

Pei Kang Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/595579/publications.pdf>

Version: 2024-02-01

265
papers

16,978
citations

13099

68
h-index

20961

115
g-index

267
all docs

267
docs citations

267
times ranked

16142
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development of Au arched Pt nanomaterials as promising electrocatalysts for methanol oxidation reaction. <i>Nano Research</i> , 2022, 15, 18-37.	10.4	58
2	Shell-thickness-dependent Pd@PtNi core-shell nanosheets for efficient oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2022, 427, 131565.	12.7	38
3	Gram-Scale production of Cu ₃ P-Cu ₂ O Janus nanoparticles into nitrogen and phosphorous doped porous carbon framework as bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 427, 130946.	12.7	88
4	Fe and Co dual-doped Ni ₃ S ₄ nanosheet with enriched high-valence Ni sites for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 427, 130742.	12.7	59
5	Enhanced oxygen reduction and methanol oxidation reaction over self-assembled Pt-M (M=Co, Ni) nanoflowers. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1411-1423.	9.4	26
6	Ni activated Mo ₂ C nanoparticles supported on stereotaxically-constructed graphene for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 761-771.	7.1	22
7	Ultrahighly nitrogen-doped hollow carbon spheres with hierarchical pores for highly reversible lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2022, 6, 320-328.	4.9	7
8	MoP-Mo ₂ C quantum dot heterostructures uniformly hosted on a heteroatom-doped 3D porous carbon sheet network as an efficient bifunctional electrocatalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 431, 133719.	12.7	64
9	Ru doping NiCoP hetero-nanowires with modulated electronic structure for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 213-220.	9.4	27
10	Boosting Electrocatalytic Activity of Single Atom Catalysts Supported on Nitrogen-Doped Carbon through N Coordination Environment Engineering. <i>Small</i> , 2022, 18, e2105329.	10.0	78
11	Designing highly efficient 3D porous Ni-Fe sulfide nanosheets based catalyst for the overall water splitting through component regulation. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 422-432.	9.4	37
12	A novel in-situ strategy develops for Mo ₂ C nanoparticles incorporated on N, P co-doped stereotaxically carbon as efficient electrocatalyst for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15969-15981.	7.1	10
13	Bottom-up synthesis of few-layered graphene powders and their applications as efficient lubricating and electromagnetic shielding additives. <i>FlatChem</i> , 2022, 33, 100375.	5.6	8
14	Efficient carbon dioxide electroreduction over rationally designed heterogeneous Ag ₂ S-Au nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 1172-1180.	9.4	9
15	A bifunctional interlayer fabricated by FeS ₂ -embedded N-doped carbon nanocages with efficient polysulfide trapping-catalyzing capability for robust Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 447, 137433.	12.7	13
16	Amorphous metallic ultrathin nanostructures: A latent ultra-high-density atomic-level catalyst for electrochemical energy conversion. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26956-26977.	7.1	35
17	ZIF@Mg(OH) ₂ Dual Template Assisted Self-Confinement of Small PtCo NPs as Promising Oxygen Reduction Reaction in PEM Fuel Cell. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	24
18	Robust, Conductive, and High Loading Fiber-Shaped Electrodes Fabricated by 3D Active Coating for Flexible Energy Storage Devices. <i>Nano Letters</i> , 2022, 22, 5795-5802.	9.1	9

#	ARTICLE	IF	CITATIONS
19	Nitrogen and phosphorous co-doped carbon nanotubes embedded via active Ni ₂ P nanoparticles as an advanced in-situ generated electrocatalyst for water oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2022, 920, 116619.	3.8	11
20	Highly stable cathodes for proton exchange membrane fuel cells: Novel carbon supported Au@PtNiAu concave octahedral core-shell nanocatalyst. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 1040-1050.	9.4	6
21	CO tolerance and durability study of PtMe(Me=Alr or Pd) electrocatalysts for H ₂ -PEMFC application. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13865-13877.	7.1	16
22	Electrocatalytic reduction of nitrogen on FeAg/Si for ammonia synthesis: A simple strategy for continuous regulation of faradaic efficiency by controlling H ⁺ ions transfer rate. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119606.	20.2	21
23	Highly stable Pt-Co nanodendrite in nanoframe with Pt skin structured catalyst for oxygen reduction electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119460.	20.2	105
24	Black potassium titanate nanobelts: Ultrafast and durable aqueous redox electrolyte energy storage. <i>Journal of Power Sources</i> , 2021, 483, 229140.	7.8	5
25	Hierarchically skeletal multi-layered Pt-Ni nanocrystals for highly efficient oxygen reduction and methanol oxidation reactions. <i>Chinese Journal of Catalysis</i> , 2021, 42, 648-657.	14.0	48
26	A flexible and conductive MXene-coated fabric integrated with <i>in situ</i> sulfur loaded MXene nanosheets for long-life rechargeable Li-S batteries. <i>Nanoscale</i> , 2021, 13, 2963-2971.	5.6	15
27	Facile One-Pot Synthesis of a PtRh Alloy Decorated on Ag Nanocubes as a Trimetallic Core-Shell Catalyst for Boosting Methanol Oxidation Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 1085-1092.	5.1	18
28	Porous nanosheets of Cu ₃ P@N,P co-doped carbon hosted on copper foam as an efficient and ultrastable pH-universal hydrogen evolution electrocatalyst. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2451-2457.	4.9	10
29	Catalyst Materials for Oxygen Reduction Reaction. , 2021, , 85-182.		0
30	Ultrathin Co ₃ O ₄ @Pt core-shell nanoparticles coupled with three-dimensional graphene for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10303-10311.	7.1	11
31	Large-scale Synthesis of Porous Pt Nanospheres /Three-dimensional Graphene Hybrid Materials as a Highly Active and Stable Electrocatalyst for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2021, 6, 2080-2084.	1.5	1
32	Graphene Nanosphere as Advanced Electrode Material to Promote High Performance Symmetrical Supercapacitor. <i>Small</i> , 2021, 17, e2007915.	10.0	56
33	High performance lithium-sulfur batteries based on CoP nanoparticle-embedded nitrogen-doped carbon nanotube hollow polyhedra. <i>Journal of Electroanalytical Chemistry</i> , 2021, 885, 114996.	3.8	17
34	Advanced Aqueous Zinc-Ion Batteries Enabled by 3D Ternary MnO/Reduced Graphene Oxide/Multiwall Carbon Nanotube Hybrids. <i>Energy Technology</i> , 2021, 9, 2100022.	3.8	11
35	Highly efficient PtCo nanoparticles on Co-Ni-C nanorods with hierarchical pore structure for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15991-16002.	7.1	26
36	Toward a High-Energy-Density Cathode with Enhanced Temperature Adaptability for Sodium-Ion Batteries: A Case Study of Na ₃ MnZr(PO ₄) ₃ Microspheres with Embedded Dual-Carbon Networks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21390-21400.	8.0	27

