complex. Crystal Growth and Design, 2020, 20, 4991-4999.	3.0	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.	5.0	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.	13.8	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.	10.3	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.	2.0	11
28	A CO <sub>2</sub> /H <sub>2</sub> fuel cell: reducing CO <sub>2</sub> while generating electricity. Journal of Materials Chemistry A, 2020, 8, 8329-8336.	10.3	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.	7.1	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.	9.4	22
31	Synthesis, Characterization, and Investigation of the Antimicrobial Activity of Cetylpyridinium Tetrachlorozincate. ACS Omega, 2020, 5, 10359-10365.	3.5	11
32	A Blinking Mesoporous TiO <sub>2</sub> Composed of Nanosized Anatase with Unusually Long-Lived Trapped Charge Carriers. Angewandte Chemie - International Edition, 2020, 59, 15000-15007.	13.8	31
33	A Blinking Mesoporous TiO <sub>2</sub> Composed of Nanosized Anatase with Unusually Long-Lived Trapped Charge Carriers. Angewandte Chemie, 2020, 132, 15110-15117.	2.0	4
34	Fe <sub>3</sub> 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.	7.1	16
35	Unconventional molybdenum carbide phases with high electrocatalytic activity for hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 18030-18038.	10.3	64
36	CO <sub>2</sub> -Mediated H <sub>2</sub> Storage Release with Nanostructured Catalysts: Recent Progresses, Challenges, and Perspectives. Advanced Energy Materials, 2019, 9, 1901158.	19.5	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.	6.7	32
38	Contamination Mitigation Strategy for Ultra-Low Energy Electron Microscopy and Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 500-501.	0.4	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.	7.8	28
40	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 2313-2323.	5.1	29
41	Harvesting waste heat energy by promoting H <sup>+</sup> -ion concentration difference with a fuel cell structure. <i>Nano Energy</i> , 2019, 57, 101-107.	16.0	18
42	Heteroatom-Doped Carbon Materials for Hydrazine Oxidation. <i>Advanced Materials</i> , 2019, 31, e1804394.	21.0	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.	14.9	31
44	Ultra-absorbent hybrid hydrogel based on alginate and SiO <sub>2</sub> microspheres: A high-water-content system for removal of methylene blue. <i>Journal of Molecular Liquids</i> , 2019, 276, 204-213.	4.9	44
45	Template-free synthesis of highly selective amorphous aluminosilicate catalyst for toluene alkylation. <i>Applied Catalysis A: General</i> , 2018, 556, 155-159.	4.3	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.	9.3	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.	20.2	115
48	Multifunctional hybrid aerogels: hyperbranched polymer-trapped mesoporous silica nanoparticles for sustained and prolonged drug release. <i>Nanoscale</i> , 2018, 10, 1704-1715.	5.6	48
49	Mesoporous TiO <sub>2</sub> Comprising Small, Highly Crystalline Nanoparticles for Efficient CO <sub>2</sub> Reduction by H <sub>2</sub> O. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 531-540.	6.7	52
50	Facile synthesis of efficient and selective Ti-containing mesoporous silica catalysts for toluene oxidation. <i>Molecular Catalysis</i> , 2018, 444, 34-41.	2.0	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.	13.7	41
52	Efficient Catalysts for Cyclohexane Dehydrogenation Synthesized by Mo-Promoted Growth of 3D Block Carbon Coupled with Mo <sub>2</sub> C. <i>ACS Omega</i> , 2018, 3, 10773-10780.	3.5	14
53	Ta-Doped porous TiO <sub>2</sub> nanorod arrays by substrate-assisted synthesis: efficient photoelectrocatalysts for water oxidation. <i>Nanoscale</i> , 2018, 10, 19367-19374.	5.6	15
54	Copper nanoparticles/polyaniline-derived mesoporous carbon electrocatalysts for hydrazine oxidation. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 329-338.	4.4	17

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55	Metal-organic framework-derived Fe <sub>3</sub> 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.	3.8	18
56	Mesoporous Graphitic Carbon Nitrides Decorated with Cu Nanoparticles: Efficient Photocatalysts for Degradation of Tartrazine Yellow Dye. <i>Nanomaterials</i> , 2018, 8, 636.	4.1	16
57	A Facile Synthesis of Nitrogen-Doped Highly Porous Carbon Nanoplatelets: Efficient Catalysts for Oxygen Electroreduction. <i>Scientific Reports</i> , 2017, 7, 43366.	3.3	31
58	Heteroatom-Doped Carbon Materials for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 10703-10713.	3.3	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.	10.3	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.	3.8	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.	10.3	40
