Yi-Da Deng

List of Publications by Year in Descending Order

130 papers	8,429 citations	41 h-index	90 g-index
136 ext. papers	11,073 ext. citations	12 avg, IF	6.62 L-index

#	Paper	IF	Citations
130	Highly Active and Durable Single-Atom Tungsten-Doped NiS Se Nanosheet@NiS Se Nanorod Heterostructures for Water Splitting.. *Advanced Materials*, **2022**, e2107053	24	18
129	Regulating metal active sites of atomically-thin nickel-doped spinel cobalt oxide toward enhanced oxygen electrocatalysis. *Chemical Engineering Journal*, **2022**, 435, 134261	14.7	5
128	Investigation of failure mechanism of rechargeable zinc□air batteries with poly(acrylic acid) alkaline gel electrolyte during discharge□harge cycles at different current densities. *Chemical Engineering Journal*, **2022**, 429, 132331	14.7	4
127	Bimetallic Multi-Level Layered Co-NiOOH/Ni S @NF Nanosheet for Hydrogen Evolution Reaction in Alkaline Medium.. *Small*, **2022**, e2106904	11	5
126	Development and Challenges of Biphasic Membrane-Less Redox Batteries.. *Advanced Science*, **2022**, e2105468	15.1	8
125	Atomically Dispersed Selenium Sites on Nitrogen-Doped Carbon for Efficient Electrocatalytic Oxygen Reduction. *Angewandte Chemie - International Edition*, **2021**,	16.4	13
124	Extreme Environmental Thermal Shock Induced Dislocation-Rich Pt Nanoparticles Boosting Hydrogen Evolution Reaction. *Advanced Materials*, **2021**, 34, e2106973	24	11
123	Defective Bimetallic Selenides for Selective CO Electroreduction to CO. *Advanced Materials*, **2021**, e2106354	24	6
122	Regulating the Catalytically Active Sites in Low-Cost and Earth-Abundant 3d Transition-Metal-Based Electrode Materials for High-Performance Zinc□air Batteries. *Energy & Fuels*, **2021**, 35, 6483-6503	4.1	9
121	Metallic-State MoS Nanosheets with Atomic Modification for Sodium Ion Batteries with a High Rate Capability and Long Lifespan. *ACS Applied Materials & Interfaces*, **2021**, 13, 19894-19903	9.5	10
120	Preparation and Thermal Conductivity of Epoxy Resin/Graphene-FeO Composites. *Materials*, **2021**, 14,	3.5	1
119	Preparation and Mechanical Properties of Layered Cu/Gr Composite Film. *Coatings*, **2021**, 11, 502	2.9	0
118	A review of non-noble metal-based electrocatalysts for CO2 electroreduction. *Rare Metals*, **2021**, 40, 3019	5.5	10
117	Mapping the Design of Electrolyte Materials for Electrically Rechargeable Zinc-Air Batteries. *Advanced Materials*, **2021**, 33, e2006461	24	18
116	Metal chalcogenides: An emerging material for electrocatalysis. *APL Materials*, **2021**, 9, 050902	5.7	5
115	Promoting the charge separation and photoelectrocatalytic water reduction kinetics of Cu2O nanowires via decorating dual-cocatalysts. *Journal of Materials Science and Technology*, **2021**, 62, 119-127	9.1	7
114	Understanding the Gap between Academic Research and Industrial Requirements in Rechargeable Zinc-Ion Batteries. *Batteries and Supercaps*, **2021**, 4, 60-71	5.6	9

113	Regulated synthesis of Eutectic Ni3S2/NiS nanorods for quasi-solid-state hybrid supercapacitors with high energy density. *Journal of Power Sources*, **2021**, 482, 228910	8.9	20
112	Mass production of high-performance single atomic FeNC electrocatalysts via sequenced ultrasonic atomization and pyrolysis process. *Science China Materials*, **2021**, 64, 631-641	7.1	7