#	ARTICLE	IF	CITATIONS
37	N, S, P co-doped graphene-like carbon nanosheets developed via in situ engineering strategy of carbon pz-orbitals for highly efficient oxygen redox reaction. <i>FlatChem</i> , 2021, 27, 100250.	5.6	14
38	High-capacity and high-rate Ni-Fe batteries based on mesostructured quaternary carbon/Fe/FeO/Fe ₃ O ₄ hybrid material. <i>IScience</i> , 2021, 24, 102547.	4.1	15
39	N, S Codoped Carbon Matrix-Encapsulated Co ₉ S ₈ Nanoparticles as a Highly Efficient and Durable Bifunctional Oxygen Redox Electrocatalyst for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101249.	19.5	102
40	Emerging artificial nitrogen cycle processes through novel electrochemical and photochemical synthesis. <i>Materials Today</i> , 2021, 46, 212-233.	14.2	104
41	Electricity generation from ionic solution flowing through packed three-dimensional graphene powders. <i>Nanotechnology</i> , 2021, 32, 355401.	2.6	6
42	Nitrogen and Phosphate Co-doped Graphene as Efficient Bifunctional Electrocatalysts by Precursor Modulation Strategy for Oxygen Reduction and Evolution Reactions. <i>ChemElectroChem</i> , 2021, 8, 3262-3272.	3.4	9
43	Hollow Graphene Fibers with Archimedean-Type Spirals for Flexible and Wearable Electronics. <i>ACS Applied Nano Materials</i> , 2021, 4, 6985-6994.	5.0	5
44	Ni-MoO ₂ nanoparticles heterojunction loaded on stereotaxically-constructed graphene for high-efficiency overall water splitting. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115555.	3.8	13
45	Using silkworm excrement and spent lead paste to prepare additives for improving the cycle life of lead-acid batteries. <i>Journal of Energy Storage</i> , 2021, 41, 102785.	8.1	16
46	Heterogeneous NiFeCoP/NF Nanorods as a Bifunctional Electrocatalyst for Efficient Water Electrolysis. <i>ChemCatChem</i> , 2021, 13, 4602-4609.	3.7	13
47	Enhanced electrocatalytic overall water splitting over novel one-pot synthesized Ru-MoO ₃ - and Fe ₃ O ₄ -NiFe layered double hydroxide on Ni foam. <i>Renewable Energy</i> , 2021, 177, 1346-1355.	8.9	26
48	Hyperbranched concave octahedron of PtIrCu nanocrystals with high-index facets for efficiently electrochemical ammonia oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 1-11.	9.4	22
49	Hollow porous carbon spheres for high initial coulombic efficiency and low-potential sodium ion storage. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 168-177.	9.4	22
50	A facile strategy synthesized PtRhNi truncated triangle nanoflakes with PtRh-rich surface as highly active and stable bifunctional catalysts for direct methanol fuel cells. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 894-902.	9.4	10
51	Preparation of the Catalysts. , 2021, , 183-214.		0
52	Atomic Scale Mechanisms of Multimode Oxide Growth on Nickel-Chromium Alloy: Direct <i>in Situ</i> Observation of the Initial Oxide Nucleation and Growth. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1903-1913.	8.0	8
53	One-dimensional core-shell motif nanowires with chemically-bonded transition metal sulfide-carbon heterostructures for efficient sodium-ion storage. <i>Chemical Science</i> , 2021, 12, 15054-15060.	7.4	23
54	Electronic modulation of cobalt phosphide nanosheet arrays via copper doping for highly efficient neutral-pH overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118555.	20.2	172

#	ARTICLE	IF	CITATIONS
55	Nonprecious metal's graphene-supported electrocatalysts for hydrogen evolution reaction: Fundamentals to applications. , 2020, 2, 99-121.		137
56	A facile and cost effective synthesis of nitrogen and fluorine Co-doped porous carbon for high performance Sodium ion battery anode material. Journal of Power Sources, 2020, 448, 227568.	7.8	30
57	Highly efficient Pt-Co alloy hollow spheres with ultra-thin shells synthesized via Co-B-O complex as intermediates for hydrogen evolution reaction. Journal of Catalysis, 2020, 381, 385-394.	6.2	23
58	Boosting the photocatalytic activity of mesoporous SrTiO ₃ for nitrogen fixation through multiple defects and strain engineering. Journal of Materials Chemistry A, 2020, 8, 22251-22256.	10.3	28
59	MnS@N,S Co-doped Carbon Core/Shell Nanocubes: Sulfur-Bridged Bonds Enhanced Na-storage Properties Revealed by In Situ Raman Spectroscopy and Transmission Electron Microscopy. Small, 2020, 16, e2003001.	10.0	42
60	Cation-adsorption-assisted Ni ₃ S ₂ /carbon nanowalls composites with three-dimensional interconnected porous structures for high-performance lithium-ion battery anodes. Journal of Materials Science, 2020, 55, 17081-17093.	3.7	7
61	Ultrathin-shell IrCo hollow nanospheres as highly efficient electrocatalysts towards the oxygen evolution reaction in acidic media. Nanoscale, 2020, 12, 24070-24078.	5.6	23
62	Facile one-step in-situ encapsulation of non-noble metal Co ₂ P nanoparticles embedded into B, N, P tri-doped carbon nanotubes for efficient hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 24312-24321.	7.1	26
63	Novel Bi-doped Amorphous SnO _x Nanoshells for Efficient Electrochemical CO ₂ Reduction into Formate at Low Overpotentials. Advanced Materials, 2020, 32, e2002822.	21.0	104
64	Ultrathin PtCo nanorod assemblies with self-optimized surface for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2020, 870, 114194.	3.8	19
65	Recent Progress in Graphene-Based Nanostructured Electrocatalysts for Overall Water Splitting. Electrochemical Energy Reviews, 2020, 3, 370-394.	25.5	90
66	Rational Design and Synthesis of Hierarchical Porous Mn-N-C Nanoparticles with Atomically Dispersed Mn Moieties for Highly Efficient Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 9367-9376.	6.7	43
67	Electrocatalytic production of ammonia: Biomimetic electrode-electrolyte design for efficient electrocatalytic nitrogen fixation under ambient conditions. Applied Catalysis B: Environmental, 2020, 271, 118919.	20.2	55
68	In situ molecular-level synthesis of N, S co-doped carbon as efficient metal-free oxygen redox electrocatalysts for rechargeable Zn-Air batteries. Applied Materials Today, 2020, 20, 100737.	4.3	22
69	One-Pot Fabrication of Site-Selective Hexapod PtPdCu Concave Rhombic Dodecahedrons as Highly Efficient Catalysts for Electrocatalysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 1520-1526.	6.7	27
70	Membrane and electrode engineering of high-performance lithium-sulfur batteries modified by stereotaxically-constructed graphene. Journal of Alloys and Compounds, 2020, 834, 155096.	5.5	19
71	Template-free growth of spherical vanadium disulfide nanoflowers as efficient anodes for sodium/potassium ion batteries. Materials and Design, 2020, 192, 108780.	7.0	29
72	Molybdenum-modified and vertex-reinforced quaternary hexapod nano-skeletons as efficient electrocatalysts for methanol oxidation and oxygen reduction reaction. Applied Catalysis B: Environmental, 2019, 258, 117974.	20.2	40

