

Yong Wang

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.

190
papers

21,676
citations

66
h-index

146
g-index

211
ext. papers

24,755
ext. citations

9.9
avg, IF

7.34
L-index

#	Paper	IF	Citations
190	Strong Oxide-Support Interaction over IrO ₂ /VO ₂ for Efficient pH-Universal Water Splitting.. <i>Advanced Science</i> , 2022 , e2104636	13.6	12
189	Coordination environment of active sites and their effect on catalytic performance of heterogeneous catalysts. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 928-955	11.3	0
188	Elucidating electrocatalytic mechanism for large-scale cycloalkanol oxidation integrated with hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022 , 136264	14.7	1
187	Plasmon-Enhanced Nitrogen Vacancy-Rich Carbon Nitride Electrochemiluminescence Aptasensor for Highly Sensitive Detection of miRNA.. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
186	Interfacial Assembly of Nanowire Arrays toward Carbonaceous Mesoporous Nanorods and Superstructures. <i>Small</i> , 2021 , 18, e2104477	11	1
185	Spatial charge separation induced new mechanism of efficient CO ₂ coupling by forming ion-pair intermediates. <i>Chem Catalysis</i> , 2021 ,		4
184	Significantly Enhanced Oxygen Evolution Reaction Performance by Tuning Surface States of Co Through Cu Modification in Alloy Structure. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 903, 115823	4.1	1
183	Bridging and bonding: Zinc and potassium co-assisted crystalline g-C ₃ N ₄ for significant highly efficient upon photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2021 , 542, 148620	6.7	15
182	Sequential Superassembly of Nanofiber Arrays to Carbonaceous Ordered Mesoporous Nanowires and Their Heterostructure Membranes for Osmotic Energy Conversion. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6922-6932	16.4	15
181	Facile synthesis of MoS ₂ /Cu as trifunctional catalyst for electrochemical overall water splitting and photocatalytic CO ₂ conversion. <i>Materials and Design</i> , 2021 , 204, 109674	8.1	18
180	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15556-15562	16.4	2
179	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie</i> , 2021 , 133, 15684-15690	3.6	
178	Dynamic Modification of Palladium Catalysts with Chain Alkylamines for the Selective Hydrogenation of Alkynes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31775-31784	9.5	8
177	Highly efficient water desalination by capacitive deionization on biomass-derived porous carbon nanoflakes. <i>Separation and Purification Technology</i> , 2021 , 256, 117771	8.3	39
176	Ultrasmall PdAu alloy nanoparticles anchored on amine-functionalized hierarchically porous carbon as additive-free catalysts for highly efficient dehydrogenation of formic acid. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120140	21.8	21
175	Selective upgrading of biomass-derived benzylic ketones by (formic acid)Pd/HPCN/H ₂ system with high efficiency under ambient conditions. <i>Chem</i> , 2021 ,	16.2	5
174	Rational construction of Pt/PtTex interface with optimal intermediate adsorption energy for efficient hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120640	21.8	17

