

Xiaogang Hao

List of Publications by Year in descending order

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141
papers

6,369
citations

76326

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76900

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142
all docs

142
docs citations

142
times ranked

7825
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured catalysts for electrochemical water splitting: current state and prospects. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11973-12000.	10.3	823
2	Catalytic steam reforming of biomass tar: Prospects and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 450-461.	16.4	471
3	Nanostructured Co-based bifunctional electrocatalysts for energy conversion and storage: current status and perspectives. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18674-18707.	10.3	277
4	Ultrathin nanoflakes of cobalt-manganese layered double hydroxide with high reversibility for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2016, 306, 526-534.	7.8	257
5	Utmost limits of various solid electrolytes in all-solid-state lithium batteries: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 367-385.	16.4	161
6	Transition metal-based catalysts for electrochemical water splitting at high current density: current status and perspectives. <i>Nanoscale</i> , 2021, 13, 12788-12817.	5.6	142
7	Bifunctional CoNi/CoFe ₂ O ₄ /Ni foam electrodes for efficient overall water splitting at a high current density. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19221-19230.	10.3	140
8	FeCo Alloy Nanoparticles Coated by an Ultrathin N-Doped Carbon Layer and Encapsulated in Carbon Nanotubes as a Highly Efficient Bifunctional Air Electrode for Rechargeable Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8530-8541.	6.7	140
9	Fabrication and evaluation of nanocellulose sponge for oil/water separation. <i>Carbohydrate Polymers</i> , 2018, 190, 184-189.	10.2	134
10	A novel potential-responsive ion exchange film system for heavy metal removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10263-10272.	10.3	117
11	A novel electroactive β -MnO ₂ /PPy/PSS core-shell nanorod coated electrode for selective recovery of lithium ions at low concentration. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13989-13996.	10.3	109
12	A novel 3D porous modified material with cage-like structure: fabrication and its demulsification effect for efficient oil/water separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5895-5904.	10.3	97
13	Ultrastable coaxial cable-like superhydrophobic mesh with self-adaption effect: facile synthesis and oil/water separation application. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8080-8090.	10.3	95
14	A facile one-step way for extraction of nanocellulose with high yield by ball milling with ionic liquid. <i>Cellulose</i> , 2017, 24, 2083-2093.	4.9	95
15	Controllable Synthesis of NiCo LDH Nanosheets for Fabrication of High-Performance Supercapacitor Electrodes. <i>Electroanalysis</i> , 2017, 29, 1286-1293.	2.9	95
16	Facile Preparation of Ion-Imprinted Composite Film for Selective Electrochemical Removal of Nickel(II) Ions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9543-9549.	8.0	85
17	Electroactive ion exchange materials: current status in synthesis, applications and future prospects. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6236-6258.	10.3	85
18	Bi-Doped SnO Nanosheets Supported on Cu Foam for Electrochemical Reduction of CO ₂ to HCOOH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42114-42122.	8.0	85

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19	Electrodeposition of Tin-Based Electrocatalysts with Different Surface Tin Species Distributions for Electrochemical Reduction of CO ₂ to HCOOH. ACS Sustainable Chemistry and Engineering, 2019, 7, 9360-9368.	6.7	85
20	Catalytic Activity and Stability of Nickel-Modified Molybdenum Carbide Catalysts for Steam Reforming of Methanol. Journal of Physical Chemistry C, 2014, 118, 9485-9496.	3.1	77
21	Biomass-Derived N-Doped Carbon for Efficient Electrocatalytic CO ₂ Reduction to CO and Zn ²⁺ /CO ₂ Batteries. ACS Applied Materials & Interfaces, 2021, 13, 3738-3747.	8.0	70
22	Mn doped CoP nanoparticle clusters: an efficient electrocatalyst for hydrogen evolution reaction. Catalysis Science and Technology, 2018, 8, 4407-4412.	4.1	68
23	Fabrication of a High-Energy Flexible All-Solid-State Supercapacitor Using Pseudocapacitive 2D-Ti ₃ C ₂ T _x -MXene and Battery-Type Reduced Graphene Oxide/Nickel-Cobalt Bimetal Oxide Electrode Materials. ACS Applied Materials & Interfaces, 2020, 12, 52749-52762.	8.0	66
24	2-Fluoropyridine: A novel electrolyte additive for lithium metal batteries with high areal capacity as well as high cycling stability. Chemical Engineering Journal, 2020, 393, 124789.	12.7	65
25	Exploration of the Active Center Structure of Nitrogen-Doped Graphene for Control over the Growth of Co ₃ O ₄ for a High-Performance Supercapacitor. ACS Applied Energy Materials, 2018, 1, 143-153.	5.1	63
26	Electrochemical technologies for lithium recovery from liquid resources: A review. Renewable and Sustainable Energy Reviews, 2022, 154, 111813.	16.4	59
27	CuO nanowire@Co ₃ O ₄ ultrathin nanosheet core-shell arrays: An effective catalyst for oxygen evolution reaction. Electrochimica Acta, 2017, 250, 77-83.	5.2	55
28	Bifunctional ionic liquid and conducting ceramic co-assisted solid polymer electrolyte membrane for quasi-solid-state lithium metal batteries. Journal of Membrane Science, 2019, 586, 122-129.	8.2	55
29	Common strategies for improving the performances of tin and bismuth-based catalysts in the electrocatalytic reduction of CO ₂ to formic acid/formate. Renewable and Sustainable Energy Reviews, 2021, 143, 110952.	16.4	55
30	Highly-efficient steam reforming of methanol over copper modified molybdenum carbide. RSC Advances, 2014, 4, 44175-44184.	3.6	51
31	Generation of edge dislocation defects in Co ₃ O ₄ catalysts: an efficient tactic to improve catalytic activity for oxygen evolution. Journal of Materials Chemistry A, 2019, 7, 10745-10750.	10.3	51
32	Simultaneous separation of iodide and cesium ions from dilute wastewater based on PPy/PTCF and NiHCF/PTCF electrodes using electrochemically switched ion exchange method. Separation and Purification Technology, 2015, 139, 63-69.	7.9	50
33	Selective production of aromatic hydrocarbons from catalytic pyrolysis of biomass over Cu or Fe loaded mesoporous rod-like alumina. RSC Advances, 2016, 6, 50618-50629.	3.6	47
34	Catalytic Upgrading of Bio-Oil over Cu/MCM-41 and Cu/KIT-6 Prepared by β -Cyclodextrin-Assisted Coimpregnation Method. Journal of Physical Chemistry C, 2016, 120, 3396-3407.	3.1	47
35	Nickel phosphate nanorod-enhanced polyethylene oxide-based composite polymer electrolytes for solid-state lithium batteries. Journal of Colloid and Interface Science, 2020, 565, 110-118.	9.4	47
36	Enhancement of heavy metals removal efficiency from liquid wastes by using potential-triggered proton self-exchange effects. Electrochimica Acta, 2014, 130, 40-45.	5.2	44