#	ARTICLE	IF	CITATIONS
73	Excavated and dendritic Pt-Co nanocubes as efficient ethylene glycol and glycerol oxidation electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117951.	20.2	48
74	The controllable growth of PtCuRh rhombic dodecahedral nanoframes as efficient catalysts for alcohol electrochemical oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18619-18625.	10.3	36
75	Three-dimensional, hetero-structured, Cu ₃ P@C nanosheets with excellent cycling stability as Na-ion battery anode material. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16999-17007.	10.3	71
76	Highly Efficient Multifunctional Co-N-C Electrocatalysts with Synergistic Effects of Co-N Moieties and Co Metallic Nanoparticles Encapsulated in a N-Doped Carbon Matrix for Water-Splitting and Oxygen Redox Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39809-39819.	8.0	80
77	The Effects of Pore Size on Electrical Performance in Lithium-Thionyl Chloride Batteries. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	13
78	One-pot preparation of Ni ₃ S ₂ @3-D graphene free-standing electrode by simple Q-CVD method for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30806-30819.	7.1	17
79	Electricity Generation from Capillary-Driven Ionic Solution Flow in a Three-Dimensional Graphene Membrane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4922-4929.	8.0	57
80	Synthesis and characterization of activated 3D graphene via catalytic growth and chemical activation for electrochemical energy storage in supercapacitors. <i>Electrochimica Acta</i> , 2019, 324, 134878.	5.2	32
81	Recent advances in graphene-based platinum and palladium electrocatalysts for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22189-22217.	10.3	100
82	Self-assembled and well separated B and N co-doped hierarchical carbon structures as high-capacity, ultra-stable, LIB anode materials. <i>Sustainable Energy and Fuels</i> , 2019, 3, 478-487.	4.9	6
83	NiCo ₂ S ₄ nanocores in-situ encapsulated in graphene sheets as anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 364, 167-176.	12.7	68
84	Boosting the volumetric energy of supercapacitors using polytetrafluoroethylene pyrolysis gas. <i>Journal of Power Sources</i> , 2019, 414, 76-85.	7.8	16
85	Bifunctional catalysts for overall water splitting: CoNi oxyhydroxide nanosheets electrodeposited on titanium sheets. <i>Electrochimica Acta</i> , 2019, 301, 449-457.	5.2	70
86	Cross-double dumbbell-like Pt-Ni nanostructures with enhanced catalytic performance toward the reactions of oxygen reduction and methanol oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 277-283.	20.2	145
87	Graphitized carbon nanocages/palladium nanoparticles: Sustainable preparation and electrocatalytic performances towards ethanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6172-6181.	7.1	27
88	Remarkable enhancement in the electrochemical activity of maricite NaFePO ₄ on high-surface-area carbon cloth for sodium-ion batteries. <i>Carbon</i> , 2019, 146, 78-87.	10.3	60
89	Ultrahigh energy density asymmetric electrochemical capacitors based on flower-like ZnO/Co ₃ O ₄ nanobundle arrays and stereotaxically constricted graphene. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1273-1280.	10.3	45
90	Spinel NiCo ₂ O ₄ 3-D nanoflowers supported on graphene nanosheets as efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16120-16131.	7.1	99