111	Recent progresses of micro-nanostructured transition metal compound-based electrocatalysts for energy conversion technologies. *Science China Materials*, **2021**, 64, 1-26	7.1	17
110	Ultrafast Synthesis for Functional Nanomaterials. *Cell Reports Physical Science*, **2021**, 2, 100302	6.1	11
109	Cobalt sulfides constructed heterogeneous interfaces decorated on N,S-codoped carbon nanosheets as a highly efficient bifunctional oxygen electrocatalyst. *Journal of Materials Chemistry A*, **2021**, 9, 13926-13935	13	10
108	Development of Metal and Metal-Based Composites Anode Materials for Potassium-Ion Batteries. *Transactions of Tianjin University*, **2021**, 27, 248-268	2.9	9
107	Controlled Synthesis and Structure Engineering of Transition Metal-based Nanomaterials for Oxygen and Hydrogen Electrocatalysis in Zinc-Air Battery and Water-Splitting Devices. *ChemSusChem*, **2021**, 14, 1659-1673	8.3	3
106	Inversely Tuning the CO Electroreduction and Hydrogen Evolution Activity on Metal Oxide via Heteroatom Doping. *Angewandte Chemie - International Edition*, **2021**, 60, 7602-7606	16.4	29
105	Inversely Tuning the CO2 Electroreduction and Hydrogen Evolution Activity on Metal Oxide via Heteroatom Doping. *Angewandte Chemie*, **2021**, 133, 7680-7684	3.6	6
104	Nano-manufacturing of Co(OH)2@NC for efficient oxygen evolution/reduction reactions. *Journal of Materials Science and Technology*, **2021**, 81, 131-138	9.1	3
103	Encapsulating Cobalt Nanoparticles in Interconnected N-Doped Hollow Carbon Nanofibers with Enriched Co?N?C Moiety for Enhanced Oxygen Electrocatalysis in Zn-Air Batteries. *Advanced Science* , **2021**, 8, e2101438	13.6	21
102	Millisecond Conversion of Photovoltaic Silicon Waste to Binder-Free High Silicon Content Nanowires Electrodes. *Advanced Energy Materials*, **2021**, 11, 2102103	21.8	11
101	Identifying Dense NiSe /CoSe Heterointerfaces Coupled with Surface High-Valence Bimetallic Sites for Synergistically Enhanced Oxygen Electrocatalysis. *Advanced Materials*, **2020**, 32, e2000607	24	143
100	Arrayed nanopore silver thin films for surface-enhanced Raman scattering.. *RSC Advances*, **2020**, 10, 23908-23915	3.9	15
99	A Solution-based Method for Synthesizing Pyrite-type Ferrous Metal Sulfide Microspheres with Efficient OER Activity. *Chemistry - an Asian Journal*, **2020**, 15, 2231-2238	4.5	2
98	Tungsten disulfide-based nanomaterials for energy conversion and storage. *Tungsten*, **2020**, 2, 109-133	4.6	21
97	Acceptor-Doping Accelerated Charge Separation in Cu2O Photocathode for Photoelectrochemical Water Splitting: Theoretical and Experimental Studies. *Angewandte Chemie*, **2020**, 132, 18621-18625	3.6	2
96	Acceptor-Doping Accelerated Charge Separation in Cu O Photocathode for Photoelectrochemical Water Splitting: Theoretical and Experimental Studies. *Angewandte Chemie - International Edition*, **2020**, 59, 18463-18467	16.4	31

95	Decoupling electrolytes towards stable and high-energy rechargeable aqueous zinc–manganese dioxide batteries. *Nature Energy*, **2020**, 5, 440-449	62.3	203
94	Advanced Characterization Techniques for Identifying the Key Active Sites of Gas-Involved Electrocatalysts. *Advanced Functional Materials*, **2020**, 30, 2001704	15.6	11
93	Carbon-based cathode materials for rechargeable zinc-air batteries: From current collectors to bifunctional integrated air electrodes **2020**, 2, 370-386		35