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37	Cobalt hydroxide [Co(OH) ₂] loaded carbon fiber flexible electrode for high performance supercapacitor. RSC Advances, 2015, 5, 56942-56948.	3.6	44
38	Unipolar pulse electrodeposition of nickel hexacyanoferrate thin films with controllable structure on platinum substrates. Thin Solid Films, 2012, 520, 2438-2448.	1.8	43
39	A Facile Potential-Induced In-Situ Ion Removal Trick: Fabrication of High-Selective Ion-Imprinted Film for Trivalent Yttrium Ion Separation. Electrochimica Acta, 2015, 176, 1313-1323.	5.2	42
40	Facile preparation of electroactive amorphous β -ZrP/PANI hybrid film for potential-triggered adsorption of Pb ²⁺ ions. Journal of Hazardous Materials, 2015, 289, 91-100.	12.4	42
41	Acid-free synthesis of oxygen-enriched electroactive carbon with unique square pores from salted seaweed for robust supercapacitor with attractive energy density. Green Chemistry, 2018, 20, 4983-4994.	9.0	41
42	A green method to increase yield and quality of bio-oil: ultrasonic pretreatment of biomass and catalytic upgrading of bio-oil over metal (Cu, Fe and/or Zn)/ γ -Al ₂ O ₃ . RSC Advances, 2015, 5, 83494-83503.	3.6	40
43	An electrochemically-switched BPEI-CQD/PPy/PSS membrane for selective separation of dilute copper ions from wastewater. Chemical Engineering Journal, 2017, 328, 293-303.	12.7	39
44	A novel H1.6Mn1.6O4/reduced graphene oxide composite film for selective electrochemical capturing lithium ions with low concentration. Separation and Purification Technology, 2019, 226, 59-67.	7.9	38
45	Selective catalytic conversion of bio-oil over high-silica zeolites. Bioresource Technology, 2015, 179, 518-523.	9.6	37
46	Novel SeS ₂ doped Li ₂ S-P ₂ S ₅ solid electrolyte with high ionic conductivity for all-solid-state lithium sulfur batteries. Chemical Engineering Journal, 2020, 380, 122419.	12.7	37
47	A high-performance electroactive PPy/rGO/NiCo-LDH hybrid film for removal of dilute dodecyl sulfonate ions. Electrochimica Acta, 2020, 331, 135288.	5.2	36
48	Mild catalytic depolymerization of low rank coals: a novel way to increase tar yield. RSC Advances, 2015, 5, 2493-2503.	3.6	35
49	Facile fabrication of CuO microcube@Fe ₃ O ₄ nanosheet array as a high-performance electrocatalyst for the oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 21740-21749.	10.3	35
50	Electrical double layer ion transport with cell voltage-pulse potential coupling circuit for separating dilute lead ions from wastewater. Journal of Membrane Science, 2017, 535, 20-27.	8.2	33
51	Potential-induced reversible uptake/release of perchlorate from wastewater by polypyrrole@CoNi-layered double hydroxide modified electrode with proton-ligand effect. Journal of Colloid and Interface Science, 2018, 523, 159-168.	9.4	33
52	Hydrogen Production from Catalytic Steam Reforming of Bio-Oils: A Critical Review. Chemical Engineering and Technology, 2020, 43, 625-640.	1.5	33
53	Kinetics Modeling of Low-Rank Coal Pyrolysis Based on a Three-Gaussian Distributed Activation Energy Model (DAEM) Reaction Model. Energy & Fuels, 2016, 30, 9693-9702.	5.1	31
54	Non-precious molybdenum-based catalyst derived from biomass: CO-free hydrogen production from formic acid at low temperature. Energy Conversion and Management, 2018, 164, 122-131.	9.2	31