#	ARTICLE	IF	CITATIONS
91	Controllable preparation of nitrogen-doped graphitized carbon from molecular precursor as non-metal oxygen evolution reaction electrocatalyst. <i>Applied Surface Science</i> , 2019, 491, 723-734.	6.1	24
92	Bimetallic Ni ²⁺ /Co phosphide nanosheets self-supported on nickel foam as high-performance electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 317, 191-198.	5.2	69
93	Chestnut-like copper cobalt phosphide catalyst for all-pH hydrogen evolution reaction and alkaline water electrolysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14271-14279.	10.3	67
94	Worm-like S-doped RhNi alloys as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117737.	20.2	61
95	Manganese oxide(α - Fe_2O_3)/carbon hybrids with interesting morphologies as improved active materials for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13623-13631.	7.1	12
96	A Facile Method to Synthesize Pt ²⁺ /Ni Octahedral Nanoparticles with Porous and Open Structure Features for Enhanced Oxygen Reduction Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8109-8116.	6.7	14
97	Facile synthesis of bimetallic Pt-Pd symmetry-broken concave nanocubes and their enhanced activity toward oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 49-56.	20.2	62
98	Molecular-level design of Fe-N-C catalysts derived from Fe-dual pyridine coordination complexes for highly efficient oxygen reduction. <i>Journal of Catalysis</i> , 2019, 372, 245-257.	6.2	56
99	Cu ₂ S@Cu ₃ P Nanowire Arrays Self-Supported on Copper Foam as Boosting Electrocatalysts for Hydrogen Evolution. <i>Energy Technology</i> , 2019, 7, 1800993.	3.8	20
100	One-Pot Synthesis of Pt ²⁺ /Pd Bimetallic Nanodendrites with Enhanced Electrocatalytic Activity for Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8419-8428.	6.7	37
101	General Strategy To Synthesize Highly Dense Metal Oxide Quantum Dots-Anchored Nitrogen-Rich Graphene Compact Monoliths To Enable Fast and High-Stability Volumetric Lithium/Sodium Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 3500-3512.	5.1	26
102	P-doped CNTs encapsulated nickel hybrids with flower-like structure as efficient catalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 298, 142-149.	5.2	41
103	Carbon-Encapsulated Electrocatalysts for the Hydrogen Evolution Reaction. <i>Electrochemical Energy Reviews</i> , 2019, 2, 105-127.	25.5	136
104	In-situ encapsulating FeS/Fe ₃ C nanoparticles into nitrogen-sulfur dual-doped graphene networks for high-rate and ultra-stable lithium storage. <i>Journal of Alloys and Compounds</i> , 2019, 779, 193-201.	5.5	26
105	Self-Assembled Nanofiber Networks of Well-Separated B and N Codoped Carbon as Pt Supports for Highly Efficient and Stable Oxygen Reduction Electrocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 660-668.	6.7	26
106	Trimetallic Hollow Pt ²⁺ /Ni ²⁺ /Co Nanodendrites as Efficient Anodic Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 961-965.	5.1	19
107	One-step growth of nitrogen-decorated iron ²⁺ /nickel sulfide nanosheets for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5592-5597.	10.3	55
108	One-step solid state synthesis of PtCo nanocubes/graphene nanocomposites as advanced oxygen reduction reaction electrocatalysts. <i>Journal of Catalysis</i> , 2018, 362, 85-93.	6.2	29

#	ARTICLE	IF	CITATIONS
109	Simultaneous formation of trimetallic Pt-Ni-Cu excavated rhombic dodecahedrons with enhanced catalytic performance for the methanol oxidation reaction. <i>Nano Research</i> , 2018, 11, 4786-4795.	10.4	58
110	One-pot synthesized boron-doped RhFe alloy with enhanced catalytic performance for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 58-64.	20.2	112
111	Three-dimensional graphene sheets with NiO nanobelt outgrowths for enhanced capacity and long term high rate cycling Li-ion battery anode material. <i>Journal of Power Sources</i> , 2018, 379, 362-370.	7.8	53
112	Metal-free mesoporous carbon with higher contents of active N and S codoping by template method for superior ORR efficiency to Pt/C. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3705-3715.	7.1	52
113	Mo- and Fe-Modified Ni(OH) ₂ /NiOOH Nanosheets as Highly Active and Stable Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 2359-2363.	11.2	290
114	Self-assembled superstructure of carbon-wrapped, single-crystalline Cu ₃ P porous nanosheets: One-step synthesis and enhanced Li-ion battery anode performance. <i>Energy Storage Materials</i> , 2018, 15, 75-81.	18.0	75
115	N-Doped Porous Molybdenum Carbide Nanobelts as Efficient Catalysts for Hydrogen Evolution Reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 533-540.	20.2	358
116	In situ carbon nanotube clusters grown from three-dimensional porous graphene networks as efficient sulfur hosts for high-rate ultra-stable Li-S batteries. <i>Nano Research</i> , 2018, 11, 1731-1743.	10.4	45
117	Solid Synthesis of Ultrathin Palladium and Its Alloys' Nanosheets on RGO with High Catalytic Activity for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 910-919.	11.2	56
118	High-performance yttrium-iron alloy doped Pt-free catalysts on graphene for hydrogen evolution. <i>RSC Advances</i> , 2018, 8, 40866-40872.	3.6	1
119	Ultrathin porous Bi ₅ O ₇ X (X = Cl, Br, I) nanotubes for effective solar desalination. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20037-20043.	10.3	24
120	Atomic Platinum Skin under Synergy of Cobalt for Enhanced Methanol Oxidation Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43716-43722.	8.0	17
121	Hierarchically Ordered Nanochannel Array Membrane Reactor with Three-Dimensional Electrocatalytic Interfaces for Electrohydrogenation of CO ₂ to Alcohol. <i>ACS Energy Letters</i> , 2018, 3, 2649-2655.	17.4	11
122	Vertex-Type Engineering of Pt-Cu-Rh Heterogeneous Nanocages for Highly Efficient Ethanol Electrooxidation. <i>Advanced Materials</i> , 2018, 30, e1804074.	21.0	98
123	Rational Design of Na ₄ Fe ₃ (PO ₄) ₂ (P ₂ O ₇) Nanoparticles Embedded in Graphene: Toward Fast Sodium Storage Through the Pseudocapacitive Effect. <i>ACS Applied Energy Materials</i> , 2018, 1, 6268-6278.	5.1	37
124	Two-step etching fabrication of tunable ternary rhombic dodecahedral nanoframes for enhanced oxygen reduction electrocatalysis. <i>Journal of Power Sources</i> , 2018, 406, 42-49.	7.8	27
125	Self-Assembled 3D Hierarchical Porous Hybrid as Platinum-Like Bifunctional Nonprecious Metal Catalyst toward Oxygen Reduction Reaction and Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801296.	3.7	5
126	Ultra-high surface area graphitic Fe-N-C nanospheres with single-atom iron sites as highly efficient non-precious metal bifunctional catalysts towards oxygen redox reactions. <i>Journal of Catalysis</i> , 2018, 368, 279-290.	6.2	105

