

Xian-Zhu Fu

List of Publications by Year in descending order

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116
papers

6,117
citations

53794

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h-index

82547

72
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117
all docs

117
docs citations

117
times ranked

5748
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry and energy conversion features of protonic ceramic cells with mixed ionic-electronic electrolytes. <i>Energy and Environmental Science</i> , 2022, 15, 439-465.	30.8	108
2	Less Energy Consumed Hydrogen Evolution Coupled with Electrocatalytic Removal of Ethanolamine Pollutant in Saline Water over Ni ₃ S ₂ /CNT Nano-Heterostructured Electrocatalysts. <i>Small Methods</i> , 2022, 6, e2101195.	8.6	10
3	In situ construction of hetero-structured perovskite composites with exsolved Fe and Cu metallic nanoparticles as efficient CO ₂ reduction electrocatalysts for high performance solid oxide electrolysis cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2509-2518.	10.3	30
4	Barium-doped Sr ₂ Fe _{1.5} Mo _{0.5} O ₆ perovskite anode materials for protonic ceramic fuel cells for ethane conversion. <i>Journal of the American Ceramic Society</i> , 2022, 105, 3613-3624.	3.8	9
5	Toward Excellence of Electrocatalyst Design by Emerging Descriptor-Oriented Machine Learning. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	43
6	Oxygen Vacancies and Interface Engineering on Amorphous/Crystalline CrO _x -Ni ₃ N Heterostructures toward High Durability and Kinetically Accelerated Water Splitting. <i>Small</i> , 2022, 18, e2106554.	10.0	71
7	Combined anodic and cathodic hydrogen production from aldehyde oxidation and hydrogen evolution reaction. <i>Nature Catalysis</i> , 2022, 5, 66-73.	34.4	276
8	NiFe P@NiCo-LDH nanoarray bifunctional electrocatalysts for coupling of methanol oxidation and hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 17150-17160.	7.1	21
9	Densely packed ultrafine SnO ₂ nanoparticles grown on carbon cloth for selective CO ₂ reduction to formate. <i>Journal of Energy Chemistry</i> , 2022, 71, 159-166.	12.9	17
10	A facile method to fabricate lightweight copper coated polyimide film current collectors for lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 528, 231207.	7.8	16
11	Generation of hydrogen accompanied with formate bifunctional NiCo P@NiCo-LDH nanosheet electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164305.	5.5	6
12	Regulating the Electron Localization of Metallic Bismuth for Boosting CO ₂ Electroreduction. <i>Nano-Micro Letters</i> , 2022, 14, 38.	27.0	21
13	Oxygen Vacancy-Mediated Selective C-N Coupling toward Electrocatalytic Urea Synthesis. <i>Journal of the American Chemical Society</i> , 2022, 144, 11530-11535.	13.7	142
14	High-temperature transport properties of BaSn _{1-x} Sc _x O ₃ ceramic materials as promising electrolytes for protonic ceramic fuel cells. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1131-1143.	17.4	24
15	Efficient bifunctional electrocatalysts for solid oxide cells based on the structural evolution of perovskites with abundant defects and exsolved CoFe nanoparticles. <i>Journal of Power Sources</i> , 2021, 482, 228981.	7.8	36
16	In situ facile fabrication of Ni(OH) ₂ nanosheet arrays for electrocatalytic co-production of formate and hydrogen from methanol in alkaline solution. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119510.	20.2	154
17	Hollow NiSe Nanocrystals Heterogenized with Carbon Nanotubes for Efficient Electrocatalytic Methanol Upgrading to Boost Hydrogen Co-Production. <i>Advanced Functional Materials</i> , 2021, 31, 2008812.	14.9	84
18	All roads lead to Rome: An energy-saving integrated electrocatalytic CO ₂ reduction system for concurrent value-added formate production. <i>Chemical Engineering Journal</i> , 2021, 412, 127893.	12.7	38

