Xin Wang

List of Publications by Year in descending order

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236 papers	39,565 citations	2675 95 h-index	2571 195 g-index
237 all docs	237 docs citations	237 times ranked	35301 citing authors

#	Article	IF	Citations
1	Molecule Confined Isolated Metal Sites Enable the Electrocatalytic Synthesis of Hydrogen Peroxide. Advanced Materials, 2022, 34, e2104891.	21.0	42
2	Highly selective and efficient electroreduction of CO₂ in water by quaterpyridine derivativeâ€based molecular catalyst noncovalently tethered to carbon nanotubes. SmartMat, 2022, 3, 151-162.	10.7	12
3	Synthesis of Nâ€Doped Highly Graphitic Carbon Urchinâ€Like Hollow Structures Loaded with Singleâ€Ni Atoms towards Efficient CO₂Electroreduction. Angewandte Chemie, 2022, 134, .	2.0	11
4	Synthesis of Nâ€Doped Highly Graphitic Carbon Urchinâ€Like Hollow Structures Loaded with Singleâ€Ni Atoms towards Efficient CO₂Electroreduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	64
5	Biomass-Derived Fe₂N@NCNTs from Bioaccumulation as an Efficient Electrocatalyst for Oxygen Reduction and Znâ€“Air Battery. ACS Sustainable Chemistry and Engineering, 2022, 10, 9105-9112.	6.7	12
6	Anodic Oxidation Enabled Cation Leaching for Promoting Surface Reconstruction in Water Oxidation. Angewandte Chemie - International Edition, 2021, 60, 7418-7425.	13.8	130
7	Highly Efficient Oxygen Reduction Reaction Activity of Nâ€Doped Carbonâ€“Cobalt Boride Heterointerfaces. Advanced Energy Materials, 2021, 11, 2100157.	19.5	190
8	Structural tuning of heterogeneous molecular catalysts for electrochemical energy conversion. Science Advances, 2021, 7, .	10.3	48
9	Enlarging the Ï€â€Conjugation of Cobalt Porphyrin for Highly Active and Selective CO₂Electroreduction. ChemSusChem, 2021, 14, 2126-2132.	6.8	31
10	Heterogeneous carbon dioxide reduction reaction by cobalt complexes of 4â€²,4â€²â€²â€²-disubstituted derivatives of quinquepyridine immobilized on carbon black. Electrochimica Acta, 2021, 380, 138224.	5.2	1
11	Tuning of lattice oxygen reactivity and scaling relation to construct better oxygen evolution electrocatalyst. Nature Communications, 2021, 12, 3992.	12.8	151
12	Effects of Axial Functional Groups on Heterogeneous Molecular Catalysts for Electrocatalytic CO₂ Reduction. Small Structures, 2021, 2, 2100093.	12.0	9
13	Boosting microbial electrocatalysis via localized high electron shuttles concentration by monolithic electrode based on nanostructured nitrogen-doped carbon microtubes. Journal of Power Sources, 2021, 514, 230557.	7.8	6
14	Electrocatalytic reduction of carbon dioxide: opportunities with heterogeneous molecular catalysts. Energy and Environmental Science, 2020, 13, 374-403.	30.8	303
15	Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction. Angewandte Chemie, 2020, 132, 19324-19329.	2.0	11
16	Isolated FeN₄ Sites for Efficient Electrocatalytic CO₂ Reduction. Advanced Science, 2020, 7, 2001545.	11.2	81
17	Rational Design of Metalâ€“Organic Frameworks towards Efficient Electrocatalysis. , 2020, 2, 1251-1267.		65
18	InnenrÃ¼cktitelbild: Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction (Angew. Chem. 43/2020). Angewandte Chemie, 2020, 132, 19527-19527.	2.0	0

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19	Ethylene Selectivity in Electrocatalytic CO₂ Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. Journal of the American Chemical Society, 2020, 142, 12760-12766.	13.7	183
20	A review on fundamentals for designing oxygen evolution electrocatalysts. Chemical Society Reviews, 2020, 49, 2196-2214.	38.1	1,466
21	A Planar, Conjugated N₄â€Macrocyclic Cobalt Complex for Heterogeneous Electrocatalytic CO₂ Reduction with High Activity. Angewandte Chemie - International Edition, 2020, 59, 17104-17109.	13.8	80