#	ARTICLE	IF	CITATIONS
127	High-Performance Asymmetric Supercapacitor Based on Hierarchical NiMn ₂ O ₄ @CoS Core-Shell Microspheres and Stereotaxically Constricted Graphene. ACS Sustainable Chemistry and Engineering, 2018, 6, 16933-16940.	6.7	65
128	Facile Fabrication of Radial PtCo Nanodendrites for Enhanced Methanol Oxidation Electrocatalysis. ACS Applied Nano Materials, 2018, 1, 5019-5026.	5.0	26
129	Pt Ni alloy hyperbranched nanostructures with enhanced catalytic performance towards oxygen reduction reaction. International Journal of Hydrogen Energy, 2018, 43, 18436-18443.	7.1	19
130	Highly stable and efficient non-precious metal electrocatalysts of Mo-doped NiOOH nanosheets for oxygen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 12140-12145.	7.1	26
131	Carbon-Encapsulated WO _x Hybrids as Efficient Catalysts for Hydrogen Evolution. Advanced Materials, 2018, 30, e1705979.	21.0	140
132	Hierarchical NiO nanobelt film array as an anode for lithium-ion batteries with enhanced electrochemical performance. RSC Advances, 2018, 8, 26589-26595.	3.6	21
133	Low temperature synthesis of polyhedral hollow porous carbon with high rate capability and long-term cycling stability as Li-ion and Na-ion battery anode material. Journal of Power Sources, 2018, 398, 149-158.	7.8	22
134	A novel boron and nitrogen co-doped three-dimensional porous graphene sheet framework as high performance Li-ion battery anode material. Inorganic Chemistry Communication, 2018, 96, 159-164.	3.9	29
135	Asymmetric 3d Electronic Structure for Enhanced Oxygen Evolution Catalysis. ACS Applied Materials & Interfaces, 2018, 10, 23131-23139.	8.0	57
136	One-step synthesis of Ni ₃ S ₂ nanowires at low temperature as efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 7136-7142.	7.1	61
137	Three-dimensional porous MoNi ₄ networks constructed by nanosheets as bifunctional electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2017, 5, 2508-2513.	10.3	122
138	Tantalum Carbide Doped by Fluorine as Non-precious Metal Anodic Electrocatalyst Superior to Pt/C for Glycerol-Oxidation. Electrochimica Acta, 2017, 227, 267-274.	5.2	16
139	Ternary Pt ₉ RhFe _x Nanoscale Alloys as Highly Efficient Catalysts with Enhanced Activity and Excellent CO-Poisoning Tolerance for Ethanol Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 9584-9591.	8.0	57
140	Highly stable and efficient non-precious metal electrocatalysts of tantalum dioxyfluoride used for the oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 8287-8291.	10.3	29
141	Nitrogen and fluorine dual-doped porous graphene-nanosheets as efficient metal-free electrocatalysts for hydrogen-evolution in acidic media. Catalysis Science and Technology, 2017, 7, 2228-2235.	4.1	37
142	Bifunctional porous non-precious metal WO ₂ hexahedral networks as an electrocatalyst for full water splitting. Journal of Materials Chemistry A, 2017, 5, 9655-9660.	10.3	72
143	K _{0.4} TaO _{2.4} F _{0.6} Nanocubes as Highly Efficient Noble Metal-Free Electrocatalysts for Hydrogen Evolution Reaction in Acidic Media. Electrochimica Acta, 2017, 245, 193-200.	5.2	6
144	Heteroatoms dual doped porous graphene nanosheets as efficient bifunctional metal-free electrocatalysts for overall water-splitting. Journal of Materials Chemistry A, 2017, 5, 7784-7790.	10.3	95

#	ARTICLE	IF	CITATIONS
145	Ultra-high capacity and superior stability of three-dimensional porous graphene networks containing in situ grown carbon nanotube clusters as an anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7595-7602.	10.3	42
146	Sulfur impregnated N, P co-doped hierarchical porous carbon as cathode for high performance Li-S batteries. <i>Journal of Power Sources</i> , 2017, 341, 165-174.	7.8	157
147	Facile synthesis of a molybdenum phosphide (MoP) nanocomposite Pt support for high performance methanol oxidation. <i>Catalysis Science and Technology</i> , 2017, 7, 5974-5981.	4.1	28
148	Bimetallic PtAg alloyed nanoparticles and 3-D mesoporous graphene nanosheet hybrid architectures for advanced oxygen reduction reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23158-23169.	10.3	34
149	Templated and Catalytic Fabrication of N-Doped Hierarchical Porous Carbon@Carbon Nanotube Hybrids as Host for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33876-33886.	8.0	66
150	High-Quality and Deeply Excavated Pt ₃ Co Nanocubes as Efficient Catalysts for Liquid Fuel Electrooxidation. <i>Chemistry of Materials</i> , 2017, 29, 9613-9617.	6.7	67
151	Concave Platinum-Copper Octopod Nanoframes Bounded with Multiple High-Index Facets for Efficient Electrooxidation Catalysis. <i>ACS Nano</i> , 2017, 11, 11946-11953.	14.6	167
152	Atomic-Scale Preparation of Octopod Nanoframes with High-Index Facets as Highly Active and Stable Catalysts. <i>Advanced Materials</i> , 2017, 29, .	21.0	89
153	PtRh alloys on hybrid TiO ₂ @Carbon support as high efficiency catalyst for ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24689-24696.	7.1	17
154	Unravelling the promoting effect of the ultrathin TaC/RGO nanosheet hybrid for enhanced catalytic activity of Pd nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 7086-7093.	4.1	14
155	Fluorine-Doped and Partially Oxidized Tantalum Carbides as Nonprecious Metal Electrocatalysts for Methanol Oxidation Reaction in Acidic Media. <i>Advanced Materials</i> , 2016, 28, 2163-2169.	21.0	63
156	Porous MoO ₂ Nanosheets as Non-noble Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials</i> , 2016, 28, 3785-3790.	21.0	729
157	Structurally confined ultrafine NiO nanoparticles on graphene as a highly efficient and durable electrode material for supercapacitors. <i>RSC Advances</i> , 2016, 6, 51356-51366.	3.6	17
158	Ranunculus flower-like Ni(OH) ₂ @Mn ₂ O ₃ as a high specific capacitance cathode material for alkaline supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7591-7595.	10.3	55
159	Ultrasmall molybdenum carbide nanocrystals coupled with reduced graphene oxide supported Pt nanoparticles as enhanced synergistic catalyst for methanol oxidation reaction. <i>Electrochimica Acta</i> , 2016, 216, 295-303.	5.2	15
160	Ultrathin PtCu hexapod nanocrystals with enhanced catalytic performance for electro-oxidation reactions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13425-13430.	10.3	57
161	Exterior and small carbide particle promoted platinum electrocatalyst for efficient methanol oxidation. <i>RSC Advances</i> , 2016, 6, 66665-66671.	3.6	6
162	Crumpled nitrogen- and boron-dual-self-doped graphene sheets as an extraordinary active anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14155-14162.	10.3	32