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19	Interfacial engineering of Cu ₂ Se/Co ₃ Se ₄ multivalent hetero-nanocrystals for energy-efficient electrocatalytic co-generation of value-added chemicals and hydrogen. Applied Catalysis B: Environmental, 2021, 285, 119800.	20.2	51
20	Reducing d-p band coupling to enhance CO ₂ electrocatalytic activity by Mg-doping in Sr ₂ FeMoO ₆ - δ double perovskite for high performance solid oxide electrolysis cells. Nano Energy, 2021, 82, 105707.	16.0	67
21	CO ₂ -emission-free electrocatalytic CH ₃ OH selective upgrading with high productivity at large current densities for energy saved hydrogen co-generation. Nano Energy, 2021, 80, 105530.	16.0	76
22	Co- and N-doped carbon nanotubes with hierarchical pores derived from metal-organic nanotubes for oxygen reduction reaction. Journal of Energy Chemistry, 2021, 53, 49-55.	12.9	18
23	Metallic Co Nanoarray Catalyzes Selective NH ₃ Production from Electrochemical Nitrate Reduction at Current Densities Exceeding 2 A cm ⁻² . Advanced Science, 2021, 8, 2004523.	11.2	153
24	Structural Anisotropy Determining the Oxygen Evolution Mechanism of Strongly Correlated Perovskite Nickelate Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 4262-4270.	6.7	26
25	Folic acid self-assembly synthesis of ultrathin N-doped carbon nanosheets with single-atom metal catalysts. Energy Storage Materials, 2021, 36, 409-416.	18.0	39
26	Unusual Role of Point Defects in Perovskite Nickelate Electrocatalysts. ACS Applied Materials & Interfaces, 2021, 13, 24887-24895.	8.0	9
27	Understanding the Roles of Electrogenerated Co ³⁺ and Co ⁴⁺ in Selectivity-tuned 5-Hydroxymethylfurfural Oxidation. Angewandte Chemie, 2021, 133, 20698-20705.	2.0	25
28	Construction of Nickel-Based Dual Heterointerfaces towards Accelerated Alkaline Hydrogen Evolution via Boosting Multi-Step Elementary Reaction. Advanced Functional Materials, 2021, 31, 2104827.	14.9	42
29	Understanding the Roles of Electrogenerated Co ³⁺ and Co ⁴⁺ in Selectivity-tuned 5-Hydroxymethylfurfural Oxidation. Angewandte Chemie - International Edition, 2021, 60, 20535-20542.	13.8	121
30	Energy-saving H ₂ Generation Coupled with Oxidative Alcohol Refining over Bimetallic Phosphide Ni ₂ P-CoP Junction Bifunctional Electrocatalysts. ChemSusChem, 2021, 14, 5450-5459.	6.8	16
31	La _{0.5} Sr _{0.5} Fe _{0.9} Mo _{0.1} O _{3-δ} -CeO ₂ anode catalyst for Co-Producing electricity and ethylene from ethane in proton-conducting solid oxide fuel cells. Ceramics International, 2021, 47, 24106-24114.	4.8	39
32	Core-Shell Structured Cu(OH) ₂ @NiFe(OH) Nanotube Electrocatalysts for Methanol Oxidation Based Hydrogen Evolution. ACS Applied Nano Materials, 2021, 4, 8723-8732.	5.0	14
33	In-situ exsolved FeNi nanoparticles on perovskite matrix anode for co-production of ethylene and power from ethane in proton conducting fuel cells. Electrochimica Acta, 2021, 393, 139096.	5.2	17
34	Enhancing bifunctional electrodes of oxygen vacancy abundant ZnCo ₂ O ₄ nanosheets for supercapacitor and oxygen evolution. Chemical Engineering Journal, 2021, 425, 130583.	12.7	70
35	Bifunctional Pt-Co ₃ O ₄ electrocatalysts for simultaneous generation of hydrogen and formate via energy-saving alkaline seawater/methanol co-electrolysis. Journal of Materials Chemistry A, 2021, 9, 6316-6324.	10.3	65
36	Lightweight and Compressible Expandable Polymer Microspheres/Silver Flakes Composites for High-efficiency Electromagnetic Interference Shielding. , 2021, , .		1