62	Hollow Mesoporous Carbon Microparticles and Micromotors with Single Holes Templated by Colloidal Silica-Assisted Gas Bubbles. <i>Small</i> , 2017, 13, 1700256.	10.0	13
63	Copper-Decorated Microsized Nanoporous Titanium Dioxide Photocatalysts for Carbon Dioxide Reduction by Water. <i>ChemCatChem</i> , 2017, 9, 3054-3062.	3.7	44
64	Efficient electrocatalysis of overall water splitting by ultrasmall Ni <sub>3</sub> Co <sub>3</sub> S <sub>4</sub> coupled Ni <sub>3</sub> S <sub>2</sub> nanosheet arrays. <i>Nano Energy</i> , 2017, 35, 161-170.	16.0	339
65	Ni, O, and Tridoped Carbon-Encapsulated Co <sub>9</sub> S <sub>8</sub> Nanomaterials: Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2017, 27, 1606585.	14.9	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.	20.2	80
67	Amine/Hydrogen Bifunctional Nanoporous Silica with Small Metal Nanoparticles Made Onsite: Efficient Dehydrogenation Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36-41.	8.0	13
68	Sol-gel synthesis of new TiO <sub>2</sub> /activated carbon photocatalyst and its application for degradation of tetracycline. <i>Ceramics International</i> , 2017, 43, 4411-4418.	4.8	135
69	Hierarchically Porous Co <sub>3</sub> 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.	5.2	58
70	Frontispiece: Heteroatom-Doped Carbon Materials for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	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.	13.7	335
72	Hybrid Materials and Nanocomposites as Multifunctional Biomaterials. <i>Current Pharmaceutical Design</i> , 2017, 23, 3794-3813.	1.9	32

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73	Overall Water Splitting Catalyzed Efficiently by an Ultrathin Nanosheetâ€Built, Hollow Ni <sub>3</sub> S <sub>2</sub> -Based Electrocatalyst. <i>Advanced Functional Materials</i> , 2016, 26, 4839-4847.	14.9	438
74	Monodisperse Mesoporous Carbon Nanoparticles from Polymer/Silica Self-Aggregates and Their Electrocatalytic Activities. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18891-18903.	8.0	36
75	Hierarchically Self-Assembled Star-Shaped ZnO Microparticles for Electrochemical Sensing of Amines. <i>Chemistry - A European Journal</i> , 2016, 22, 8068-8073.	3.3	9
76	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie</i> , 2016, 128, 11694-11699.	2.0	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.	2.0	5
78	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	47.7	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.	12.7	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.	7.5	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.	15.6	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.	13.8	40
83	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11522-11527.	13.8	14
84	Electrocatalysis: Overall Water Splitting Catalyzed Efficiently by an Ultrathin Nanosheetâ€Built, Hollow Ni <sub>3</sub> S <sub>2</sub> -Based Electrocatalyst ( <i>Adv. Funct. Mater.</i> 27/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4999-4999.	14.9	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.	4.1	45
86	The role of electronic coupling between substrate and 2D MoS <sub>2</sub> nanosheets in electrocatalytic production of hydrogen. <i>Nature Materials</i> , 2016, 15, 1003-1009.	27.5	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.	6.7	234
88	Improving the dissolution of fenofibrate with yeast cell-derived hollow core/shell carbon microparticles. <i>RSC Advances</i> , 2016, 6, 30226-30233.	3.6	2
89	Synthesis and Gas-sensing Performance of Column-shaped Zinc Oxide Doped with-graphene. <i>Materials Today: Proceedings</i> , 2016, 3, 345-349.	1.8	8
90	Controlling cell growth with tailorable 2D nanoholes arrays. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 150-161.	9.4	10

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91	Fibrous porous carbon electrocatalysts for hydrazine oxidation by using cellulose filter paper as precursor and self-template. Carbon, 2016, 102, 97-105.	10.3	28
92	Microâ€mesoporous iron oxides with record efficiency for the decomposition of hydrogen peroxide: morphology driven catalysis for the degradation of organic contaminants. Journal of Materials Chemistry A, 2016, 4, 596-604.	10.3	42
93	Metal doped carbon nanoneedles and effect of carbon organization with activity for hydrogen evolution reaction (HER). Carbohydrate Polymers, 2016, 137, 719-725.	10.2	17
94	Bicinchoninic acid-based colorimetric chemosensor for detection of low concentrations of cyanide. Sensors and Actuators B: Chemical, 2016, 222, 112-119.	7.8	12
95	Frontispiece: Coupling Mo<sub>2</sub>C with Nitrogenâ€Rich Nanocarbon Leads to Efficient Hydrogenâ€Evolution Electrocatalytic Sites. Angewandte Chemie - International Edition, 2015, 54, .	13.8	4
96	Coupling Mo<sub>2</sub>C with Nitrogenâ€Rich Nanocarbon Leads to Efficient Hydrogenâ€Evolution Electrocatalytic Sites. Angewandte Chemie - International Edition, 2015, 54, 10752-10757.	13.8	674