#	ARTICLE	IF	CITATIONS
163	Small size Mo ₂ C nanocrystal coupled with reduced graphene oxide enhance the electrochemical activity of palladium nanoparticles towards methanol oxidation reaction. <i>Catalysis Science and Technology</i> , 2016, 6, 7316-7322.	4.1	16
164	Well-defined PtNiCo core-shell nanodendrites with enhanced catalytic performance for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18015-18021.	10.3	70
165	Dye functionalized carbon nanotubes for photoelectrochemical water splitting – role of inner tubes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2473-2483.	10.3	27
166	Nitrogen-Doped Carbon-Encapsulated SnO ₂ @Sn Nanoparticles Uniformly Grafted on Three-Dimensional Graphene-like Networks as Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 197-207.	8.0	84
167	Hydrogen evolution reaction in acidic media on single-crystalline titanium nitride nanowires as an efficient non-noble metal electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3673-3677.	10.3	109
168	Facile synthesis of boron and nitrogen-dual-doped graphene sheets anchored platinum nanoparticles for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016, 194, 276-282.	5.2	41
169	A cost effective, highly porous, manganese oxide/carbon supercapacitor material with high rate capability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5390-5394.	10.3	56
170	Monodisperse and self-assembled Pt-Cu nanoparticles as an efficient electrocatalyst for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1579-1585.	10.3	148
171	Magnéli phase Ti ₈ O ₁₅ nanowires as conductive carbon-free energy materials to enhance the electrochemical activity of palladium nanoparticles for direct ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14416-14423.	10.3	29
172	Direct anchoring of platinum nanoparticles on nitrogen and phosphorus-dual-doped carbon nanotube arrays for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2015, 158, 374-382.	5.2	40
173	FeN stabilized FeN@Pt core-shell nanostructures for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4462-4469.	10.3	37
174	Si doped highly crystalline mesoporous In ₂ O ₃ nanowires: synthesis, characterization and ultra-high response to NO _x at room temperature. <i>RSC Advances</i> , 2015, 5, 15515-15523.	3.6	20
175	Direct synthesis of pure single-crystalline Magnéli phase Ti ₈ O ₁₅ nanowires as conductive carbon-free materials for electrocatalysis. <i>Nanoscale</i> , 2015, 7, 2856-2861.	5.6	32
176	Facial synthesis of porous hematite supported Pt catalyst and its photo enhanced electrocatalytic ethanol oxidation performance. <i>Electrochimica Acta</i> , 2015, 168, 104-110.	5.2	17
177	Ultrasml metal oxide nanoparticles anchored on three-dimensional hierarchical porous graphene-like networks as anode for high-performance lithium ion batteries. <i>Nano Energy</i> , 2015, 13, 563-572.	16.0	78
178	Direct growth of urchin-like ZnCo ₂ O ₄ microspheres assembled from nanowires on nickel foam as high-performance electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2015, 169, 202-209.	5.2	149
179	Carbon Nanotubes Supported Pd Nanoparticles for Alcohol Oxidations in Fuel Cells: Effect of Number of Nanotube Walls on Activity. <i>ChemSusChem</i> , 2015, 8, 2956-2966.	6.8	39
180	Performance improvement of air electrode for Li/air batteries by hydrophobicity adjustment. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11874-11879.	10.3	20

#	ARTICLE	IF	CITATIONS
181	Significance of wall number on the carbon nanotube support-promoted electrocatalytic activity of Pt NPs towards methanol/formic acid oxidation reactions in direct alcohol fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1961-1971.	10.3	47
182	A bimetallic carbide Fe ₂ MoC promoted Pd electrocatalyst with performance superior to Pt/C towards the oxygen reduction reaction in acidic media. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 636-641.	20.2	56
183	Ce ₂ O ₃ anchored on graphitized carbon with tunable architectures as a new promising anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10026-10030.	10.3	10
184	Nanoflower-like metallic conductive MoO ₂ as a high-performance non-precious metal electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20080-20085.	10.3	139
185	Hierarchical Mesoporous Zn-Nickel-Cobalt Ternary Oxide Nanowire Arrays on Nickel Foam as High-Performance Electrodes for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26512-26521.	8.0	234
186	Self-assembled FeS ₂ cubes anchored on reduced graphene oxide as an anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2090-2096.	10.3	122
187	Highly stable electrocatalysts supported on nitrogen-self-doped three-dimensional graphene-like networks with hierarchical porous structures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1492-1497.	10.3	34
188	A cobalt phosphide on carbon decorated Pt catalyst with excellent electrocatalytic performance for direct methanol oxidation. <i>Journal of Power Sources</i> , 2015, 275, 279-283.	7.8	44
189	A resin-based methodology to synthesize N-doped graphene-like metal-free catalyst for oxygen reduction. <i>Electrochimica Acta</i> , 2014, 142, 182-186.	5.2	17
190	Synthesis of hierarchically flower-like FeWO ₄ as high performance anode materials for Li-ion batteries by a simple hydrothermal process. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16081-16087.	7.1	29
191	Nitrogen-self-doped graphene-based non-precious metal catalyst with superior performance to Pt/C catalyst toward oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3231.	10.3	74
192	One-step synthesis of Ni ₃ S ₂ nanoparticles wrapped with in situ generated nitrogen-self-doped graphene sheets with highly improved electrochemical properties in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3142.	10.3	130
193	Controllable synthesis of graphene supported MnO ₂ nanowires via self-assembly for enhanced water oxidation in both alkaline and neutral solutions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 123-129.	10.3	59
194	A Co ₃ W ₃ C promoted Pd catalyst exhibiting competitive performance over Pt/C catalysts towards the oxygen reduction reaction. <i>Chemical Communications</i> , 2014, 50, 566-568.	4.1	60
195	Heterostructured Co ₃ O ₄ /PEI-CNTs composite: fabrication, characterization and CO gas sensors at room temperature. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4558-4565.	10.3	49
196	Sulfur-infiltrated three-dimensional graphene-like material with hierarchical pores for highly stable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4528-4533.	10.3	51
197	MoC-graphite composite as a Pt electrocatalyst support for highly active methanol oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4014.	10.3	106
198	One-pot synthesis of Pd nanoparticles on ultrahigh surface area 3D porous carbon as hydrogen storage materials. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14843-14850.	7.1	25

