

# Xin-Yao Yu

## List of Publications by Citations

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119  
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#	Paper	IF	Citations
119	Porous molybdenum carbide nano-octahedrons synthesized via confined carburization in metal-organic frameworks for efficient hydrogen production. <i>Nature Communications</i> , <b>2015</b> , 6, 6512	17.4	1056
118	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , <b>2015</b> , 6, 6694	17.4	941
117	Carbon coated porous nickel phosphides nanoplates for highly efficient oxygen evolution reaction. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1246-1250	35.4	706
116	Self-templated formation of uniform NiCo <sub>2</sub> O <sub>4</sub> hollow spheres with complex interior structures for lithium-ion batteries and supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1868-72	16.4	618
115	Carbon-Incorporated Nickel-Cobalt Mixed Metal Phosphide Nanoboxes with Enhanced Electrocatalytic Activity for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3897-3900	16.4	582
114	Metal Sulfide Hollow Nanostructures for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501333	21.8	563
113	Ultrathin MoS <sub>2</sub> Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7395-8	16.4	548
112	Complex Nanostructures from Materials based on Metal-Organic Frameworks for Electrochemical Energy Storage and Conversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703614	24	522
111	Mixed Metal Sulfides for Electrochemical Energy Storage and Conversion. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701592	21.8	503
110	Formation of Prussian-Blue-Analog Nanocages via a Direct Etching Method and their Conversion into Ni-Co-Mixed Oxide for Enhanced Oxygen Evolution. <i>Advanced Materials</i> , <b>2016</b> , 28, 4601-5	24	456
109	Bowl-like SnO <sub>2</sub> @carbon hollow particles as an advanced anode material for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12803-7	16.4	426
108	Formation of Ni-Co-MoS Nanoboxes with Enhanced Electrocatalytic Activity for Hydrogen Evolution. <i>Advanced Materials</i> , <b>2016</b> , 28, 9006-9011	24	425
107	Structure-designed synthesis of FeS <sub>2</sub> @C yolk-shell nanoboxes as a high-performance anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1576-1580	35.4	411
106	Formation of nickel sulfide nanoframes from metal-organic frameworks with enhanced pseudocapacitive and electrocatalytic properties. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5331-5	16.4	379
105	Sb@C coaxial nanotubes as a superior long-life and high-rate anode for sodium ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2314-2318	35.4	356
104	Hierarchical MoS <sub>2</sub> tubular structures internally wired by carbon nanotubes as a highly stable anode material for lithium-ion batteries. <i>Science Advances</i> , <b>2016</b> , 2, e1600021	14.3	327
103	Formation of Hierarchical Cu-Doped CoSe Microboxes via Sequential Ion Exchange for High-Performance Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706668	24	311

102	Confining SnS <sub>2</sub> Ultrathin Nanosheets in Hollow Carbon Nanostructures for Efficient Capacitive Sodium Storage. <i>Joule</i> , <b>2018</b> , 2, 725-735	27.8	281
101	General Formation of MS (M = Ni, Cu, Mn) Box-in-Box Hollow Structures with Enhanced Pseudocapacitive Properties. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7440-7446	15.6	260
100	Iron and 1,3,5-Benzenetricarboxylic Metal-Organic Coordination Polymers Prepared by Solvothermal Method and Their Application in Efficient As(V) Removal from Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8601-8607	3.8	224
99	The Design and Synthesis of Hollow Micro-/Nanostructures: Present and Future Trends. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800939	24	218
98	Nickel cobalt phosphides quasi-hollow nanocubes as an efficient electrocatalyst for hydrogen evolution in alkaline solution. <i>Chemical Communications</i> , <b>2016</b> , 52, 1633-6	5.8	215
97	Encapsulating Sn Nanoparticles in Amorphous Carbon Nanotubes for Enhanced Lithium Storage Properties. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601177	21.8	195
96	AlOOH-reduced graphene oxide nanocomposites: one-pot hydrothermal synthesis and their enhanced electrochemical activity for heavy metal ions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4672-82	9.5	194
95	Adsorption of lead(II) on O <sub>2</sub> -plasma-oxidized multiwalled carbon nanotubes: thermodynamics, kinetics, and desorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 2585-93	9.5	194
94	Facile synthesis of urchin-like NiCo <sub>2</sub> O <sub>4</sub> hollow microspheres with enhanced electrochemical properties in energy and environmentally related applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3689-95	9.5	185
93	Novel 3D hierarchical cotton-candy-like CuO: surfactant-free solvothermal synthesis and application in As(III) removal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1954-62	9.5	167
92	A Nanosheets-on-Channel Architecture Constructed from MoS <sub>2</sub> and CMK-3 for High-Capacity and Long-Cycle-Life Lithium Storage. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400902	21.8	166
91	Hierarchical Nanotubes Constructed by Carbon-Coated Ultrathin SnS Nanosheets for Fast Capacitive Sodium Storage. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12202-12205	16.4	165
90	Carbon-Incorporated Nickel-Cobalt Mixed Metal Phosphide Nanoboxes with Enhanced Electrocatalytic Activity for Oxygen Evolution. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3955-3958	3.6	164
89	Electrochemical detection of arsenic(III) completely free from noble metal: Fe <sub>3</sub> O <sub>4</sub> microspheres-room temperature ionic liquid composite showing better performance than gold. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2673-80	7.8	163
88	Graphene Layers-Wrapped Fe/Fe <sub>5</sub> C <sub>2</sub> Nanoparticles Supported on N-doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702476	21.8	162
87	Nanostructured Electrode Materials for Advanced Sodium-Ion Batteries. <i>Matter</i> , <b>2019</b> , 1, 90-114	12.7	159
86	A Practical High-Energy Cathode for Sodium-Ion Batteries Based on Uniform P2-Na CoO Microspheres. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5801-5805	16.4	157
85	Rutile TiO <sub>2</sub> submicroboxes with superior lithium storage properties. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4001-4	16.4	155