173	Controlling the Oxidation State of Fe-Based Catalysts through Nitrogen Doping toward the Hydrodeoxygenation of m-Cresol. <i>ACS Catalysis</i> , 2020 , 10, 7884-7893	13.1	11
172	Chemical Insight into the Structure and Formation of Coke on PtSn Alloy during Propane Dehydrogenation. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000092	5.9	9
171	Insight into Single-Atom-Induced Unconventional Size Dependence over CeO ₂ -Supported Pt Catalysts. <i>CheM</i> , 2020 , 6, 752-765	16.2	27
170	Site-specific deposition creates electron-rich Pd atoms for unprecedented C ₂ H ₄ activation in aerobic alcohol oxidation. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1240-1247	11.3	8
169	Heterostructure of 2D CoP Nanosheets/1D Carbon Nanotubes to Significantly Boost the Alkaline Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901302	4.6	16
168	Improving alkaline hydrogen evolution reaction kinetics on molybdenum carbide: Introducing Ru dopant. <i>Journal of Catalysis</i> , 2020 , 392, 313-321	7.3	18
167	Generalized Chemoselective Transfer Hydrogenation/Hydrodeuteration. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 4119-4129	5.6	13
166	Highly performed platinum nanosheets synthesized under in situ reaction conditions for hydrogen generation. <i>Journal of Energy Chemistry</i> , 2020 , 51, 272-279	12	6
165	In Situ Formed Bimetallic Carbide Ni ₆ Mo ₆ C Nanodots and NiMoO _x Nanosheet Array Hybrids Anchored on Carbon Cloth: Efficient and Flexible Self-Supported Catalysts for Hydrogen Evolution. <i>ACS Catalysis</i> , 2020 , 10, 11634-11642	13.1	30
164	Influence of graphene surface chemistry on Ir-catalyzed hydrogenation of p-chloronitrobenzene and cinnamaldehyde: Weak molecule-support interactions. <i>Journal of Catalysis</i> , 2019 , 377, 524-533	7.3	6
163	Kinetics-controlled synthesis of hierarchically porous materials with tunable properties from diverse building blocks. <i>Carbon</i> , 2019 , 155, 611-617	10.4	8
162	Study of the role of alkaline sodium additive in selective hydrogenation of phenol. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1516-1524	11.3	17
161	Rational design of hydrogenation catalysts using nitrogen-doped porous carbon. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 971-979	11.3	34
160	Hydrogen Evolution Enhancement over a Cobalt-Based Schottky Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27641-27647	9.5	16
159	Oxygen Groups Immobilized on Micropores for Enhancing the Pseudocapacitance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11407-11414	8.3	11
158	Carbon vacancy defect-activated Pt cluster for hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15364-15370	13	29
157	Redispersion of Mo-Based Catalysts and the Rational Design of Super Small-Sized Metallic Mo Species. <i>ACS Catalysis</i> , 2019 , 9, 5302-5307	13.1	34
156	Self-adaptive amorphous Co ₂ P@Co ₂ P/Co-polyoxometalate/nickel foam as an effective electrode for electrocatalytic water splitting in alkaline electrolyte. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9203-9209	6.7	20

155	Directly immobilizing a Ru ^{II} annic acid linkage coordination complex on carbon cloth: an efficient and ultrastable catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11038-11043	13	21
154	Recent advances in the synthesis and applications of anisotropic carbon and silica-based nanoparticles. <i>Nano Research</i> , 2019 , 12, 1267-1278	10	17
153	Increasing Solar Absorption of Atomically Thin 2D Carbon Nitride Sheets for Enhanced Visible-Light Photocatalysis. <i>Advanced Materials</i> , 2019 , 31, e1807540	24	96
152	Tuning the catalytic performance for the semi-hydrogenation of alkynols by selectively poisoning the active sites of Pd catalysts. <i>Green Chemistry</i> , 2019 , 21, 4143-4151	10	26
151	The chemical nature of N doping on N doped carbon supported noble metal catalysts. <i>Journal of Catalysis</i> , 2019 , 375, 456-465	7.3	38
150	Annular Mesoporous Carbonaceous Nanospheres from Biomass-Derived Building Units with Enhanced Biological Interactions. <i>Chemistry of Materials</i> , 2019 , 31, 7186-7191	9.6	18
149	Mixed-metal MOF-derived Co-doped Ni ₃ C/Ni NPs embedded in carbon matrix as an efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 24572-24579 ^{6,7} ⁴⁰	6.7	40
148	Revealing the sodium storage of surface C O structure in high performance Na-ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 854, 113554	4.1	3
147	Selective Electrochemical Reduction of Nitrogen to Ammonia by Adjusting the Three-Phase Interface. <i>Research</i> , 2019 , 2019, 1401209	7.8	14
146	Biomass-derived ordered mesoporous carbon nano-ellipsoid encapsulated metal nanoparticles inside: ideal nanoreactors for shape-selective catalysis. <i>Chemical Communications</i> , 2019 , 56, 229-232	5.8	23
145	Pd nanoparticles anchored on amino-functionalized hierarchically porous carbon for efficient dehydrogenation of formic acid under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25791-25795	13	27
144	Understanding the synergetic interaction within β MoC/ β Mo ₂ C heterostructured electrocatalyst. <i>Journal of Energy Chemistry</i> , 2019 , 35, 66-70	12	21
143	Chemoselective hydrogenation of phenol to cyclohexanol using heterogenized cobalt oxide catalysts. <i>Chinese Chemical Letters</i> , 2018 , 29, 815-818	8.1	24
142	Selective Hydrogenation of Phenol. <i>ChemNanoMat</i> , 2018 , 4, 432-450	3.5	28
141	Low-crystalline tungsten trioxide anode with superior electrochemical performance for flexible solid-state asymmetry supercapacitor. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8986-8991	13	46
140	Highly uniform Ru nanoparticles over N-doped carbon: pH and temperature-universal hydrogen release from water reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 800-806	35.4	286
139	Improved catalytic activity and stability for hydrogenation of levulinic acid by Ru/N-doped hierarchically porous carbon. <i>Molecular Catalysis</i> , 2018 , 448, 100-107	3.3	32
138	Efficient synthesis of ultrafine Pd nanoparticles on an activated N-doping carbon for the decomposition of formic acid. <i>Catalysis Communications</i> , 2018 , 108, 55-58	3.2	33