92	Spontaneous Synthesis of Silver-Nanoparticle-Decorated Transition-Metal Hydroxides for Enhanced Oxygen Evolution Reaction. *Angewandte Chemie - International Edition*, **2020**, 59, 7245-7250	16.4	103
91	Spontaneous Synthesis of Silver-Nanoparticle-Decorated Transition-Metal Hydroxides for Enhanced Oxygen Evolution Reaction. *Angewandte Chemie*, **2020**, 132, 7312-7317	3.6	10
90	Developing Indium-based Ternary Spinel Selenides for Efficient Solid Flexible Zn-Air Batteries and Water Splitting. *ACS Applied Materials & Interfaces*, **2020**, 12, 8115-8123	9.5	23
89	Surface/interface engineering of noble-metals and transition metal-based compounds for electrocatalytic applications. *Journal of Materials Science and Technology*, **2020**, 38, 221-236	9.1	12
88	Powder metallurgy synthesis of porous Ni-Fe alloy for oxygen evolution reaction and overall water splitting. *Journal of Materials Science and Technology*, **2020**, 37, 154-160	9.1	13
87	Battery Technologies for Grid-Level Large-Scale Electrical Energy Storage. *Transactions of Tianjin University*, **2020**, 26, 92-103	2.9	65
86	Engineering the Metal/Oxide Interface of Pd Nanowire@CuO Electrocatalysts for Efficient Alcohol Oxidation Reaction. *Small*, **2020**, 16, e1904964	11	29
85	Air-Assisted Transient Synthesis of Metastable Nickel Oxide Boosting Alkaline Fuel Oxidation Reaction. *Advanced Energy Materials*, **2020**, 10, 2001397	21.8	23
84	High-Temperature Shock Enabled Nanomanufacturing for Energy-Related Applications. *Advanced Energy Materials*, **2020**, 10, 2001331	21.8	41
83	Low-temperature strategy toward Ni-NC@Ni core-shell nanostructure with Single-Ni sites for efficient CO2 electroreduction. *Nano Energy*, **2020**, 77, 105010	17.1	28
82	Flexible and Wearable Power Sources for Next-Generation Wearable Electronics. *Batteries and Supercaps*, **2020**, 3, 1262-1274	5.6	14
81	Kirigami-Inspired Flexible and Stretchable Zinc-Air Battery Based on Metal-Coated Sponge Electrodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 54833-54841	9.5	14
80	3D Foam Anode and Hydrogel Electrolyte for High-Performance and Stable Flexible Zinc–Air Battery. *ChemistrySelect*, **2020**, 5, 8305-8310	1.8	8
79	Thermal Shock-Activated Spontaneous Growing of Nanosheets for Overall Water Splitting. *Nano-Micro Letters*, **2020**, 12, 162	19.5	31
78	Dislocation-Strained IrNi Alloy Nanoparticles Driven by Thermal Shock for the Hydrogen Evolution Reaction. *Advanced Materials*, **2020**, 32, e2006034	24	56

77	Lattice-Strain Engineering of Homogeneous NiS Se Core-Shell Nanostructure as a Highly Efficient and Robust Electrocatalyst for Overall Water Splitting. *Advanced Materials*, **2020**, 32, e2000231	24	79
76	Sequential Electrodeposition of Bifunctional Catalytically Active Structures in MoO /Ni-NiO Composite Electrocatalysts for Selective Hydrogen and Oxygen Evolution. *Advanced Materials*, **2020**, 32, e2003414	24	95
75	Hierarchical iridium-based multimetallic alloy with double-core-shell architecture for efficient overall water splitting. *Science China Materials*, **2020**, 63, 249-257	7.1	39
74	A Rechargeable Zn-Air Battery with High Energy Efficiency and Long Life Enabled by a Highly Water-Retentive Gel Electrolyte with Reaction Modifier. *Advanced Materials*, **2020**, 32, e1908127	24	79