22	A Planar, Conjugated N₄â€Macrocyclic Cobalt Complex for Heterogeneous Electrocatalytic CO₂ Reduction with High Activity. Angewandte Chemie, 2020, 132, 17252-17257.	2.0	14
23	Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction. Angewandte Chemie - International Edition, 2020, 59, 19162-19167.	13.8	64
24	Investigation of Structural Evolution of SnO 2 Nanosheets towards Electrocatalytic CO 2 Reduction. Chemistry - an Asian Journal, 2020, 15, 1558-1561.	3.3	13
25	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2019, 58, 13532-13539.	13.8	143
26	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2019, 131, 13666-13673.	2.0	24
27	Bi₂O₃ Nanosheets Grown on Multiâ€Channel Carbon Matrix to Catalyze Efficient CO₂ Electroreduction to HCOOH. Angewandte Chemie - International Edition, 2019, 58, 13828-13833.	13.8	254
28	Bi₂O₃ Nanosheets Grown on Multiâ€Channel Carbon Matrix to Catalyze Efficient CO₂ Electroreduction to HCOOH. Angewandte Chemie, 2019, 131, 13966-13971.	2.0	45
29	Optimizing interfacial electronic coupling with metal oxide to activate inert polyaniline for superior electrocatalytic hydrogen generation. , 2019, 1, 77-84.		50
30	Augmentation of hydroxyl groups as electrocatalytic active sites in porous graphene. Carbon, 2019, 154, 384-390.	10.3	8
31	Boosting Electrochemical CO₂ Reduction on Metalâ€“Organic Frameworks via Ligand Doping. Angewandte Chemie, 2019, 131, 4081-4085.	2.0	66
32	Boosting Electrochemical CO₂ Reduction on Metalâ€“Organic Frameworks via Ligand Doping. Angewandte Chemie - International Edition, 2019, 58, 4041-4045.	13.8	199
33	Tailoring of Metal Boride Morphology via Anion for Efficient Water Oxidation. Advanced Energy Materials, 2019, 9, 1901503.	19.5	79
34	Chemical and structural origin of lattice oxygen oxidation in Coâ€“Zn oxyhydroxide oxygen evolution electrocatalysts. Nature Energy, 2019, 4, 329-338.	39.5	977
35	Efficient Electrochemical Reduction of CO₂ to HCOOH over Subâ€2â€…nm SnO₂ Quantum Wires with Exposed Grain Boundaries. Angewandte Chemie, 2019, 131, 8587-8591.	2.0	38
36	Efficient Electrochemical Reduction of CO₂ to HCOOH over Subâ€2â€…nm SnO₂ Quantum Wires with Exposed Grain Boundaries. Angewandte Chemie - International Edition, 2019, 58, 8499-8503.	13.8	322

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37	Strategies to Break the Scaling Relation toward Enhanced Oxygen Electrocatalysis. Matter, 2019, 1, 1494-1518.	10.0	316
38	A Waterâ€Soluble Cu Complex as Molecular Catalyst for Electrocatalytic CO₂ Reduction on Grapheneâ€Based Electrodes. Advanced Energy Materials, 2019, 9, 1803151.	19.5	85
39	Facile Synthesis of Amorphous Ternary Metal Boridesâ€“Reduced Graphene Oxide Hybrid with Superior Oxygen Evolution Activity. ACS Applied Materials & Interfaces, 2019, 11, 846-855.	8.0	67
40	Rational Design of Transition Metalâ€Based Materials for Highly Efficient Electrocatalysis. Small Methods, 2019, 3, 1800211.	8.6	250
41	An Earth-Abundant Tungstenâ€“Nickel Alloy Electrocatalyst for Superior Hydrogen Evolution. ACS Applied Nano Materials, 2018, 1, 1228-1235.	5.0	57
42	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. Science Advances, 2018, 4, eaap7970.	10.3	176
43	Ultrafast hydrothermal assembly of nanocarbon microfibers in near-critical water for 3D microsupercapacitors. Carbon, 2018, 132, 698-708.	10.3	26
44	Lithiation/Delithiation Synthesis of Few Layer Silicene Nanosheets for Rechargeable Liâ€“O₂ Batteries. Advanced Materials, 2018, 30, e1705523.	21.0	51
45	A Hierarchical MoP Nanoflake Array Supported on Ni Foam: A Bifunctional Electrocatalyst for Overall Water Splitting. Small Methods, 2018, 2, 1700369.	8.6	106