137	The synergic effects at the molecular level in CoS ₂ for selective hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2018 , 20, 671-679	10	39
136	Oxygen vacancies on the surface of HxWO ₃ for enhanced charge storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6780-6784	13	29
135	Tuning the selectivity of phenol hydrogenation on Pd/C with acid and basic media. <i>Catalysis Communications</i> , 2018 , 103, 88-91	3.2	17
134	Transition Metal Induced the Contraction of Tungsten Carbide Lattice as Superior Hydrogen Evolution Reaction Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22094-22101	9.5	45
133	Shape Engineering of Biomass-Derived Nanoparticles from Hollow Spheres to Bowls through Solvent-Induced Buckling. <i>ChemSusChem</i> , 2018 , 11, 2540-2546	8.3	23
132	Fabricating Metal@N-Doped Carbon Catalysts via a Thermal Method. <i>ACS Catalysis</i> , 2018 , 8, 7077-7085	13.1	43
131	Cooperative Assembly of Asymmetric Carbonaceous Bivalve-Like Superstructures from Multiple Building Blocks. <i>Research</i> , 2018 , 2018, 5807980	7.8	18
130	High-performance flexible redox supercapacitors induced by methylene blue with a wide voltage window. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 357-360	5.8	17
129	Insight into the Role of Additives in Catalytic Synthesis of Cyclohexylamine from Nitrobenzene. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 1191-1196	4.9	17
128	Efficient hydrogenation of stearic acid over carbon coated NiFe catalyst. <i>Journal of Catalysis</i> , 2018 , 367, 139-149	7.3	36
127	A flexible dual solid-state electrolyte supercapacitor with suppressed self-discharge and enhanced stability. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2727-2732	5.8	17
126	Sustainable and scalable synthesis of monodisperse carbon nanospheres and their derived superstructures. <i>Green Chemistry</i> , 2018 , 20, 4596-4601	10	23
125	Magnetic nano-structured cobalt/cobalt oxide/nitrogen-doped carbon material as an efficient catalyst for aerobic oxidation of p-cresols. <i>Molecular Catalysis</i> , 2018 , 453, 121-131	3.3	21
124	Structural identification of Zn _x Zr _y O _z catalysts for Cascade aldolization and self-deoxygenation reactions. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 337-346	21.8	33
123	A general synthetic approach for hexagonal phase tungsten nitride composites and their application in the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10967-10975	13	44
122	Asymmetric Flasklike Hollow Carbonaceous Nanoparticles Fabricated by the Synergistic Interaction between Soft Template and Biomass. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2657-2663	16.4	98
121	Non-Noble Metal-based Carbon Composites in Hydrogen Evolution Reaction: Fundamentals to Applications. <i>Advanced Materials</i> , 2017 , 29, 1605838	24	900
120	K ₂ CO ₃ -loaded hydrotalcite: A promising heterogeneous solid base catalyst for biolubricant base oil production from waste cooking oils. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 118-127	21.8	33