#	ARTICLE	IF	CITATIONS
199	One-pot synthesis of a nitrogen and phosphorus-dual-doped carbon nanotube array as a highly effective electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15448-15453.	10.3	54
200	One-step synthesis of mesoporous Al ₂ O ₃ –In ₂ O ₃ nanofibres with remarkable gas-sensing performance to NO _x at room temperature. <i>Journal of Materials Chemistry A</i> , 2014, 2, 949-956.	10.3	84
201	An extremely stable MnO ₂ anode incorporated with 3D porous graphene-like networks for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3163.	10.3	91
202	Novel graphene-like nanosheet supported highly active electrocatalysts with ultralow Pt loadings for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16898-16904.	10.3	21
203	Effect of nitrogen-containing functionalization on the electrocatalytic activity of PtRu nanoparticles supported on carbon nanotubes for direct methanol fuel cells. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 140-149.	20.2	76
204	Pt loaded on truncated hexagonal pyramid WC/graphene for oxygen reduction reaction. <i>Nano Energy</i> , 2014, 8, 52-61.	16.0	47
205	Preparation and characterization of Pt/functionalized graphene and its electrocatalysis for methanol oxidation. <i>Electrochimica Acta</i> , 2013, 111, 275-283.	5.2	43
206	Nanosized tungsten carbide synthesized by a novel route at low temperature for high performance electrocatalysis. <i>Scientific Reports</i> , 2013, 3, 1646.	3.3	93
207	One-step synthesis of boron and nitrogen-dual-self-doped graphene sheets as non-metal catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14700.	10.3	107
208	Nitrogen-self-doped graphene as a high capacity anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14586.	10.3	40
209	Supported 3-D Pt nanostructures: the straightforward synthesis and enhanced electrochemical performance for methanol oxidation in an acidic medium. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	5
210	Chelate resin self-assembled quaternary Co–Ni–P–C catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2013, 3, 14686.	3.6	17
211	Stability analysis of oxide (CeO ₂ , NiO, Co ₃ O ₄ and Mn ₃ O ₄) effect on Pd/C for methanol oxidation in alkaline medium. <i>Electrochimica Acta</i> , 2013, 90, 108-111.	5.2	89
212	Single-step pyrolytic preparation of Mo ₂ C/graphitic carbon nanocomposite as catalyst carrier for the direct liquid-feed fuel cells. <i>RSC Advances</i> , 2013, 3, 4771.	3.6	27
213	A strategy for mass production of self-assembled nitrogen-doped graphene as catalytic materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1401-1406.	10.3	57
214	Vanadium carbide and graphite promoted Pd electrocatalyst for ethanol oxidation in alkaline media. <i>Journal of Power Sources</i> , 2013, 243, 336-342.	7.8	33
215	Pd supported on 2–4 nm MoC particles with reduced particle size, synergistic effect and high stability for ethanol oxidation. <i>Electrochimica Acta</i> , 2013, 108, 644-650.	5.2	19
216	Synthesis of the nitrogen-doped carbon nanotube (NCNT) bouquets and their electrochemical properties. <i>Electrochemistry Communications</i> , 2013, 35, 80-83.	4.7	19

#	ARTICLE	IF	CITATIONS
217	Simultaneous Formation of Ultrahigh Surface Area and Three-Dimensional Hierarchical Porous Graphene-Like Networks for Fast and Highly Stable Supercapacitors. <i>Advanced Materials</i> , 2013, 25, 2474-2480.	21.0	668
218	Facile synthesis of FeS ₂ nanocrystals and their magnetic and electrochemical properties. <i>RSC Advances</i> , 2013, 3, 6132.	3.6	76
219	Biomimetic synthesis of silica hollow spheres using poly (L-lysine) and mechanism research. <i>RSC Advances</i> , 2012, 2, 3288.	3.6	16
220	Low temperature formation of porous graphitized carbon for electrocatalysis. <i>Journal of Materials Chemistry</i> , 2012, 22, 2133-2139.	6.7	77
221	A facile route to carbide-based electrocatalytic nanocomposites. <i>Journal of Materials Chemistry</i> , 2012, 22, 5072.	6.7	37
222	Porous SnS Nanorods/Carbon Hybrid Materials as Highly Stable and High Capacity Anode for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4093-4098.	8.0	111
223	Hydrothermal growth of SnS ₂ hollow spheres and their electrochemical properties. <i>CrystEngComm</i> , 2012, 14, 4279.	2.6	83
224	Bimetallic Carbide Nanocomposite Enhanced Pt Catalyst with High Activity and Stability for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 1954-1957.	13.7	166
225	Small-Sized and Contacting Pt-WC Nanostructures on Graphene as Highly Efficient Anode Catalysts for Direct Methanol Fuel Cells. <i>Chemistry - A European Journal</i> , 2012, 18, 7443-7451.	3.3	83
226	Ion-Exchange-Assisted Synthesis of Pt-WC Nanoparticles Loaded on Graphitized Carbon: A High-Performance Nanocomposite Electrocatalyst for Oxygen-Reduction Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 8490-8497.	3.3	28
227	Effect of the templates on the synthesis of hollow carbon materials as electrocatalyst supports for direct alcohol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4728-4736.	7.1	29
228	A brief consideration about the structural evolution of perfluorosulfonic-acid ionomer membranes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4657-4664.	7.1	9
229	Rapid formation of nanoscale tungsten carbide on graphitized carbon for electrocatalysis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8154-8160.	7.1	38
230	Nanostructured tungsten carbide/carbon composites synthesized by a microwave heating method as supports of platinum catalysts for methanol oxidation. <i>Journal of Power Sources</i> , 2012, 202, 56-62.	7.8	59
231	An ion exchange route to produce carbon supported nanoscale vanadium carbide for electrocatalysis. <i>Journal of Materials Chemistry</i> , 2011, 21, 19166.	6.7	21
232	Synthesis of Pd on porous hollow carbon spheres as an electrocatalyst for alcohol electrooxidation. <i>RSC Advances</i> , 2011, 1, 191.	3.6	30
233	Tungsten carbide promoted Pd-Fe as alcohol-tolerant electrocatalysts for oxygen reduction reactions. <i>Energy and Environmental Science</i> , 2011, 4, 558-563.	30.8	121
234	Palladium thorn clusters as catalysts for electrooxidation of formic acid. <i>Energy and Environmental Science</i> , 2011, 4, 1522.	30.8	44