46	In Situ Grown Epitaxial Heterojunction Exhibits Highâ€Performance Electrocatalytic Water Splitting. Advanced Materials, 2018, 30, e1705516.	21.0	375
47	Clayâ€Inspired MXeneâ€Based Electrochemical Devices and Photoâ€Electrocatalyst: Stateâ€ofâ€theâ€Art Progresses and Challenges. Advanced Materials, 2018, 30, e1704561.	21.0	431
48	Hierarchical Nâ€Rich Carbon Sponge with Excellent Cycling Performance for Lithiumâ€Sulfur Battery at High Rates. Chemistry - A European Journal, 2018, 24, 5860-5867.	3.3	20
49	Selective Electrochemical H₂O₂ Production through Twoâ€Electron Oxygen Electrochemistry. Advanced Energy Materials, 2018, 8, 1801909.	19.5	498
50	Ultrathin Amorphous Ironâ€“Nickel Boride Nanosheets for Highly Efficient Electrocatalytic Oxygen Production. Chemistry - A European Journal, 2018, 24, 18502-18511.	3.3	82
51	Enlarged Coï£¿O Covalency in Octahedral Sites Leading to Highly Efficient Spinel Oxides for Oxygen Evolution Reaction. Advanced Materials, 2018, 30, e1802912.	21.0	338
52	Nanoâ€RuO₂â€Decorated Holey Graphene Composite Fibers for Microâ€Supercapacitors with Ultrahigh Energy Density. Small, 2018, 14, e1800582.	10.0	113
53	An Efficient and Earthâ€Abundant Oxygenâ€Evolving Electrocatalyst Based on Amorphous Metal Borides. Advanced Energy Materials, 2018, 8, 1701475.	19.5	292
54	Heterogeneous Electrocatalyst with Molecular Cobalt Ions Serving as the Center of Active Sites. Journal of the American Chemical Society, 2017, 139, 1878-1884.	13.7	129

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55	Ag containing porous Au structures as highly selective catalysts for glycolate and formate. Catalysis Science and Technology, 2017, 7, 874-881.	4.1	18
56	A microporous Mg²⁺ MOF with cation exchange properties in a single-crystal-to-single-crystal fashion. Inorganic Chemistry Frontiers, 2017, 4, 530-536.	6.0	19
57	Free-standing vertically-aligned nitrogen-doped carbon nanotube arrays/graphene as air-breathing electrodes for rechargeable zincâ€"air batteries. Journal of Materials Chemistry A, 2017, 5, 2488-2495.	10.3	83
58	Hydrothermal assembly of micro-nano-integrated core-sheath carbon fibers for high-performance all-carbon micro-supercapacitors. Energy Storage Materials, 2017, 9, 221-228.	18.0	34
59	Recent Methods for the Synthesis of Noble-Metal-Free Hydrogen-Evolution Electrocatalysts: From Nanoscale to Sub-nanoscale. Small Methods, 2017, 1, 1700118.	8.6	96
60	Molybdenum Carbideâ€Based Electrocatalysts for Hydrogen Evolution Reaction. Chemistry - A European Journal, 2017, 23, 10947-10961.	3.3	267
61	3D ordered porous Mo_xC (x = 1 or 2) for advanced hydrogen evolution and Li storage. Nanoscale, 2017, 9, 7260-7267.	5.6	58
62	Octahedral PtNi nanoparticles with controlled surface structure and composition for oxygen reduction reaction. Science China Materials, 2017, 60, 1109-1120.	6.3	23
63	Nitrified coke wastewater sludge flocs: an attractive precursor for N,S dual-doped graphene-like carbon with ultrahigh capacitance and oxygen reduction performance. Journal of Materials Chemistry A, 2017, 5, 2012-2020.	10.3	36
64	Hexagonal-Phase Cobalt Monophosphosulfide for Highly Efficient Overall Water Splitting. ACS Nano, 2017, 11, 11031-11040.	14.6	297
65	Switching charge transfer of C3N4/W18O49 from type-II to Z-scheme by interfacial band bending for highly efficient photocatalytic hydrogen evolution. Nano Energy, 2017, 40, 308-316.	16.0	346
66	Frontispiece: Molybdenum Carbideâ€Based Electrocatalysts for Hydrogen Evolution Reaction. Chemistry - A European Journal, 2017, 23, .	3.3	0
67	Formation of Niâ€"Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. Advanced Materials, 2017, 29, 1703870.	21.0	428