119	Dominating Role of Ni on the Interface of Ni/NiO for Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7139-7147	9.5	139
118	PdZn intermetallic on a CN@ZnO hybrid as an efficient catalyst for the semihydrogenation of alkynols. <i>Journal of Catalysis</i> , 2017 , 350, 13-20	7.3	38
117	MnO ₂ nanograsses on porous carbon cloth for flexible solid-state asymmetric supercapacitors with high energy density. <i>Energy Storage Materials</i> , 2017 , 8, 127-133	19.4	71
116	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8459-8463	16.4	152
115	CoOx-carbon nanotubes hybrids integrated on carbon cloth as a new generation of 3D porous hydrogen evolution promoters. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10510-10516	13	40
114	Fe incorporated Co(OH) ₂ nanosheets with remarkably improved activity towards the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1078-1084	13	159
113	Ni/nitrogen-doped graphene nanotubes acted as a valuable tailor for remarkably enhanced hydrogen evolution performance of platinum-based catalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16249-16254	13	17
112	Highly effective Ir-based catalysts for benzoic acid hydrogenation: experiment- and theory-guided catalyst rational design. <i>Green Chemistry</i> , 2017 , 19, 1766-1774	10	18
111	Ultramicroporous carbon cloth for flexible energy storage with high areal capacitance. <i>Energy Storage Materials</i> , 2017 , 7, 216-221	19.4	72
110	Organic-acid-assisted synthesis of a 3D lasagna-like Fe-N-doped CNTs-G framework: An efficient and stable electrocatalyst for oxygen reduction reactions. <i>Nano Research</i> , 2017 , 10, 1258-1267	10	21
109	Two-dimensional materials confining single atoms for catalysis. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1443-1453	11.3	45
108	Morphology Dynamics of Single-Layered Ni(OH)/NiOOH Nanosheets and Subsequent Fe Incorporation Studied by in Situ Electrochemical Atomic Force Microscopy. <i>Nano Letters</i> , 2017 , 17, 6922-6926	11.5	79
107	Metal/Porous Carbon Composites for Heterogeneous Catalysis: Old Catalysts with Improved Performance Promoted by N-Doping. <i>ACS Catalysis</i> , 2017 , 7, 8090-8112	13.1	265
106	Efficient Catalytic Hydrodeoxygenation of Aromatic Carbonyls over a Nitrogen-Doped Hierarchical Porous Carbon Supported Nickel Catalyst. <i>ChemistrySelect</i> , 2017 , 2, 8486-8492	1.8	25
105	Activation of surface lattice oxygen in single-atom Pt/CeO for low-temperature CO oxidation. <i>Science</i> , 2017 , 358, 1419-1423	33.3	740
104	In Situ Synthesis of Chitin-Derived Rh/Ni Catalysts: Efficient Hydrogenation of Benzoic Acid and Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9894-9902	8.3	39
103	3D-interconnected hierarchical porous N-doped carbon supported ruthenium nanoparticles as an efficient catalyst for toluene and quinoline hydrogenation. <i>Green Chemistry</i> , 2016 , 18, 6082-6090	10	90
102	One-step synthesis of g-C ₃ N ₄ hierarchical porous structure nanosheets with dramatic ultraviolet light photocatalytic activity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016 , 214, 19-25	3.1	26

101	Cobalt Encapsulated in N-Doped Graphene Layers: An Efficient and Stable Catalyst for Hydrogenation of Quinoline Compounds. <i>ACS Catalysis</i> , 2016 , 6, 5816-5822	13.1	147
100	Acid Induced Self-Assembly Strategy to Synthesize Ordered Mesoporous Carbons from Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4473-4479	8.3	34
99	Ionic-Liquid-Derived Boron-Doped Cobalt-Coordinating Nitrogen-Doped Carbon Materials for Enhanced Catalytic Activity. <i>ChemCatChem</i> , 2016 , 8, 1782-1787	5.2	12
98	Biomass-derived carbon: synthesis and applications in energy storage and conversion. <i>Green Chemistry</i> , 2016 , 18, 4824-4854	10	560
97	Reactivity and mechanism investigation of selective hydrogenation of 2,3,5-trimethylbenzoquinone on in situ generated metallic cobalt. <i>Catalysis Science and Technology</i> , 2016 , 6, 4503-4510	5.5	14
96	High Catalytic Activity and Chemoselectivity of Sub-nanometric Pd Clusters on Porous Nanorods of CeO ₂ for Hydrogenation of Nitroarenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2629-37	16.4	291
95	Hydrothermal synthesis of manganese oxide encapsulated multiporous carbon nanofibers for supercapacitors. <i>Nano Research</i> , 2016 , 9, 2672-2680	10	30
94	Thermally stable single-atom platinum-on-ceria catalysts via atom trapping. <i>Science</i> , 2016 , 353, 150-4	33.3	1065
93	Effects of Cellulose, Hemicellulose, and Lignin on the Structure and Morphology of Porous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3750-3756	8.3	186
92	Nitrogen-doped porous carbon materials: promising catalysts or catalyst supports for heterogeneous hydrogenation and oxidation. <i>Catalysis Science and Technology</i> , 2016 , 6, 3670-3693	5.5	202
91	Surface Activated Hydrothermal Carbon-Coated Electrospun PAN Fiber Membrane with Enhanced Adsorption Properties for Herbicide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2584-2592	8.3	59
90	Nitrogen-doped flower-like porous carbon materials directed by in situ hydrolysed MgO: Promising support for Ru nanoparticles in catalytic hydrogenations. <i>Nano Research</i> , 2016 , 9, 3129-3140	10	18
89	Carbon nitride in energy conversion and storage: recent advances and future prospects. <i>ChemSusChem</i> , 2015 , 8, 931-46	8.3	158
88	In Situ-Generated Co ₀ -Co ₃ O ₄ /N-Doped Carbon Nanotubes Hybrids as Efficient and Chemoselective Catalysts for Hydrogenation of Nitroarenes. <i>ACS Catalysis</i> , 2015 , 5, 4783-4789	13.1	290
87	Ni-promoted synthesis of graphitic carbon nanotubes from in situ produced graphitic carbon for dehydrogenation of ethylbenzene. <i>Chemical Communications</i> , 2015 , 51, 12859-62	5.8	43
86	RuPd Alloy Nanoparticles Supported on N-Doped Carbon as an Efficient and Stable Catalyst for Benzoic Acid Hydrogenation. <i>ACS Catalysis</i> , 2015 , 5, 3100-3107	13.1	118
85	From Waste to gold—a one-pot method to synthesize ultrafinely dispersed Fe ₂ O ₃ -based nanoparticles on N-doped carbon for synergistic and efficient water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11756-11761	13	48
84	Selective aerobic oxidation of alcohols by a mesoporous graphitic carbon nitride/N-hydroxyphthalimide system under visible-light illumination at room temperature. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1580-1586	11.3	33