84	Three-dimensional hierarchical flower-like Mg-Al-layered double hydroxides: highly efficient adsorbents for As(V) and Cr(VI) removal. <i>Nanoscale</i> , <b>2012</b> , 4, 3466-74	7.7	149
83	Etching-in-a-Box: A Novel Strategy to Synthesize Unique Yolk-Shelled Fe <sub>3</sub> O <sub>4</sub> @Carbon with an Ultralong Cycling Life for Lithium Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502318	21.8	141
82	Formation of Polypyrrole-Coated Sb Se Microclips with Enhanced Sodium-Storage Properties. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9859-9863	16.4	131
81	Porous Hierarchically Micro-/Nanostructured MgO: Morphology Control and Their Excellent Performance in As(III) and As(V) Removal. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 22242-22250	3.8	121
80	Formation of Nickel Sulfide Nanoframes from Metal-Organic Frameworks with Enhanced Pseudocapacitive and Electrocatalytic Properties. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5421-5425	3.6	115
79	Formation of Co <sub>3</sub> O <sub>4</sub> microframes from MOFs with enhanced electrochemical performance for lithium storage and water oxidation. <i>Chemical Communications</i> , <b>2016</b> , 52, 6269-72	5.8	113
78	Activating the hydrogen evolution and overall water splitting performance of NiFe LDH by cation doping and plasma reduction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 266, 118627	21.8	110
77	Bullet-like Cu S Hollow Particles Coated with Nitrogen-Doped Carbon for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7744-7748	16.4	108
76	Stripping voltammetry study of ultra-trace toxic metal ions on highly selectively adsorptive porous magnesium oxide nanoflowers. <i>Analyst, The</i> , <b>2012</b> , 137, 2183-91	5	108
75	Facile preparation of porous Co <sub>3</sub> O <sub>4</sub> nanosheets for high-performance lithium ion batteries and oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2016</b> , 310, 41-46	8.9	97
74	Millimeter-sized MgAl-LDH nanoflake impregnated magnetic alginate beads (LDH-n-MABs): a novel bio-based sorbent for the removal of fluoride in water. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2119-2128	13	90
73	Ultra high adsorption capacity of fried egg jellyfish-like AlOOH(Boehmite)@SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> porous magnetic microspheres for aqueous Pb(II) removal. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16550		89
72	Facet-dependent electrochemical properties of Co <sub>3</sub> O <sub>4</sub> nanocrystals toward heavy metal ions. <i>Scientific Reports</i> , <b>2013</b> , 3, 2886	4.9	87
71	Ultrathin MoS <sub>2</sub> Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7503-7506	3.6	86
70	Non-conductive nanomaterial enhanced electrochemical response in stripping voltammetry: The use of nanostructured magnesium silicate hollow spheres for heavy metal ions detection. <i>Analytica Chimica Acta</i> , <b>2013</b> , 790, 31-8	6.6	85
69	Al-1,3,5-benzenetricarboxylic metal-organic frameworks: A promising adsorbent for defluoridation of water with pH insensitivity and low aluminum residual. <i>Chemical Engineering Journal</i> , <b>2014</b> , 252, 220-229	14.7	82
68	N-doped graphene layers encapsulated NiFe alloy nanoparticles derived from MOFs with superior electrochemical performance for oxygen evolution reaction. <i>Scientific Reports</i> , <b>2016</b> , 6, 34004	4.9	81
67	Facile synthesis of porous single crystalline ZnO nanoplates and their application in photocatalytic reduction of Cr(VI) in the presence of phenol. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 276, 400-7	12.8	80