68	Selective Electrochemical Reduction of CO₂ to Ethylene on Nanopores-Modified Copper Electrodes in Aqueous Solution. ACS Applied Materials & Interfaces, 2017, 9, 32782-32789.	8.0	75
69	Highly Efficient and Durable Pd Hydride Nanocubes Embedded in 2D Amorphous NiB Nanosheets for Oxygen Reduction Reaction. Advanced Energy Materials, 2017, 7, 1700919.	19.5	84
70	Design of Efficient Bifunctional Oxygen Reduction/Evolution Electrocatalyst: Recent Advances and Perspectives. Advanced Energy Materials, 2017, 7, 1700544.	19.5	593
71	Unsupported Platinum-Based Electrocatalysts for Oxygen Reduction Reaction. ACS Energy Letters, 2017, 2, 2035-2043.	17.4	174
72	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. Energy and Environmental Science, 2016, 9, 2563-2570.	30.8	216

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73	General Formation of Mâ€“MoS₃ (M = Co, Ni) Hollow Structures with Enhanced Electrocatalytic Activity for Hydrogen Evolution. Advanced Materials, 2016, 28, 92-97.	21.0	364
74	Improving electron trans-inner membrane movements in microbial electrocatalysts. Chemical Communications, 2016, 52, 6292-6295.	4.1	14
75	Catalysis mechanisms of CO₂ and CO methanation. Catalysis Science and Technology, 2016, 6, 4048-4058.	4.1	316
76	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. Nano Energy, 2016, 30, 368-378.	16.0	229
77	Assembling pore-rich FeP nanorods on the CNT backbone as an advanced electrocatalyst for oxygen evolution. Journal of Materials Chemistry A, 2016, 4, 13005-13010.	10.3	82
78	Copperâ€Modified Gold Nanoparticles as Highly Selective Catalysts for Glycerol Electroâ€Oxidation in Alkaline Solution. ChemCatChem, 2016, 8, 3272-3278.	3.7	28
79	A metalâ€“organic framework-derived bifunctional oxygenÂelectrocatalyst. Nature Energy, 2016, 1, .	39.5	1,974
80	A review on noble-metal-free bifunctional heterogeneous catalysts for overall electrochemical water splitting. Journal of Materials Chemistry A, 2016, 4, 17587-17603.	10.3	1,037
81	Amino acid modified copper electrodes for the enhanced selective electroreduction of carbon dioxide towards hydrocarbons. Energy and Environmental Science, 2016, 9, 1687-1695.	30.8	290
82	Construction of Efficient 3D Gas Evolution Electrocatalyst for Hydrogen Evolution: Porous FeP Nanowire Arrays on Graphene Sheets. Advanced Science, 2015, 2, 1500120.	11.2	163
83	A Review of Phosphideâ€Based Materials for Electrocatalytic Hydrogen Evolution. Advanced Energy Materials, 2015, 5, 1500985.	19.5	707
84	A Flexible Electrode Based on Iron Phosphide Nanotubes for Overall Water Splitting. Chemistry - A European Journal, 2015, 21, 18062-18067.	3.3	228
85	Improving mediated electron transport in anodic bioelectrocatalysis. Chemical Communications, 2015, 51, 12170-12173.	4.1	28
86	Novel Molybdenum Carbideâ€“Tungsten Carbide Composite Nanowires and Their Electrochemical Activation for Efficient and Stable Hydrogen Evolution. Advanced Functional Materials, 2015, 25, 1520-1526.	14.9	325
87	Oneâ€Pot Synthesis of Ptâ€“Co Alloy Nanowire Assemblies with Tunable Composition and Enhanced Electrocatalytic Properties. Angewandte Chemie - International Edition, 2015, 54, 3797-3801.	13.8	407
88	Recent developments in electrode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 9353-9378.	10.3	413
89	Efficient and durable oxygen reduction and evolution of a hydrothermally synthesized La(Co_{0.55}Mn_{0.45})_{0.99}O_{3â^Î´} nanorod/graphene hybrid in alkaline media. Nanoscale, 2015, 7, 9046-9054.	5.6	86
90	Pd Nanoparticles on Carbon Nitrideâ€“Graphene for the Selective Electro-Oxidation of Glycerol in Alkaline Solution. ACS Catalysis, 2015, 5, 3174-3180.	11.2	80