83	Molybdenum-Carbide-Modified Nitrogen-Doped Carbon Vesicle Encapsulating Nickel Nanoparticles: A Highly Efficient, Low-Cost Catalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15753-9	16.4	350
82	Selective hydrogenation of unprotected indole to indoline over N-doped carbon supported palladium catalyst. <i>Chinese Chemical Letters</i> , 2015 , 26, 277-281	8.1	8
81	Graphitic carbon nitride polymers: promising catalysts or catalyst supports for heterogeneous oxidation and hydrogenation. <i>Green Chemistry</i> , 2015 , 17, 715-736	10	216
80	Highly efficient and chemoselective hydrogenation of α,β -unsaturated carbonyls over Pd/N-doped hierarchically porous carbon. <i>Catalysis Science and Technology</i> , 2015 , 5, 397-404	5.5	63
79	Synthesis of Mesoporous Fe ₂ N/C Materials with High Catalytic Performance in the Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2015 , 7, 2937-2944	5.2	18
78	Inspired by bread leavening: one-pot synthesis of hierarchically porous carbon for supercapacitors. <i>Green Chemistry</i> , 2015 , 17, 4053-4060	10	310
77	In situ cobalt-cobalt oxide/N-doped carbon hybrids as superior bifunctional electrocatalysts for hydrogen and oxygen evolution. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2688-94	16.4	1328
76	Design and fabrication of hierarchically porous carbon with a template-free method. <i>Scientific Reports</i> , 2014 , 4, 6349	4.9	65
75	Nitrogen-doped hollow carbon hemispheres as efficient metal-free electrocatalysts for oxygen reduction reaction in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 605-609	13	77
74	Metal-free allylic/benzylic oxidation strategies with molecular oxygen: recent advances and future prospects. <i>Green Chemistry</i> , 2014 , 16, 2344	10	157
73	Selective Hydrogenation of Phenol to Cyclohexanone in Water over Pd@N-Doped Carbon Derived from Ionic-Liquid Precursors. <i>ChemCatChem</i> , 2014 , 6, 3328-3332	5.2	64
72	Controlled Synthesis of Ordered Mesoporous Carbohydrate-Derived Carbons with Flower-like Structure and N-Doping by Self-Transformation. <i>Chemistry of Materials</i> , 2014 , 26, 6872-6877	9.6	70
71	Aerobic oxidative coupling of resveratrol and its analogues by visible light using mesoporous graphitic carbon nitride (mpg-C(3)N(4)) as a bioinspired catalyst. <i>Chemistry - A European Journal</i> , 2014 , 20, 678-82	4.8	41
70	A novel strategy to synthesize hierarchical, porous carbohydrate-derived carbon with tunable properties. <i>Nanoscale</i> , 2014 , 6, 13510-7	7.7	28
69	Cellulose-based hydrophobic carbon aerogels as versatile and superior adsorbents for sewage treatment. <i>RSC Advances</i> , 2014 , 4, 45753-45759	3.7	59
68	Updating biomass into functional carbon material in ionothermal manner. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12515-22	9.5	81
67	Sustainable and scalable production of monodisperse and highly uniform colloidal carbonaceous spheres using sodium polyacrylate as the dispersant. <i>Chemical Communications</i> , 2014 , 50, 12633-6	5.8	48
66	Improved electrocatalytic activity for ethanol oxidation by Pd@N-doped carbon from biomass. <i>Chemical Communications</i> , 2014 , 50, 12637-40	5.8	58

