Xiaohong Li

List of Publications by Year in descending order

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43 papers	3,701 citations	201385 27 h-index	243296 44 g-index
46 all docs	46 docs citations	46 times ranked	4815 citing authors

#	Article	IF	Citations
1	Carbon Materials as Positive Electrodes in Bromineâ€Based Flow Batteries. ChemPlusChem, 2022, 87, e202100441.	1.3	23
2	Ni3S2 nanostrips@FeNi-NiFe2O4 nanoparticles embedded in N-doped carbon microsphere: An improved electrocatalyst for oxygen evolution reaction. Journal of Colloid and Interface Science, 2022, 617, 1-10.	5.0	25
3	Selection of oxygen reduction catalysts for secondary tri-electrode zincâ€“air batteries. Scientific Reports, 2022, 12, 6696.	1.6	4
4	Superior photoelectrocatalytic performance of ternary structural BiVO4/GQD/g-C3N4 heterojunction. Journal of Colloid and Interface Science, 2021, 586, 785-796.	5.0	32
5	The effect of electrolyte and additive concentration on zincâ€“nickel flow cell performance. Electrochimica Acta, 2021, 367, 137479.	2.6	8
6	Assembling flower-on-sheet CoPâ€“NiCoP nanohybrids as efficient self-supported electrocatalysts for hydrogen evolution reaction in both acidic and alkaline media. Journal of Materials Science, 2021, 56, 3375-3386.	1.7	10
7	The influence of zinc electrode substrate, electrolyte flow rate and current density on zinc-nickel flow cell performance. Electrochimica Acta, 2021, 373, 137890.	2.6	7
8	3D Hierarchically Structured CoS Nanosheets: Li⁺ Storage Mechanism and Application of the High-Performance Lithium-Ion Capacitors. ACS Applied Materials & Interfaces, 2020, 12, 3709-3718.	4.0	72
9	Development of Niâ€“Fe based ternary metal hydroxides as highly efficient oxygen evolution catalysts in AEM water electrolysis for hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 24232-24247.	3.8	55
10	Density Functional Theory Study of NiFeCo Trinary Oxy-Hydroxides for an Efficient and Stable Oxygen Evolution Reaction Catalyst. ACS Omega, 2020, 5, 20517-20524.	1.6	24
11	Laser Assisted Solution Synthesis of High Performance Graphene Supported Electrocatalysts. Advanced Functional Materials, 2020, 30, 2001756.	7.8	23
12	Screening of effective electrolyte additives for zinc-based redox flow battery systems. Journal of Power Sources, 2019, 412, 44-54.	4.0	54
13	Enhancement of Oxygen Transfer by Design Nickel Foam Electrode for Zincâ^'Air Battery. Journal of the Electrochemical Society, 2018, 165, A809-A818.	1.3	41
14	The characteristics and performance of hybrid redox flow batteries with zinc negative electrodes for energy storage. Renewable and Sustainable Energy Reviews, 2018, 90, 992-1016.	8.2	77
15	High Volumetric Energy Density Capacitors Based on New Electrode Material Lanthanum Nitride. ACS Energy Letters, 2017, 2, 336-341.	8.8	41
16	Influence of synthesis parameters on amorphous manganese dioxide catalyst electrocatalytic performance. Electrochimica Acta, 2017, 245, 615-624.	2.6	13
17	A study on Pb2+/Pb electrodes for soluble lead redox flow cells prepared with methanesulfonic acid and recycled lead. Journal of Applied Electrochemistry, 2016, 46, 861-868.	1.5	18
18	Comparison of the Spinels Co 3 O 4 and NiCo 2 O 4 as Bifunctional Oxygen Catalysts in Alkaline Media. Electrochimica Acta, 2016, 188, 286-293.	2.6	65