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91	Selective electro-oxidation of glycerol over Au supported on extended poly(4-vinylpyridine) functionalized graphene. Applied Catalysis B: Environmental, 2015, 166-167, 25-31.	20.2	21
92	Enzymatic-reaction induced production of polydopamine nanoparticles for sensitive and visual sensing of urea. Analyst, The, 2015, 140, 449-455.	3.5	24
93	Vertically oriented MoS₂ and WS₂ nanosheets directly grown on carbon cloth as efficient and stable 3-dimensional hydrogen-evolving cathodes. Journal of Materials Chemistry A, 2015, 3, 131-135.	10.3	254
94	Pd Nanoparticles Supported on PDDA-Functionalized Ti4O7 as an Effective Catalyst for Formic Acid Electrooxidation. ECS Solid State Letters, 2014, 3, M37-M40.	1.4	4
95	Facile Synthesis of 3â€‰D Platinum Dendrites with a Clean Surface as Highly Stable Electrocatalysts. ChemCatChem, 2014, 6, 1538-1542.	3.7	8
96	Investigation of molybdenum carbide nano-rod as an efficient and durable electrocatalyst for hydrogen evolution in acidic and alkaline media. Applied Catalysis B: Environmental, 2014, 154-155, 232-237.	20.2	183
97	Recent Development of Molybdenum Sulfides as Advanced Electrocatalysts for Hydrogen Evolution Reaction. ACS Catalysis, 2014, 4, 1693-1705.	11.2	769
98	Oneâ€Pot Synthesis of Platinum Nanocubes on Reduced Graphene Oxide with Enhanced Electrocatalytic Activity. Small, 2014, 10, 2336-2339.	10.0	47
99	A review on the electrochemical reduction of CO2 in fuel cells, metal electrodes and molecular catalysts. Catalysis Today, 2014, 233, 169-180.	4.4	392
100	A CO₂-responsive surface with an amidine-terminated self-assembled monolayer for stimuli-induced selective adsorption. Chemical Communications, 2014, 50, 4003-4006.	4.1	23
101	Highly active Pd and Pdâ€“Au nanoparticles supported on functionalized graphene nanoplatelets for enhanced formic acid oxidation. RSC Advances, 2014, 4, 4028-4033.	3.6	57
102	Compressed hydrogen gas-induced synthesis of Auâ€“Pt coreâ€“shell nanoparticle chains towards high-performance catalysts for Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2014, 2, 10676-10681.	10.3	37
103	Graphene/NiO Nanowires: Controllable One-Pot Synthesis and Enhanced Pseudocapacitive Behavior. ACS Applied Materials & Interfaces, 2014, 6, 8246-8256.	8.0	106
104	Hybrid catalysts for photoelectrochemical reduction of carbon dioxide: a prospective review on semiconductor/metal complex co-catalyst systems. Journal of Materials Chemistry A, 2014, 2, 15228.	10.3	108
105	Effects of strain on PdZn(100) for methoxide decomposition: A DFT study. Journal of Molecular Catalysis A, 2014, 393, 296-301.	4.8	2
106	Dual-Phase Spinel MnCo₂O₄and Spinel MnCo₂O₄/Nanocarbon Hybrids for Electrocatalytic Oxygen Reduction and Evolution. ACS Applied Materials & Interfaces, 2014, 6, 12684-12691.	8.0	322
107	Fe-Based Metallopolymer Nanowall-Based Composites for Liâ€“O₂ Battery Cathode. ACS Applied Materials & Interfaces, 2014, 6, 7164-7170.	8.0	9
108	Hierarchical MoS₂microboxes constructed by nanosheets with enhanced electrochemical properties for lithium storage and water splitting. Energy and Environmental Science, 2014, 7, 3302-3306.	30.8	471

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109	Strategies on the Design of Nitrogen-Doped Graphene. Journal of Physical Chemistry Letters, 2014, 5, 119-125.	4.6	78
110	Molybdenum phosphide as an efficient electrocatalyst for the hydrogen evolution reaction. Energy and Environmental Science, 2014, 7, 2624-2629.	30.8	1,164
111	Recent progress on graphene-based hybrid electrocatalysts. Materials Horizons, 2014, 1, 379-399.	12.2	303
112	Sr1â˜'Ca MoO3â€“Gd0.2Ce0.8O1.9 as the anode in solid oxide fuel cells: Effects of Mo precipitation. Journal of Alloys and Compounds, 2014, 587, 326-331.	5.5	16