65	Ultrafinely dispersed Pd nanoparticles on a CN@MgO hybrid as a bifunctional catalyst for upgrading bioderived compounds. <i>Green Chemistry</i> , 2014 , 16, 4371-4377	10	34
64	Hydrogenation of Benzoic Acid and Derivatives over Pd Nanoparticles Supported on N-Doped Carbon Derived from Glucosamine Hydrochloride. <i>ACS Catalysis</i> , 2014 , 4, 3132-3135	13.1	88
63	Enhanced Fe ₂ O ₃ Reducibility via Surface Modification with Pd: Characterizing the Synergy within Pd/Fe Catalysts for Hydrodeoxygenation Reactions. <i>ACS Catalysis</i> , 2014 , 4, 3381-3392	13.1	99
62	Combination of carbon nitride and carbon nanotubes: synergistic catalysts for energy conversion. <i>ChemSusChem</i> , 2014 , 7, 2303-9	8.3	71
61	An Efficient Way To Introduce Hierarchical Structure into Biomass-Based Hydrothermal Carbonaceous Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2435-2441	8.3	77
60	Post-functionalization of graphitic carbon nitrides by grafting organic molecules: toward C-H bond oxidation using atmospheric oxygen. <i>Chemical Communications</i> , 2014 , 50, 6312-5	5.8	40
59	One-Step Production of Sulfur and Nitrogen Co-doped Graphitic Carbon for Oxygen Reduction: Activation Effect of Oxidized Sulfur and Nitrogen. <i>ChemCatChem</i> , 2014 , 6, n/a-n/a	5.2	7
58	Controlled synthesis of sustainable N-doped hollow core-mesoporous shell carbonaceous nanospheres from biomass. <i>Nano Research</i> , 2014 , 7, 1809-1819	10	50
57	Palladium nanoparticles supported on mpg-C ₃ N ₄ as active catalyst for semihydrogenation of phenylacetylene under mild conditions. <i>Green Chemistry</i> , 2013 , 15, 2525	10	98
56	Mesoporous zwitterionic poly(ionic liquid)s: intrinsic complexation and efficient catalytic fixation of CO ₂ . <i>Polymer Chemistry</i> , 2013 , 4, 5048	4.9	38
55	Carbon-supported bimetallic PdBe catalysts for vapor-phase hydrodeoxygenation of guaiacol. <i>Journal of Catalysis</i> , 2013 , 306, 47-57	7.3	319
54	Gold nanoparticles stabilized by an amphiphilic pillar[5]arene: preparation, self-assembly into composite microtubes in water and application in green catalysis. <i>Chemical Science</i> , 2013 , 4, 3667	9.4	140
53	Innentitelbild: Improving Hydrothermal Carbonization by Using Poly(ionic liquid)s (Angew. Chem. 23/2013). <i>Angewandte Chemie</i> , 2013 , 125, 6002-6002	3.6	
52	Quenched skeletal Ni as the effective catalyst for selective partial hydrogenation of polycyclic aromatic hydrocarbons. <i>RSC Advances</i> , 2013 , 3, 23984	3.7	22
51	A novel catalyst Pd@mpg-C ₃ N ₄ for highly chemoselective hydrogenation of quinoline under mild conditions. <i>Journal of Catalysis</i> , 2013 , 297, 272-280	7.3	178
50	Mesoporous nitrogen-doped carbon for copper-mediated Ullmann-type C ₂ /N/S cross-coupling reactions. <i>RSC Advances</i> , 2013 , 3, 1890-1895	3.7	50
49	Improving hydrothermal carbonization by using poly(ionic liquid)s. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6028-32	16.4	126
48	Highly selective Pd@mpg-C ₃ N ₄ catalyst for phenol hydrogenation in aqueous phase. <i>RSC Advances</i> , 2013 , 3, 10973	3.7	114

47	Solvent-free aerobic oxidation of hydrocarbons and alcohols with Pd@N-doped carbon from glucose. <i>Nature Communications</i> , 2013 , 4, 1593	17.4	293
46	Electronic effect of ionic-pair substituents. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 460-466	2.1	4
45	Improving Hydrothermal Carbonization by Using Poly(ionic liquid)s. <i>Angewandte Chemie</i> , 2013 , 125, 6144-6148	3.0	30
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