66	Hollow Nanostructures of Molybdenum Sulfides for Electrochemical Energy Storage and Conversion. <i>Small Methods</i> , <b>2017</b> , 1, 1600020	12.8	76
65	Self-assembled, monodispersed, flower-like $\text{Fe}(\text{OH})_3$ hierarchical superstructures for efficient and fast removal of heavy metal ions from water. <i>CrystEngComm</i> , <b>2012</b> , 14, 3005	3.3	75
64	$\text{O}_2$ -plasma oxidized multi-walled carbon nanotubes for Cd(II) and Pb(II) detection: Evidence of adsorption capacity for electrochemical sensing. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1506-1509	5.1	67
63	Self-Templated Formation of Uniform $\text{NiCo}_2\text{O}_4$ Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1888-1892	3.6	61
62	A Facile Approach for the Synthesis of Ag-Coated $\text{Fe}_3\text{O}_4@ \text{TiO}_2$ Core/Shell Microspheres as Highly Efficient and Recyclable Photocatalysts. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 5096-5104	2.3	61
61	Two-step self-assembly of iron oxide into three-dimensional hollow magnetic porous microspheres and their toxic ion adsorption mechanism. <i>Dalton Transactions</i> , <b>2013</b> , 42, 1921-8	4.3	58
60	Enhancing selectivity in stripping voltammetry by different adsorption behaviors: the use of nanostructured Mg-Al-layered double hydroxides to detect Cd(II). <i>Analyst, The</i> , <b>2013</b> , 138, 1812-8	5	57
59	$\text{Fe}_2\text{O}_3$ Nanoparticles Encapsulated Millimeter-Sized Magnetic Chitosan Beads for Removal of Cr(VI) from Water: Thermodynamics, Kinetics, Regeneration, and Uptake Mechanisms. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 3142-3149	2.8	55
58	Porous 2-line ferrihydrite/bayerite composites (LFBC): Fluoride removal performance and mechanism. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 325-336	14.7	48
57	Bowl-like $\text{SnO}_2@ \text{Carbon}$ Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13017-13021	3.6	46
56	Hierarchical core-shell structures of P-Ni(OH) rods@MnO nanosheets as high-performance cathode materials for asymmetric supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 2524-2532	7.7	44
55	Hierarchical Nanotubes Constructed by Carbon-Coated Ultrathin SnS Nanosheets for Fast Capacitive Sodium Storage. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12370-12373	3.6	44
54	Synthesis of monodispersed Pt nanoparticles on plasma processed carbon nanotubes for methanol electro-oxidation reaction. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6720		43
53	Controlled synthesis of natroalunite microtubes and spheres with excellent fluoride removal performance. <i>Chemical Engineering Journal</i> , <b>2015</b> , 271, 240-251	14.7	40
52	Synthesis of $\text{CoSe}_2$ nanoparticles embedded in N-doped carbon with conformal $\text{TiO}_2$ shell for sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122206	14.7	39
51	Bullet-like $\text{Cu}_9\text{S}_5$ Hollow Particles Coated with Nitrogen-Doped Carbon for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7826-7830	3.6	36
50	Nanostructured metal oxides/hydroxides-based electrochemical sensor for monitoring environmental micropollutants. <i>Trends in Environmental Analytical Chemistry</i> , <b>2014</b> , 3-4, 28-35	12	36
49	A facile template free solution approach for the synthesis of dypingite nanowires and subsequent decomposition to nanoporous MgO nanowires with excellent arsenate adsorption properties. <i>RSC Advances</i> , <b>2013</b> , 3, 5430	3.7	36