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37	Emerging anode materials architected with NiCoFe ternary alloy nanoparticles for ethane-fueled protonic ceramic fuel cells. <i>Journal of Power Sources</i> , 2021, 515, 230634.	7.8	9
38	Phosphoric acid-doped polybenzimidazole with a leaf-like three-layer porous structure as a high-temperature proton exchange membrane for fuel cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26345-26353.	10.3	50
39	NiCoP 1D nanothorns grown on 3D hierarchically porous Ni films for high performance hydrogen evolution reaction. <i>Chinese Chemical Letters</i> , 2020, 31, 855-858.	9.0	31
40	Coupling efficient biomass upgrading with H ₂ production via bifunctional Cu _x S@NiCo-LDH core-shell nanoarray electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1138-1146.	10.3	132
41	Pr ₂ BaNiMnO ₇ double-layered Ruddlesden-Popper perovskite oxides as efficient cathode electrocatalysts for low temperature proton conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7704-7712.	10.3	84
42	Value-Added Formate Production from Selective Methanol Oxidation as Anodic Reaction to Enhance Electrochemical Hydrogen Cogeneration. <i>ChemSusChem</i> , 2020, 13, 914-921.	6.8	87
43	Assembling Palladium and Cuprous Oxide Nanoclusters into Single Quantum Dots for the Electrocatalytic Oxidation of Formaldehyde, Ethanol, and Glucose. <i>ACS Applied Nano Materials</i> , 2020, 3, 10176-10182.	5.0	6
44	Constructing multifunctional Nanoplatelet-on-Nanoarray™ electrocatalyst with unprecedented activity towards novel selective organic oxidation reactions to boost hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119339.	20.2	93
45	Electrolysis of waste water containing aniline to produce polyaniline and hydrogen with low energy consumption. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22419-22426.	7.1	21
46	One-pot synthesis of two-dimensional multilayered graphitic carbon nanosheets by low-temperature hydrothermal carbonization using the in situ formed copper as a template and catalyst. <i>Chemical Communications</i> , 2020, 56, 11645-11648.	4.1	9
47	Recent Advances in MOF-Derived Single Atom Catalysts for Electrochemical Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2001561.	19.5	265
48	Cogeneration of ethylene and electricity in symmetrical protonic solid oxide fuel cells based on a La _{0.6} Sr _{0.4} Fe _{0.8} Nb _{0.1} Cu _{0.1} O ₃ electrode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25978-25985.	10.3	22
49	Amorphous cobalt hydroxysulfide nanosheets with regulated electronic structure for high-performance electrochemical energy storage. <i>Science China Materials</i> , 2020, 63, 2303-2313.	6.3	13
50	Metal-support interaction enhanced electrochemical reduction of CO ₂ to formate between graphene and Bi nanoparticles. <i>Journal of CO₂ Utilization</i> , 2020, 37, 353-359.	6.8	41
51	NiMn hydroxides supported on porous Ni/graphene films as electrically and thermally conductive electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 393, 124598.	12.7	27
52	Novel folic acid complex derived nitrogen and nickel co-doped carbon nanotubes with embedded Ni nanoparticles as efficient electrocatalysts for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5105-5114.	10.3	18
53	Boosting H ₂ Generation Coupled with Selective Oxidation of Methanol into Value-Added Chemical over Cobalt Hydroxide@Hydroxysulfide Nanosheets Electrocatalysts. <i>Advanced Functional Materials</i> , 2020, 30, 1909610.	14.9	190
54	β-MnO ₂ nanorod-assembled hierarchical micro-spheres with oxygen vacancies to enhance electrocatalytic performance toward the oxygen reduction reaction for aluminum-air batteries. <i>Journal of Energy Chemistry</i> , 2020, 51, 81-89.	12.9	45