#	ARTICLE	IF	CITATIONS
235	Electrodeposited palladium nanostructure as novel anode for direct formic acid fuel cell. Journal of Materials Chemistry, 2011, 21, 11352.	6.7	51
236	Oxygen reduction electrocatalysis enhanced by nanosized cubic vanadium carbide. Electrochemistry Communications, 2011, 13, 763-765.	4.7	66
237	A Highly Ordered Structured Membrane Electrode Assembly with Vertically Aligned Carbon Nanotubes for Ultra-Low Pt Loading PEM Fuel Cells. Advanced Energy Materials, 2011, 1, 1205-1214.	19.5	168
238	Low-Temperature Synthesis of Peony-Like Spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ as a High-Performance Anode Material for Lithium Ion Batteries. Chinese Journal of Chemistry, 2011, 29, 1824-1828.	4.9	6
239	Tungsten carbide as supports for Pt electrocatalysts with improved CO tolerance in methanol oxidation. Journal of Power Sources, 2011, 196, 6125-6130.	7.8	115
240	Preparation and performance of nanosized tungsten carbides for electrocatalysis. Electrochimica Acta, 2010, 55, 7969-7974.	5.2	65
241	Intermittent microwave heating synthesized high performance spherical LiFePO_4/C for Li-ion batteries. Materials Research Bulletin, 2010, 45, 149-152.	5.2	27
242	Self-Sustainable Production of Hydrogen, Chemicals, and Energy from Renewable Alcohols by Electrocatalysis. ChemSusChem, 2010, 3, 851-855.	6.8	110
243	Topotactic Conversion Route to Mesoporous Quasi-Single-Crystalline Co_3O_4 Nanobelts with Optimizable Electrochemical Performance. Advanced Functional Materials, 2010, 20, 617-623.	14.9	202
244	Hollow carbon hemispheres supported palladium electrocatalyst at improved performance for alcohol oxidation. Journal of Power Sources, 2010, 195, 7146-7151.	7.8	43
245	Pd nanoparticles supported on ultrahigh surface area honeycomb-like carbon for alcohol electrooxidation. International Journal of Hydrogen Energy, 2010, 35, 3263-3269.	7.1	38
246	The origin of the high performance of tungsten carbides/carbon nanotubes supported Pt catalysts for methanol electrooxidation. Electrochemistry Communications, 2009, 11, 290-293.	4.7	73
247	Nanochain-structured mesoporous tungsten carbide and its superior electrocatalysis. Journal of Materials Chemistry, 2009, 19, 6149.	6.7	58
248	Palladium-Based Electrocatalysts for Alcohol Oxidation in Half Cells and in Direct Alcohol Fuel Cells. Chemical Reviews, 2009, 109, 4183-4206.	47.7	1,486
249	First-Principles Considerations on Catalytic Activity of Pd toward Ethanol Oxidation. Journal of Physical Chemistry C, 2009, 113, 15639-15642.	3.1	117
250	Dynamic conducting effect of WO_3/PFSA membranes on the performance of proton exchange membrane fuel cells. Journal of Power Sources, 2008, 177, 56-60.	7.8	18
251	Improved performance of Pd electrocatalyst supported on ultrahigh surface area hollow carbon spheres for direct alcohol fuel cells. Journal of Power Sources, 2008, 177, 61-66.	7.8	107
252	Improved kinetics of methanol oxidation on Pt/hollow carbon sphere catalysts. Electrochimica Acta, 2008, 53, 8341-8345.	5.2	60

#	ARTICLE	IF	CITATIONS
253	Pt supported on highly graphitized lace-like carbon for methanol electrooxidation. Carbon, 2008, 46, 531-536.	10.3	41
254	Sodium borohydride hydrolysis on highly efficient Co@B/Pd catalysts. International Journal of Hydrogen Energy, 2008, 33, 4048-4054.	7.1	72
255	Accurately measuring the hydrogen generation rate for hydrolysis of sodium borohydride on multiwalled carbon nanotubes/Co@B catalysts. International Journal of Hydrogen Energy, 2008, 33, 7110-7115.	7.1	116
256	Spontaneous formation of platinum particles on electrodeposited palladium. Electrochemistry Communications, 2007, 9, 1563-1566.	4.7	7
257	Pulse-microwave assisted polyol synthesis of highly dispersed high loading Pt/C electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2007, 170, 46-49.	7.8	77
258	Mechanistic study of ethanol oxidation on Pd@NiO/C electrocatalyst. Electrochimica Acta, 2006, 52, 1087-1091.	5.2	148
259	Carbonized porous anodic alumina as electrocatalyst support for alcohol oxidation. Electrochemistry Communications, 2006, 8, 1764-1768.	4.7	41
260	Enhanced activity for ethanol electrooxidation on Pt@MgO/C catalysts. Electrochemistry Communications, 2005, 7, 1305-1308.	4.7	118
261	Synergistic effect of CeO ₂ modified Pt/C catalysts on the alcohols oxidation. Electrochimica Acta, 2005, 51, 1031-1035.	5.2	159
262	The beneficial effect of the addition of tungsten carbides to Pt catalysts on the oxygen electroreduction. Chemical Communications, 2005, , 4408.	4.1	97
263	Preparation of high loading Pt supported on carbon by on-site reduction. Journal of Materials Science, 2004, 39, 1507-1509.	3.7	30
264	Performance of highly dispersed Pt/C catalysts for low temperature fuel cells. Electrochimica Acta, 2004, 49, 3107-3111.	5.2	62
265	Novel Pt/CeO ₂ /C catalysts for electrooxidation of alcohols in alkaline media. Chemical Communications, 2004, , 2238.	4.1	173