73	Porous Zinc Anode Design for Zn-air Chemistry. *Frontiers in Chemistry*, **2019**, 7, 656	5	13
72	Enhanced antibacterial properties of biocompatible titanium electrochemically deposited Ag/TiO nanotubes and chitosan-gelatin-Ag-ZnO complex coating.. *RSC Advances*, **2019**, 9, 4521-4529	3.7	12
71	Highly Active and CO-Tolerant Trimetallic NiPtPd Hollow Nanocrystals as Electrocatalysts for Methanol Electro-oxidation Reaction. *ACS Applied Energy Materials*, **2019**, 2, 4763-4773	6.1	18
70	Nanosheets assembled into nickel sulfide nanospheres with enriched Ni3+ active sites for efficient water-splitting and zinc–air batteries. *Journal of Materials Chemistry A*, **2019**, 7, 23787-23793	13	46
69	Charge redistribution of Co on cobalt (II) oxide surface for enhanced oxygen evolution electrocatalysis. *Nano Energy*, **2019**, 61, 267-274	17.1	18
68	Combining the Advantages of Hollow and One-Dimensional Structures: Balanced Activity and Stability toward Methanol Oxidation Based on the Interface of PtCo Nanochains. *ACS Applied Energy Materials*, **2019**, 2, 1588-1593	6.1	11
67	Identifying the Activation of Bimetallic Sites in NiCo S @g-C N -CNT Hybrid Electrocatalysts for Synergistic Oxygen Reduction and Evolution. *Advanced Materials*, **2019**, 31, e1808281	24	221
66	Pt embedded Ni3Se2@NiOOH core-shell dendrite-like nanoarrays on nickel as bifunctional electrocatalysts for overall water splitting. *Science China Materials*, **2019**, 62, 1096-1104	7.1	28
65	Generation of Nanoparticle, Atomic-Cluster, and Single-Atom Cobalt Catalysts from Zeolitic Imidazole Frameworks by Spatial Isolation and Their Use in Zinc–Air Batteries. *Angewandte Chemie*, **2019**, 131, 5413-5418	3.6	82
64	Controllable synthesis of nickel sulfide nanocatalysts and their phase-dependent performance for overall water splitting. *Nanoscale*, **2019**, 11, 5646-5654	7.7	90
63	Interface engineering of NiS2/CoS2 nanohybrids as bifunctional electrocatalysts for rechargeable solid state Zn-air battery. *Journal of Power Sources*, **2019**, 437, 226893	8.9	34
62	Long-Shelf-Life Polymer Electrolyte Based on Tetraethylammonium Hydroxide for Flexible Zinc-Air Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 28909-28917	9.5	47
61	Toward Flexible and Wearable Zn-Air Batteries from Cotton Textile Waste. *ACS Omega*, **2019**, 4, 19341-19349	3.7	10
60	Atomically Dispersed Binary Co-Ni Sites in Nitrogen-Doped Hollow Carbon Nanocubes for Reversible Oxygen Reduction and Evolution. *Advanced Materials*, **2019**, 31, e1905622	24	340

59	Utilizing solar energy to improve the oxygen evolution reaction kinetics in zinc-air battery. *Nature Communications*, **2019**, 10, 4767	17.4	101
58	Investigation of the Environmental Stability of Poly(vinyl alcohol)-KOH Polymer Electrolytes for Flexible Zinc-Air Batteries. *Frontiers in Chemistry*, **2019**, 7, 678	5	15
57	Controlled Synthesis of Ni-Doped MoS Hybrid Electrode for Synergistically Enhanced Water-Splitting Process. *Chemistry - A European Journal*, **2019**, 26, 4097	4.8	11
56	Generation of Nanoparticle, Atomic-Cluster, and Single-Atom Cobalt Catalysts from Zeolitic Imidazole Frameworks by Spatial Isolation and Their Use in Zinc-Air Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 5359-5364	16.4	323