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55	Co P@NiCo-LDH heteronanosheet arrays as efficient bifunctional electrocatalysts for co-generation of value-added formate and hydrogen with less-energy consumption. <i>Journal of Energy Chemistry</i> , 2020, 50, 314-323.	12.9	83
56	In situ embedding of CoFe nanocatalysts into Sr ₃ FeMoO ₇ matrix as high-performance anode materials for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020, 459, 228071.	7.8	31
57	Boosting formate production at high current density from CO ₂ electroreduction on defect-rich hierarchical mesoporous Bi/Bi ₂ O ₃ junction nanosheets. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118957.	20.2	103
58	In situ growth of Cu(OH) ₂ @FeOOH nanotube arrays on catalytically deposited Cu current collector patterns for high-performance flexible in-plane micro-sized energy storage devices. <i>Energy and Environmental Science</i> , 2019, 12, 194-205.	30.8	128
59	Electrochemical Transformation of Facet-Controlled BiOI into Mesoporous Bismuth Nanosheets for Selective Electrocatalytic Reduction of CO ₂ to Formic Acid. <i>ChemSusChem</i> , 2019, 12, 4700-4707.	6.8	46
60	Hollow Porous Ag Spherical Catalysts for Highly Efficient and Selective Electrocatalytic Reduction of CO ₂ to CO. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14443-14450.	6.7	40
61	Pd Nanoparticle-Interspersed Hierarchical Copper Hydroxide@Nickel Cobalt Hydroxide Carbonate Tubular Arrays as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16459-16466.	6.7	21
62	Alumina-Coated Cu@Reduced Graphene Oxide Microspheres as Enhanced Antioxidative and Electrically Insulating Fillers for Thermal Interface Materials with High Thermal Conductivity. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1330-1335.	4.3	17
63	Morphological and electronic modification of 3D porous nickel microsphere arrays by cobalt and sulfur dual synergistic modulation for overall water splitting electrolysis and supercapacitors. <i>Applied Surface Science</i> , 2019, 491, 570-578.	6.1	22
64	In situ redox growth of mesoporous Pd-Cu ₂ O nanoheterostructures for improved glucose oxidation electrocatalysis. <i>Science Bulletin</i> , 2019, 64, 764-773.	9.0	39
65	Microwave-assisted hydrothermal synthesis of MOFs-derived bimetallic CuCo-N/C electrocatalyst for efficient oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2019, 795, 462-470.	5.5	31
66	Electrochemical exfoliation from an industrial ingot: ultrathin metallic bismuth nanosheets for excellent CO ₂ capture and electrocatalytic conversion. <i>Nanoscale</i> , 2019, 11, 22125-22133.	5.6	34
67	Carbon nanofibers@NiSe core/sheath nanostructures as efficient electrocatalysts for integrating highly selective methanol conversion and less-energy intensive hydrogen production. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25878-25886.	10.3	57
68	Co ₂ Cr ₄ Nanopowders as an Anode Catalyst for Simultaneous Conversion of Ethane to Ethylene and Power in Proton-Conducting Fuel Cell Reactors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4165-4171.	3.1	23
69	Tubular Cu(OH) ₂ arrays decorated with nanothorny Co-Ni bimetallic carbonate hydroxide supported on Cu foam: a 3D hierarchical core-shell efficient electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10064-10073.	10.3	104
70	PdCu Alloy Flower-like Nanocages with High Electrocatalytic Performance for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8976-8983.	3.1	79
71	Amorphous NiFe Nanotube Arrays Bifunctional Electrocatalysts for Efficient Electrochemical Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2018, 1, 1210-1217.	5.1	84
72	Iron-Doped Nickel Phosphide Nanosheets In Situ Grown on Nickel Submicrowires as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2018, 10, 2248-2253.	3.7	24