97	Yeast Cells-Derived Hollow Core/Shell Heteroatom-Doped Carbon Microparticles for Sustainable Electrocatalysis. ACS Applied Materials & Interfaces, 2015, 7, 1978-1986.	8.0	49
98	Copper nanoparticles stabilized by reduced graphene oxide for CO2 reduction reaction. Materials for Renewable and Sustainable Energy, 2015, 4, 1.	3.6	68
99	Glutathione-triggered release of model drug molecules from mesoporous silica nanoparticles via a non-redox process. RSC Advances, 2015, 5, 28836-28839.	3.6	11
100	A trifunctional mesoporous silica-based, highly active catalyst for one-pot, three-step cascade reactions. Chemical Communications, 2015, 51, 8496-8499.	4.1	54
101	Coreâ€shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. Chemical Society Reviews, 2015, 44, 7540-7590.	38.1	906
102	Nanostructured polymers with high surface area using inorganic templates for the efficient extraction of anionic dyes from solutions. Chemical Communications, 2015, 51, 16135-16138.	4.1	13
103	High-Index Faceted Ni<sub>3</sub>S<sub>2</sub> Nanosheet Arrays as Highly Active and Ultrastable Electrocatalysts for Water Splitting. Journal of the American Chemical Society, 2015, 137, 14023-14026.	13.7	1,622
104	Cu-doped carbon nitride: Bio-inspired synthesis of H2-evolving electrocatalysts using graphitic carbon nitride (g-C3N4) as a host material. Applied Surface Science, 2015, 357, 221-228.	6.1	97
105	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. Nature Chemistry, 2015, 7, 45-49.	13.6	637
106	Removal of tetracycline by NaOH-activated carbon produced from macadamia nut shells: Kinetic and equilibrium studies. Chemical Engineering Journal, 2015, 260, 291-299.	12.7	570
107	Functionalized Mesoporous Silica Nanoparticles for Glucoseâ€and pHâ€stimulated Release of Insulin. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 616-623.	1.2	18
108	Low Energy TEM Characterizations of Ordered Mesoporous Silica-Based Nanocomposite Materials for Catalytic Applications. Microscopy and Microanalysis, 2014, 20, 1900-1901.	0.4	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.	10.3	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.	13.8	857
111	Synthesis of ZnCl <sub>2</sub> -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.	5.5	123
112	Nanostructured TiO <sub>2</sub> Catalyzed Oxidations of Caffeine and Isocaffeine and Their Cytotoxicity and Genotoxicity Towards Ovarian Cancer Cells. <i>BioNanoScience</i> , 2014, 4, 27-36.	3.5	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.	10.0	61
114	One-pot cation exchange synthesis of 1D porous CdS/ZnO heterostructures for visible-light-driven H <sub>2</sub> evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4682.	10.3	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.	10.3	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.	21.0	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.	3.5	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.	13.7	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.	4.1	268
120	Photocatalytic performance of Sn-doped TiO <sub>2</sub> /reduced graphene oxide composite materials. <i>Applied Catalysis A: General</i> , 2014, 473, 21-30.	4.3	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.	10.3	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.	2.8	17
123	Conducting MoS <sub>2</sub> Nanosheets as Catalysts for Hydrogen Evolution Reaction. <i>Nano Letters</i> , 2013, 13, 6222-6227.	9.1	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.	13.7	381
125	Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co <sub>3</sub> O <sub>4</sub> nanomaterials derived from metal-embedded graphitic C <sub>3</sub> N <sub>4</sub> . <i>Chemical Communications</i> , 2013, 49, 7522.	4.1	220
126	A self-cleaning porous TiO <sub>2</sub> -Ag core-shell nanocomposite material for surface-enhanced Raman scattering. <i>Chemical Communications</i> , 2013, 49, 382-384.	4.1	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.	3.7	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.	5.5	81
129	Nanocrafting Iron&ndash;Cobalt for Fischer&ndash;Tropsch Catalysis. <i>ChemCatChem</i> , 2013, 5, 1698-1700.	3.7	4
130	Enhanced catalytic activity in strained chemically exfoliated WS <sub>2</sub> nanosheets for hydrogen evolution. <i>Nature Materials</i> , 2013, 12, 850-855.	27.5	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.	13.7	661
132	Biocompatibility of Calcined Mesoporous Silica Particles with Ventricular Myocyte Structure and Function. <i>Chemical Research in Toxicology</i> , 2013, 26, 26-36.	3.3	8
133	Lung toxicities of core&ndash;shell nanoparticles composed of carbon, cobalt, and silica. <i>International Journal of Nanomedicine</i> , 2013, 8, 1223.	6.7	4
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