55	Long-battery-life flexible zinc□ir battery with near-neutral polymer electrolyte and nanoporous integrated air electrode. *Journal of Materials Chemistry A*, **2019**, 7, 25449-25457	13	29
54	Co3O4 nanoparticles supported on N-doped electrospinning carbon nanofibers as an efficient and bifunctional oxygen electrocatalyst for rechargeable Zn□ir batteries. *Inorganic Chemistry Frontiers*, **2019**, 6, 3554-3561	6.8	19
53	Pt Monolayers on Electrodeposited Nanoparticles of Different Compositions for Ammonia Electro-Oxidation. *Catalysts*, **2019**, 9, 4	4	5
52	Engineering the Surface Metal Active Sites of Nickel Cobalt Oxide Nanoplates toward Enhanced Oxygen Electrocatalysis for Zn-Air Battery. *ACS Applied Materials & Interfaces*, **2019**, 11, 4915-4921	9.5	56
51	Porous nanocomposite gel polymer electrolyte with high ionic conductivity and superior electrolyte retention capability for long-cycle-life flexible zinc□ir batteries. *Nano Energy*, **2019**, 56, 454-462	17.1	116
50	Enhanced light harvesting and electron-hole separation for efficient photocatalytic hydrogen evolution over Cu7S4-enwrapped Cu2O nanocubes. *Applied Catalysis B: Environmental*, **2019**, 246, 202-210	21.8	41
49	Stable heteroepitaxial interface of Li-rich layered oxide cathodes with enhanced lithium storage. *Energy Storage Materials*, **2019**, 21, 69-76	19.4	33
48	Size-controllable synthesis and high-performance formic acid oxidation of polycrystalline Pd nanoparticles. *Rare Metals*, **2019**, 38, 115-121	5.5	12
47	Unravelling the reaction chemistry and degradation mechanism in aqueous Zn/MnO2 rechargeable batteries. *Journal of Materials Chemistry A*, **2018**, 6, 5733-5739	13	132
46	Controllable Synthesis of Ni Se (0.5 □x □1) Nanocrystals for Efficient Rechargeable Zinc-Air Batteries and Water Splitting. *ACS Applied Materials & Interfaces*, **2018**, 10, 13675-13684	9.5	80
45	One-step synthesis of the PdPt bimetallic nanodendrites with controllable composition for methanol oxidation reaction. *Science China Materials*, **2018**, 61, 697-706	7.1	28
44	Zinc□Air Batteries: Atomically Thin Mesoporous Co3O4 Layers Strongly Coupled with N-rGO Nanosheets as High-Performance Bifunctional Catalysts for 1D Knittable Zinc□Air Batteries (Adv. Mater. 4/2018). *Advanced Materials*, **2018**, 30, 1870027	24	2
43	Atomic Layer Co O Nanosheets: The Key to Knittable Zn-Air Batteries. *Small*, **2018**, 14, e1702987	11	51
42	Phase and composition controlled synthesis of cobalt sulfide hollow nanospheres for electrocatalytic water splitting. *Nanoscale*, **2018**, 10, 4816-4824	7.7	165

41	Engineering Catalytic Active Sites on Cobalt Oxide Surface for Enhanced Oxygen Electrocatalysis. *Advanced Energy Materials*, **2018**, 8, 1702222	21.8	182
40	In Situ Electrodeposition of Cobalt Sulfide Nanosheet Arrays on Carbon Cloth as a Highly Efficient Bifunctional Electrocatalyst for Oxygen Evolution and Reduction Reactions. *ACS Applied Materials & Interfaces*, **2018**, 10, 30433-30440	9.5	41
39	Metal–Air Batteries: From Static to Flow System. *Advanced Energy Materials*, **2018**, 8, 1801396	21.8	104
38	Electrochemical Oxidation of Chlorine-Doped Co(OH) Nanosheet Arrays on Carbon Cloth as a Bifunctional Oxygen Electrode. *ACS Applied Materials & Interfaces*, **2018**, 10, 796-805	9.5	56
37	Pyrite-Type CoS Nanoparticles Supported on Nitrogen-Doped Graphene for Enhanced Water Splitting. *Frontiers in Chemistry*, **2018**, 6, 569	5	19