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19	Three-dimensional graphene oxide/polypyrrole composite electrodes fabricated by one-step electrodeposition for high performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 14445-14457.	5.2	212
20	Materials and fabrication of electrode scaffolds for deposition of MnO2 and their true performance in supercapacitors. Journal of Power Sources, 2015, 293, 657-674.	4.0	93
21	High surface area coatings for hydrogen evolution cathodes prepared by magnetron sputtering. International Journal of Hydrogen Energy, 2015, 40, 2452-2459.	3.8	7
22	The specific capacitance of solâ€“gel synthesised spinel MnCo2O4 in an alkaline electrolyte. Electrochimica Acta, 2014, 115, 22-27.	2.6	128
23	Synthesis and characterization of M3V2O8 (M = Ni or Co) based nanostructures: a new family of high performance pseudocapacitive materials. Journal of Materials Chemistry A, 2014, 2, 4919.	5.2	161
24	The fabrication of a bifunctional oxygen electrode without carbon components for alkaline secondary batteries. Journal of Power Sources, 2014, 259, 43-49.	4.0	35
25	A novel bifunctional oxygen GDE for alkaline secondary batteries. Electrochemistry Communications, 2013, 34, 228-230.	2.3	35
26	A Sol-Gel Process for the Synthesis of NiCo2O4Having Improved Specific Capacitance and Cycle Stability for Electrochemical Capacitors. Journal of the Electrochemical Society, 2012, 159, A1262-A1266.	1.3	53
27	Progress in redox flow batteries, remaining challenges and their applications in energy storage. RSC Advances, 2012, 2, 10125.	1.7	778
28	A comparison of cathodes for zero gap alkaline water electrolysers for hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 7429-7435.	3.8	69
29	Electrodeposited lead dioxide coatings. Chemical Society Reviews, 2011, 40, 3879.	18.7	310
30	Nickel based electrocatalysts for oxygen evolution in high current density, alkaline water electrolysers. Physical Chemistry Chemical Physics, 2011, 13, 1162-1167.	1.3	282
31	Prospects for alkaline zero gap water electrolysers for hydrogen production. International Journal of Hydrogen Energy, 2011, 36, 15089-15104.	3.8	274
32	Optimization of the Electrodeposition Process of High-Performance Bismuth Antimony Telluride Compounds for Thermoelectric Applications. Langmuir, 2010, 26, 16980-16985.	1.6	41
33	A novel flow battery: A lead acid battery based on an electrolyte with soluble lead(II) Part VIII. The cycling of a 10cmÃ—10cm flow cell. Journal of Power Sources, 2010, 195, 1731-1738.	4.0	79
34	A novel flow battery: A lead acid battery based on an electrolyte with soluble lead(II). Part IX: Electrode and electrolyte conditioning with hydrogen peroxide. Journal of Power Sources, 2010, 195, 2975-2978.	4.0	70
35	A novel flow battery: A lead acid battery based on an electrolyte with soluble lead(II). Electrochimica Acta, 2009, 54, 4688-4695.	2.6	118
36	Nanotemplated lead telluride thin films. Microporous and Mesoporous Materials, 2009, 118, 403-407.	2.2	5

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37	High density p-type Bi0.5Sb1.5Te3 nanowires by electrochemical templating through ion-track lithography. Physical Chemistry Chemical Physics, 2009, 11, 3584.	1.3	32
38	Direct electrodeposition of PbTe thin films on n-type silicon. Electrochemistry Communications, 2008, 10, 363-366.	2.3	18
39	Electrodeposition of mesoporous CdTe films with the aid of citric acid from lyotropic liquid crystalline phases. Journal of Materials Chemistry, 2006, 16, 3207.	6.7	24
40	Labeling the Defects of Single-Walled Carbon Nanotubes Using Titanium Dioxide Nanoparticles. Journal of Physical Chemistry B, 2003, 107, 2453-2458.	1.2	160
41	Polymerization of short single-walled carbon nanotubes into large strands. Carbon, 2003, 41, 598-601.	5.4	20
42	High-Density Growth of Single-Wall Carbon Nanotubes on Silicon by Fabrication of Nanosized Catalyst Thin Films. Chemistry of Materials, 2002, 14, 4262-4266.	3.2	9
43	Preparation and characterization of pyrrole/aniline copolymer nanofibrils using the template-synthesis method. Journal of Applied Polymer Science, 2001, 81, 3002-3007.	1.3	92