48	Deeply reconstructed hierarchical and defective NiOOH/FeOOH nanoboxes with accelerated kinetics for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15586-15594	13	35
47	Fluoride removal mechanism of bayerite/boehmite nanocomposites: roles of the surface hydroxyl groups and the nitrate anions. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 440, 60-7	9.3	34
46	Facile one-pot synthesis of lepidocrocite (FeOOH) nanoflakes for water treatment. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2551	3.6	34
45	Carbon-coated CoSe <sub>2</sub> nanoparticles confined in N-doped carbon microboxes with enhanced sodium storage properties. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21404-21409	13	32
44	Interface modification of hierarchical Co <sub>9</sub> S <sub>8</sub> @NiCo layered dihydroxide nanotube arrays using polypyrrole as charge transfer layer in flexible all-solid asymmetric supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 439, 227103	8.9	32
43	Cation-Assisted Formation of Porous TiO <sub>2</sub> Nanoboxes with High Grain Boundary Density as Efficient Electrocatalysts for Lithium-Oxygen Batteries. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1720-1727	13.1	32
42	General synthesis of vanadium-based mixed metal oxides hollow nanofibers for high performance lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 329, 190-196	8.9	30
41	Electrochemical oxidation to construct a nickel sulfide/oxide heterostructure with improvement of capacitance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11611-11615	13	28
40	Formation of Polypyrrole-Coated Sb <sub>2</sub> Se <sub>3</sub> Microclips with Enhanced Sodium-Storage Properties. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10007-10011	3.6	28
39	A simple method to synthesize graphene at 633 K by dechlorination of hexachlorobenzene on Cu foils. <i>Carbon</i> , <b>2012</b> , 50, 306-310	10.4	28
38	Activating the alkaline hydrogen evolution performance of Mo-incorporated Ni(OH) <sub>2</sub> by plasma-induced heterostructure. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118154	21.8	28
37	Sub-20 nm-Fe <sub>3</sub> O <sub>4</sub> square and circular nanoplates: synthesis and facet-dependent magnetic and electrochemical properties. <i>Chemical Communications</i> , <b>2014</b> , 50, 15952-5	5.8	26
36	Tungstate-modulated Ni/Ni(OH) <sub>2</sub> interface for efficient hydrogen evolution reaction in neutral media. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1456-1462	13	24
35	Necklace-like mesoporous MgO/TiO <sub>2</sub> heterojunction structures with excellent capability for water treatment. <i>Dalton Transactions</i> , <b>2014</b> , 43, 2348-51	4.3	23
34	Surfactant-free preparation of nickel carbonate hydroxide in aqueous solution and its toxic ion-exchange properties. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 534-539	3.6	23
33	A Practical High-Energy Cathode for Sodium-Ion Batteries Based on Uniform P2-Na <sub>0.7</sub> CoO <sub>2</sub> Microspheres. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5895-5899	3.6	22
32	Synthesis of monodispersed FeOOH nanorods with a high content of surface hydroxyl groups and enhanced ion-exchange properties towards As(V). <i>RSC Advances</i> , <b>2013</b> , 3, 15805	3.7	22
31	PEG aggregation templated porous ZnO nanostructure: room temperature solution synthesis, pore formation mechanism, and their photoluminescence properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 3647	3.3	22