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73	Electroless Deposition Metals on Poly(dimethylsiloxane) with Strong Adhesion As Flexible and Stretchable Conductive Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2075-2082.	8.0	65
74	Ultrathin 5-fold twinned sub-25 nm silver nanowires enable highly selective electroreduction of CO ₂ to CO. <i>Nano Energy</i> , 2018, 45, 456-462.	16.0	115
75	Shape-controlled synthesis of CoMoO ₄ @Co _{1.5} Ni _{1.5} S ₄ hybrids with rambutan-like structure for high-performance all-solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 346, 193-202.	12.7	39
76	NiCo ₂ O ₄ nanoframes with a nanosheet surface as efficient electrocatalysts for the oxygen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1155-1164.	5.9	54
77	Sn-Nanorod-Supported Ag Nanoparticles as Efficient Catalysts for Electroless Deposition of Cu Conductive Tracks. <i>ACS Applied Nano Materials</i> , 2018, 1, 1531-1540.	5.0	17
78	Hollow PdCo alloy nanospheres with mesoporous shells as high-performance catalysts for methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 264-271.	9.4	61
79	Cogeneration of ethylene and energy in protonic fuel cell with an efficient and stable anode anchored with in-situ exsolved functional metal nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 283-289.	20.2	60
80	Porous octahedral PdCu nanocages as highly efficient electrocatalysts for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3906-3912.	10.3	108
81	Amorphous Ni(OH) ₂ encounter with crystalline CuS in hollow spheres: A mesoporous nano-shelled heterostructure for hydrogen evolution electrocatalysis. <i>Nano Energy</i> , 2018, 44, 7-14.	16.0	201
82	Core-shell Cu@rGO hybrids filled in epoxy composites with high thermal conduction. <i>Journal of Materials Chemistry C</i> , 2018, 6, 257-265.	5.5	56
83	pH-induced phase evolution and enhanced physical properties of co-precipitated WO ₃ -CuO powders and reduced bodies for microelectronics packaging. <i>Ceramics International</i> , 2018, 44, 22601-22608.	4.8	4
84	Multiple-doped barium cerate proton-conducting electrolytes for chemical-energy cogeneration in solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19704-19710.	7.1	14
85	Enhanced light extraction of single-surface textured YAG:Ce transparent ceramics for high power white LEDs. <i>Applied Surface Science</i> , 2018, 455, 425-432.	6.1	54
86	Bowl-Like and Apple-Like PdCu Hollow Microparticles with Mesoporous Nanoshells: Synthesis, Characterization, and Electrocatalytic Performance. <i>ACS Applied Energy Materials</i> , 2018, 1, 3323-3330.	5.1	8
87	Octahedral Pd nanocages with porous shells converted from Co(OH) ₂ nanocages with nanosheet surfaces as robust electrocatalysts for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15789-15796.	10.3	26
88	Adhesion-Enhanced Flexible Conductive Metal Patterns on Polyimide Substrate Through Direct Writing Catalysts with Novel Surface Modification Electroless Deposition. <i>ChemistrySelect</i> , 2018, 3, 7612-7618.	1.5	7
89	Enhanced Li ion conductivity in Ce-doped Li _{0.33} La _{0.56} TiO ₃ perovskite solid electrolytes for all-solid-state Li-ion batteries. <i>New Journal of Chemistry</i> , 2018, 42, 9074-9079.	2.8	34
90	Hierarchical nanothorns MnCo ₂ O ₄ grown on porous/dense Ni bi-layers coated Cu wire current collectors for high performance flexible solid-state fiber supercapacitors. <i>Journal of Power Sources</i> , 2018, 393, 54-61.	7.8	58