113	Strongly Coupled NiCo₂O₄â€rGO Hybrid Nanosheets as a Methanolâ€Tolerant Electrocatalyst for the Oxygen Reduction Reaction. Advanced Materials, 2014, 26, 2408-2412.	21.0	283
114	Novel tungsten carbide nanorods: An intrinsic peroxidase mimetic with high activity and stability in aqueous and organic solvents. Biosensors and Bioelectronics, 2014, 54, 521-527.	10.1	39
115	Facile synthesis of low crystalline MoS2 nanosheet-coated CNTs for enhanced hydrogen evolution reaction. Nanoscale, 2013, 5, 7768.	5.6	426
116	Highly Concave Platinum Nanoframes with Highâ€Index Facets and Enhanced Electrocatalytic Properties. Angewandte Chemie - International Edition, 2013, 52, 12337-12340.	13.8	193
117	Ultrathin MoS₂ Nanoplates with Rich Active Sites as Highly Efficient Catalyst for Hydrogen Evolution. ACS Applied Materials & Interfaces, 2013, 5, 12794-12798.	8.0	392
118	A 3D mesoporous polysulfoneâ€“carbon nanotube anode for enhanced bioelectricity output in microbial fuel cells. Chemical Communications, 2013, 49, 10754.	4.1	28
119	One-step dual template synthesis of platinum on mesoporous carbon nanowires for electrocatalysts. International Journal of Hydrogen Energy, 2013, 38, 2754-2759.	7.1	8
120	Enhanced deep-ultraviolet upconversion emission of Gd3+ sensitized by Yb3+ and Ho3+ in Î²-NaLuF4 microcrystals under 980 nm excitation. Journal of Materials Chemistry C, 2013, 1, 2485.	5.5	72
121	Water-Soluble Polymer Exfoliated Graphene: As Catalyst Support and Sensor. Journal of Physical Chemistry B, 2013, 117, 5606-5613.	2.6	43
122	Synthesis of Mesoporous Polyaniline (PANI)-Se_{0.5}Te_{0.5} Dual-Layer Film from Lyotropic Liquid Crystalline Template. Industrial & Engineering Chemistry Research, 2013, 52, 5072-5078.	3.7	5
123	Pd catalyst supported on a chitosan-functionalized large-area 3D reduced graphene oxide for formic acid electrooxidation reaction. Journal of Materials Chemistry A, 2013, 1, 6839.	10.3	47
124	Nano-tungsten carbide decorated graphene as co-catalysts for enhanced hydrogen evolution on molybdenum disulfide. Chemical Communications, 2013, 49, 4884.	4.1	175
125	General Formation of Complex Tubular Nanostructures of Metal Oxides for the Oxygen Reduction Reaction and Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2013, 52, 8643-8647.	13.8	194
126	Mesoporous ITO/NiO with a core/shell structure for supercapacitors. Nano Energy, 2013, 2, 1303-1313.	16.0	42

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127	Ultrathin and Ultralong Single-Crystal Platinum Nanowire Assemblies with Highly Stable Electrocatalytic Activity. Journal of the American Chemical Society, 2013, 135, 9480-9485.	13.7	425
128	One-Pot Synthesis of Cubic PtCu₃ Nanocages with Enhanced Electrocatalytic Activity for the Methanol Oxidation Reaction. Journal of the American Chemical Society, 2012, 134, 13934-13937.	13.7	581
129	Templateâ€Free Pseudomorphic Synthesis of Tungsten Carbide Nanorods. Small, 2012, 8, 3350-3356.	10.0	56
130	Nickel-complexes with a mixed-donor ligand for photocatalytic hydrogen evolution from aqueous solutions under visible light. RSC Advances, 2012, 2, 8293.	3.6	38
131	Hierarchically structured Pt/CNT@TiO₂nanocatalysts with ultrahigh stability for low-temperature fuel cells. RSC Advances, 2012, 2, 792-796.	3.6	41
132	Formation of Ptâ€“TiO₂â€“rGO 3-phase junctions with significantly enhanced electro-activity for methanol oxidation. Physical Chemistry Chemical Physics, 2012, 14, 473-476.	2.8	67
133	Fabrication of a mesoporous Co(OH)2/ITO nanowire composite electrode and its application in supercapacitors. RSC Advances, 2012, 2, 10512.	3.6	24
134	Excellent Durability of Substoichiometric Titanium Oxide As a Catalyst Support for Pd in Alkaline Direct Ethanol Fuel Cells. Industrial & Engineering Chemistry Research, 2012, 51, 9966-9972.	3.7	32