36	Three-dimensional ordered macroporous Cu current collector for lithium metal anode: Uniform nucleation by seed crystal. *Journal of Power Sources*, **2018**, 403, 82-89	8.9	34
35	Controllable synthesis of Co2P nanorods as high-efficiency bifunctional electrocatalyst for overall water splitting. *Journal of Power Sources*, **2018**, 402, 345-352	8.9	37
34	In Situ Fabrication of Heterostructure on Nickel Foam with Tuned Composition for Enhancing Water-Splitting Performance. *Small*, **2018**, 14, e1803666	11	62
33	Finite-Element Analysis on Percolation Performance of Foam Zinc. *ACS Omega*, **2018**, 3, 11018-11025	3.9	1
32	Ultrafine Pt Nanoparticle-Decorated Pyrite-Type CoS2 Nanosheet Arrays Coated on Carbon Cloth as a Bifunctional Electrode for Overall Water Splitting. *Advanced Energy Materials*, **2018**, 8, 1800935	21.8	217
31	Atomically Thin Mesoporous Co O Layers Strongly Coupled with N-rGO Nanosheets as High-Performance Bifunctional Catalysts for 1D Knittable Zinc-Air Batteries. *Advanced Materials*, **2018**, 30, 1703657	24	233
30	Ultrathin CoO nanofilm as an efficient bifunctional catalyst for oxygen evolution and reduction reaction in rechargeable zinc-air batteries. *Nanoscale*, **2017**, 9, 8623-8630	7.7	77
29	Ultrathin Co3O4 Layers with Large Contact Area on Carbon Fibers as High-Performance Electrode for Flexible Zinc–Air Battery Integrated with Flexible Display. *Advanced Energy Materials*, **2017**, 7, 1700779	21.8	218
28	Synthesis of Cubic-Shaped Pt Particles with (100) Preferential Orientation by a Quick, One-Step and Clean Electrochemical Method. *ACS Applied Materials & Interfaces*, **2017**, 9, 18856-18864	9.5	27
27	Clarifying the Controversial Catalytic Performance of Co(OH) and CoO for Oxygen Reduction/Evolution Reactions toward Efficient Zn-Air Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 22694-22703	9.5	97
26	Morphology-Controllable Synthesis of Zn-Co-Mixed Sulfide Nanostructures on Carbon Fiber Paper Toward Efficient Rechargeable Zinc-Air Batteries and Water Electrolysis. *ACS Applied Materials & Interfaces*, **2017**, 9, 12574-12583	9.5	116
25	NiCo2S4 nanocrystals anchored on nitrogen-doped carbon nanotubes as a highly efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. *Nano Energy*, **2017**, 31, 541-550	17.1	290
24	Size- and Density-Controllable Fabrication of the Platinum Nanoparticle/ITO Electrode by Pulse Potential Electrodeposition for Ammonia Oxidation. *ACS Applied Materials & Interfaces*, **2017**, 9, 27765-27772	9.5	20

23	NiO-induced synthesis of PdNi bimetallic hollow nanocrystals with enhanced electrocatalytic activities toward ethanol and formic acid oxidation. *Nano Energy*, **2017**, 42, 353-362	17.1	76
22	Electrochemical approach to prepare integrated air electrodes for highly stretchable zinc-air battery array with tunable output voltage and current for wearable electronics. *Nano Energy*, **2017**, 39, 101-110	17.1	91
21	Electrodeposition of alloys and compounds from high-temperature molten salts. *Journal of Alloys and Compounds*, **2017**, 690, 228-238	5.7	32
20	Varied hydrogen evolution reaction properties of nickel phosphide nanoparticles with different compositions in acidic and alkaline conditions. *Journal of Materials Science*, **2017**, 52, 804-814	4.3	19