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91	PdCu alloy nanoparticles supported on reduced graphene oxide for electrocatalytic oxidation of methanol. <i>Journal of Materials Science</i> , 2018, 53, 15871-15881.	3.7	29
92	Flowerlike NiCo ₂ S ₄ Hollow Sub-Microspheres with Mesoporous Nanoshells Support Pd Nanoparticles for Enhanced Hydrogen Evolution Reaction Electrocatalysis in Both Acidic and Alkaline Conditions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22248-22256.	8.0	52
93	Improved full-color emission and switched luminescence in single Ca ₃ (PO ₄) ₂ : Dy ³⁺ , Eu ³⁺ phosphors for white LEDs. <i>Journal of Alloys and Compounds</i> , 2017, 697, 215-221.	5.5	44
94	Copper Hydroxide Porous Nanotube Arrays Grown on Copper Foils as High-Performance Integrated Electrodes for Supercapacitors. <i>ChemistrySelect</i> , 2017, 2, 9570-9576.	1.5	12
95	Highly thermally conductive graphene-based electrodes for supercapacitors with excellent heat dissipation ability. <i>Sustainable Energy and Fuels</i> , 2017, 1, 2145-2154.	4.9	11
96	Low temperature-sintering and microstructure of highly transparent yttria ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2580-2586.	5.5	24
97	3D RGO frameworks wrapped hollow spherical SnO ₂ -Fe ₂ O ₃ mesoporous nano-shells: fabrication, characterization and lithium storage properties. <i>Electrochimica Acta</i> , 2016, 202, 186-196.	5.2	24
98	A highly thermally conductive electrode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14595-14604.	10.3	36
99	NiO mesoporous nanowalls grown on RGO coated nickel foam as high performance electrodes for supercapacitors and biosensors. <i>Electrochimica Acta</i> , 2016, 192, 205-215.	5.2	87
100	Flexible graphene electrothermal films made from electrochemically exfoliated graphite. <i>Journal of Materials Science</i> , 2016, 51, 1043-1051.	3.7	76
101	Co-reduction self-assembly of reduced graphene oxide nanosheets coated Cu ₂ O sub-microspheres core-shell composites as lithium ion battery anode materials. <i>Electrochimica Acta</i> , 2015, 176, 434-441.	5.2	19
102	Enhanced Performance of Lithium-ion Batteries with Copper Oxide Microspheres @ Graphene Oxide Micro/Nanocomposite Electrodes. <i>Energy Technology</i> , 2015, 3, 488-495.	3.8	17
103	Urchin-like Pd@CuO "Pd yolk" shell nanostructures: synthesis, characterization and electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13653-13661.	10.3	51
104	Nickel hexacyanoferrate flower-like nanosheets coated three dimensional porous nickel films as binder-free electrodes for neutral electrolyte supercapacitors. <i>Electrochimica Acta</i> , 2015, 166, 157-162.	5.2	30
105	NiCo ₂ O ₄ nanosheets in-situ grown on three dimensional porous Ni film current collectors as integrated electrodes for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 286, 371-379.	7.8	71
106	Electro-deposition of CoNi ₂ S ₄ flower-like nanosheets on 3D hierarchically porous nickel skeletons with high electrochemical capacitive performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23035-23041.	10.3	93
107	Graphene oxide nano-sheets wrapped Cu ₂ O microspheres as improved performance anode materials for lithium ion batteries. <i>Nano Energy</i> , 2015, 11, 38-47.	16.0	139
108	Electro-oxidation of formaldehyde and methanol over hollow porous palladium nanoparticles with enhanced catalytic activity. <i>Catalysis Communications</i> , 2015, 58, 40-45.	3.3	35

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109	The microstructure and properties of C and W co-doped NiCr embedded thin film resistors. <i>Surface and Coatings Technology</i> , 2014, 259, 759-766.	4.8	11
110	Ni-P coated Ni foam as coking resistant current collector for solid oxide fuel cells fed by syngas. <i>Journal of Power Sources</i> , 2012, 198, 164-169.	7.8	21
111	CO ₂ emission free co-generation of energy and ethylene in hydrocarbon SOFC reactors with a dehydrogenation anode. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19615.	2.8	14
112	Ethane dehydrogenation over nano-Cr ₂ O ₃ anode catalyst in proton ceramic fuel cell reactors to co-produce ethylene and electricity. <i>Journal of Power Sources</i> , 2011, 196, 1036-1041.	7.8	49
113	Nanoparticles as Anode Catalyst for Ethane Proton Conducting Fuel Cell Reactors to Coproduce Ethylene and Electricity. <i>Advances in Physical Chemistry</i> , 2011, 2011, 1-6.	2.0	9
114	Y-doped BaCeO ₃ nanopowders as proton-conducting electrolyte materials for ethane fuel cells to co-generate ethylene and electricity. <i>Journal of Power Sources</i> , 2010, 195, 2659-2663.	7.8	62
115	Fabrication of bi-layered proton conducting membrane for hydrocarbon solid oxide fuel cell reactors. <i>Electrochimica Acta</i> , 2010, 55, 1145-1149.	5.2	24
116	An integral proton conducting SOFC for simultaneous production of ethylene and power from ethane. <i>Chemical Communications</i> , 2010, 46, 2052.	4.1	31