135	Effect of Pd-impregnation on performance, sulfur poisoning and tolerance of Ni/GDC anode of solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 10299-10310.	7.1	38
136	Methane reforming with carbon dioxide over a Ni/ZiO2â€“SiO2 catalyst: Influence of pretreatment gas atmospheres. International Journal of Hydrogen Energy, 2012, 37, 10135-10144.	7.1	66
137	Electrodeposition of mesoporous bilayers of polyaniline supported Cu2O semiconductor films from Lyotropic Liquid Crystalline phase. Chemical Engineering Science, 2012, 80, 452-459.	3.8	7
138	Partially oxidized titanium carbonitride as a non-noble catalyst for oxygen reduction reactions. International Journal of Hydrogen Energy, 2012, 37, 15135-15139.	7.1	28
139	H2 and CH4 oxidation on Gd0.2Ce0.8O1.9 infiltrated SrMoO3â€“yttria-stabilized zirconia anode for solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 18349-18356.	7.1	16
140	CO Adsorption Behavior on Decorated Pt@Au Nanoelectrocatalysts: A Combined Experimental and DFT Theoretical Calculation Study. Journal of Physical Chemistry C, 2012, 116, 3851-3856.	3.1	20
141	Electrodeposited Pt on three-dimensional interconnected graphene as a free-standing electrode for fuel cell application. Journal of Materials Chemistry, 2012, 22, 5286.	6.7	210
142	Review on Recent Progress in Nitrogen-Doped Graphene: Synthesis, Characterization, and Its Potential Applications. ACS Catalysis, 2012, 2, 781-794.	11.2	3,171
143	Hydrothermal preparation of carbon nanosheets and their supercapacitive behavior. Journal of Materials Chemistry, 2012, 22, 11458.	6.7	18
144	Selfâ€Supported Interconnected Pt Nanoassemblies as Highly Stable Electrocatalysts for Lowâ€Temperature Fuel Cells. Angewandte Chemie - International Edition, 2012, 51, 7213-7216.	13.8	211

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145	Sandwich-structured TiO2â€“Ptâ€“graphene ternary hybrid electrocatalysts with high efficiency and stability. Journal of Materials Chemistry, 2012, 22, 16499.	6.7	112
146	Imparting functionality to a metalâ€“organic framework material by controlled nanoparticle encapsulation. Nature Chemistry, 2012, 4, 310-316.	13.6	1,857
147	CO2 reforming of dimethyl ether over Ni/Î³-Al2O3 catalyst. Catalysis Communications, 2012, 17, 49-53.	3.3	9
148	Ethanol electro-oxidation activity of Nb-doped-TiO2 supported PdAg catalysts in alkaline media. Applied Catalysis B: Environmental, 2012, 113-114, 261-270.	20.2	72
149	Nanoporous platinum grown on nickel foam by facile plasma reduction with enhanced electro-catalytic performance. Electrochemistry Communications, 2012, 18, 33-36.	4.7	11
150	Increasing intracellular releasable electrons dramatically enhances bioelectricity output in microbial fuel cells. Electrochemistry Communications, 2012, 19, 13-16.	4.7	60
151	Dual-template synthesis of Co(OH)2 with mesoporous nanowire structure and its application in supercapacitor. Journal of Power Sources, 2012, 201, 382-386.	7.8	169
152	Aryl/hetero-arylethyne bridged dyes: the effect of planar Ï€-bridge on the performance of dye-sensitized solar cells. New Journal of Chemistry, 2011, 35, 127-136.	2.8	40
153	Interface-facilitated hydrothermal synthesis of sub-micrometre graphitic carbon plates. Journal of Materials Chemistry, 2011, 21, 15197.	6.7	14
154	Promoted aerobic oxidation of benzyl alcohol on CNT supported platinum by iron oxide. Chemical Communications, 2011, 47, 7473.	4.1	64
155	High-yield synthesis of ultrathin silica-based nanosheets and their superior catalytic activity in H2O2 decomposition. Chemical Communications, 2011, 47, 6135.	4.1	24
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