19	Engineering Pyrite-Type Bimetallic Ni-Doped CoS2 Nanoneedle Arrays over a Wide Compositional Range for Enhanced Oxygen and Hydrogen Electrocatalysis with Flexible Property. *Catalysts*, **2017**, 7, 366	4	23
18	Phase and composition controllable synthesis of nickel phosphide-based nanoparticles via a low-temperature process for efficient electrocatalytic hydrogen evolution. *Electrochimica Acta*, **2017**, 258, 866-875	6.7	25
17	Electrodeposition of metals and alloys from ionic liquids. *Journal of Alloys and Compounds*, **2016**, 654, 163-170	5.7	114
16	Pt-Decorated highly porous flower-like Ni particles with high mass activity for ammonia electro-oxidation. *Journal of Materials Chemistry A*, **2016**, 4, 11060-11068	13	59
15	Improving the Electrocatalytic Activity of Pt Monolayer Catalysts for Electrooxidation of Methanol, Ethanol and Ammonia by Tailoring the Surface Morphology of the Supporting Core. *ChemElectroChem*, **2016**, 3, 537-551	4.3	28
14	Hollow Co3O4 microspheres with nano-sized shells: one-step large-scale synthesis, growth mechanism and supercapacitor properties. *RSC Advances*, **2015**, 5, 42055-42062	3.7	14
13	Hydrothermal synthesis, characterisation and growth mechanism of Ni(SO4)0.3 (OH)1.4 nanowires. *Micro and Nano Letters*, **2015**, 10, 567-572	0.9	3
12	A review of electrolyte materials and compositions for electrochemical supercapacitors. *Chemical Society Reviews*, **2015**, 44, 7484-539	58.5	2002
11	A one-step, clean, capping-agent-free electrochemical approach to prepare Pt nanoparticles with preferential (100) orientation and their high electrocatalytic activities. *Electrochemistry Communications*, **2015**, 58, 6-10	5.1	29
10	Sub-3 nm Co3O4 nanofilms with enhanced supercapacitor properties. *ACS Nano*, **2015**, 9, 1730-9	16.7	222
9	Improved catalytic performance of Pt/TiO2 nanotubes electrode for ammonia oxidation under UV-light illumination. *Electrochimica Acta*, **2014**, 150, 146-150	6.7	27
8	Shape-Controlled Synthesis of Palladium Single-Crystalline Nanoparticles: The Effect of HCl Oxidative Etching and Facet-Dependent Catalytic Properties. *Chemistry of Materials*, **2014**, 26, 1213-1218	8.6	77
7	Shape-controlled synthesis of Pt-Ir nanocubes with preferential (100) orientation and their unusual enhanced electrocatalytic activities. *Science China Materials*, **2014**, 57, 13-25	7.1	38
6	Progress and Perspective of Metallic Glasses for Energy Conversion and Storage. *Advanced Energy Materials*,2101092	21.8	3

5	Multiple Twin Boundary-Regulated Metastable Pd for Ethanol Oxidation Reaction. *Advanced Energy Materials*,2103505	21.8	11
4	Engineering cobalt sulfide/oxide heterostructure with atomically mixed interfaces for synergistic electrocatalytic water splitting. *Nano Research*,1	10	7
3	Ir Single Atoms Doped Cuboctahedral Pd for Boosted Methanol Oxidation Reaction. *Particle and Particle Systems Characterization*,2200013	3.1	0
2	Rational Design and Spontaneous Sulfurization of NiCo-(oxy)Hydroxysulfides Nanosheets with Modulated Local Electronic Configuration for Enhancing Oxygen Electrocatalysis. *Advanced Energy Materials*,2103275	21.8	5
1	Regeneration of spent cathodes of Li-ion batteries into multifunctional electrodes for overall water splitting and rechargeable Zn-air batteries by ultrafast carbothermal shock. *Science China Materials*,1	7.1	0