30	Synthesis of metal-organic-framework related core-shell heterostructures and their application to ion enrichment in aqueous conditions. <i>Chemical Communications</i> , <b>2014</b> , 50, 7686-9	5.8	20
29	Dense doping of indium to coral-like SnO <sub>2</sub> nanostructures through a plasma-assisted strategy for sensitive and selective detection of chlorobenzene. <i>Nanotechnology</i> , <b>2011</b> , 22, 315501	3.4	20
28	Formation of TiFe mixed sulfide nanoboxes for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21891-21895	13	18
27	Shape-controlled synthesis of CdCO <sub>3</sub> microcrystals and corresponding nanoporous CdO architectures. <i>RSC Advances</i> , <b>2012</b> , 2, 10251	3.7	18
26	Synthesis of ZIF-67 nanocubes with complex structures co-mediated by dopamine and polyoxometalate. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19338-19341	13	18
25	In-situ formation of ligand-stabilized bismuth nanosheets for efficient CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 297, 120481	21.8	18
24	Formation of uniform porous yolk-shell MnCoO microrugby balls with enhanced electrochemical performance for lithium storage and the oxygen evolution reaction. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17022-17028	4.3	15
23	Modification of coral-like SnO <sub>2</sub> nanostructures with dense TiO <sub>2</sub> nanoparticles for a self-cleaning gas sensor. <i>Talanta</i> , <b>2012</b> , 99, 394-403	6.2	13
22	Rutile TiO <sub>2</sub> Submicroboxes with Superior Lithium Storage Properties. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4073-4076	3.6	11
21	Accelerating the oxygen evolution reaction kinetics of CoO in neutral electrolyte by decorating RuO. <i>Chemical Communications</i> , <b>2021</b> , 57, 2907-2910	5.8	10
20	Oxygen Vacancy Engineering Synergistic with Surface Hydrophilicity Modification of Hollow Ru Doped CoNi-LDH Nanotube Arrays for Boosting Hydrogen Evolution. <i>Small</i> , <b>2021</b> , e2104323	11	9
19	N plasma-activated NiO nanosheet arrays with enhanced water splitting performance. <i>Nanotechnology</i> , <b>2020</b> , 31, 455709	3.4	8
18	Plasma-reduced Co(OH) <sub>2</sub> with activated hydrogen evolution and overall water splitting performance. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2645-2649	5.8	7
17	Cobalt sulfide aerogel prepared by anion exchange method with enhanced pseudocapacitive and water oxidation performances. <i>Nanotechnology</i> , <b>2018</b> , 29, 215601	3.4	7
16	Fe ions modulated formation of hollow NiFe oxyphosphide spheres with enhanced oxygen evolution performance. <i>Chemical Communications</i> , <b>2019</b> , 55, 14371-14374	5.8	7
15	Introducing oxygen vacancies for improving the electrochemical performance of Co <sub>9</sub> S <sub>8</sub> @NiCo-LDH nanotube arrays in flexible all-solid battery-capacitor hybrid supercapacitors. <i>Energy</i> , <b>2022</b> , 238, 121767	7.9	7
14	Energy Balance in DC Arc Plasma Melting Furnace. <i>Plasma Science and Technology</i> , <b>2009</b> , 11, 206-210	1.5	6
13	Plasma deposition of polymer electrolyte membrane for proton exchange membrane fuel cell (PEMFC) applications. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, S231-S235	4.4	6

12	Formation of highly porous CuCo <sub>2</sub> O <sub>4</sub> nanosheet assemblies for high-rate and long-term lithium storage. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 3370-3374	5.8	6
11	Preparation of Anodes for DMFC by Co-Sputtering of Platinum and Ruthenium. <i>Plasma Science and Technology</i> , <b>2010</b> , 12, 224-229	1.5	5
10	Copper and carbon-incorporated yolk-shelled FeP spheres with enhanced sodium storage properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127776	14.7	5
9	Plasma- and anneal-assisted hybridization of SWCNT-Au network for rapid and high-sensitive electrical detection of antibody-antigen interactions. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6139		4
8	Effects of Sputtering Parameters on the Performance of Sputtered Cathodes for Direct Methanol Fuel Cells. <i>Plasma Science and Technology</i> , <b>2010</b> , 12, 87-91	1.5	4
7	Regulating Ni site in NiV LDH for efficient electrocatalytic production of formate and hydrogen by glycerol electrolysis. <i>Rare Metals</i> , <b>2022</b> , 41, 1583	5.5	4
6	Effect of Feed Forms on the Results of Melting of Fly Ash by a DC Plasma Arc Furnace. <i>Plasma Science and Technology</i> , <b>2009</b> , 11, 592-597	1.5	3
5	The synthesis and characteristics of polymer nanoballs by plasma polymerization cooperating with DC plasma sputtering technique. <i>Thin Solid Films</i> , <b>2010</b> , 518, 6609-6613	2.2	3
4	Synergetic electronic modulation and nanostructure engineering of heterostructured RuO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> as advanced bifunctional electrocatalyst for zinc-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 26669-26675	13	3
3	Synergistic Electronic and Pore Structure Modulation in Open Carbon Nanocages Enabling Efficient Electrocatalytic Production of H <sub>2</sub> O <sub>2</sub> in Acidic Medium. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2110734	15.6	1
2	Study on the microheterogeneity of aqueous alcohol solutions: formation mechanism of inner pores of ZnO nanostructures. <i>RSC Advances</i> , <b>2014</b> , 4, 11124	3.7	
1	Synthesis of Porous Gold Based on Gold-Thiol Coordination Polymer and Its Application in SERS Detection with High Activity and High Reproducibility. <i>Chemistry Letters</i> , <b>2013</b> , 42, 407-409	1.7	