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55	An electroactive ion exchange hybrid film with collaboratively-driven ability for electrochemically-mediated selective extraction of chloride ions. <i>Chemical Engineering Journal</i> , 2022, 427, 130807.	12.7	31
56	Engineering interfacial structures to accelerate hydrogen evolution efficiency of MoS ₂ over a wide pH range. <i>Nanoscale</i> , 2020, 12, 6810-6820.	5.6	30
57	Binder-Free Electrodes of CoAl Layered Double Hydroxide on Carbon Fibers for All-Solid-State Flexible Yarn Supercapacitors. <i>Energy Technology</i> , 2016, 4, 997-1004.	3.8	29
58	An in Situ Potential-Enhanced Ion Transport System Based on FeHCF@PPy/PSS Membrane for the Removal of Ca ²⁺ and Mg ²⁺ from Dilute Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6194-6203.	3.7	29
59	A potential-controlled ion pump based on a three-dimensional PPy@GO membrane for separating dilute lead ions from wastewater. <i>Electrochimica Acta</i> , 2017, 236, 434-442.	5.2	29
60	Full Spectrum Decomposition of Formic Acid over $\hat{\text{I}}^3\text{-Mo}_2\text{-N}$ -Based Catalysts: From Dehydration to Dehydrogenation. <i>ACS Catalysis</i> , 2020, 10, 5353-5361.	11.2	28
61	Microwave-assisted synthesis of manganese oxide catalysts for total toluene oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 100-110.	9.4	28
62	An intelligent displacement pumping film system: A new concept for enhancing heavy metal ion removal efficiency from liquid waste. <i>Journal of Hazardous Materials</i> , 2014, 274, 436-442.	12.4	27
63	One-step electrodeposition of polyaniline/nickel hexacyanoferrate/sulfonated carbon nanotubes interconnected composite films for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3157-3168.	2.5	27
64	Intelligent nanospheres with potential-triggered undamaged regeneration ability and superparamagnetism for selective separation of cesium ion. <i>Chemical Engineering Journal</i> , 2017, 325, 229-238.	12.7	27
65	DFT calculations of the synergistic effect of $\hat{\text{I}}\text{-MnO}_2/\text{graphene}$ composites for electrochemical adsorption of lithium ions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8133-8140.	2.8	27
66	The <i>in situ</i> morphology transformation of bismuth-based catalysts for the effective electroreduction of carbon dioxide. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2831-2840.	4.9	27
67	Amphiphobic nanocellulose-modified paper: fabrication and evaluation. <i>RSC Advances</i> , 2016, 6, 13328-13334.	3.6	26
68	An absorption mechanism and polarity-induced viscosity model for CO ₂ capture using hydroxypyridine-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1134-1142.	2.8	26
69	Citric acid-assisted synthesis of nano-Ag/BiOBr with enhanced photocatalytic activity. <i>Science China Chemistry</i> , 2015, 58, 457-466.	8.2	25
70	MOF-derived Co nanoparticles embedded in N,S-codoped carbon layer/MWCNTs for efficient oxygen reduction in alkaline media. <i>Ionics</i> , 2019, 25, 785-796.	2.4	23
71	Controlled self-assembly of oligomers-grafted fibrous polyaniline/single zirconium phosphate nanosheet hybrids with potential-responsive ion exchange properties. <i>Chemical Engineering Journal</i> , 2016, 302, 516-525.	12.7	22
72	A string of nickel hexacyanoferrate nanocubes coaxially grown on a CNT@bipolar conducting polymer as a high-performance cathode material for sodium-ion batteries. <i>Nanoscale</i> , 2017, 9, 823-831.	5.6	22

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73	An electrochemically switched ion exchange process with self-electrical-energy recuperation for desalination. <i>Separation and Purification Technology</i> , 2020, 239, 116521.	7.9	22
74	Development of a process for the treatment of synthetic wastewater without energy inputs using the salinity gradient of wastewaters and a reverse electrodialysis stack. <i>Chemosphere</i> , 2020, 248, 125994.	8.2	22
75	A biomass-based small-scale power generation system with energy/exergy recuperation. <i>Energy Conversion and Management</i> , 2021, 227, 113623.	9.2	22
76	2D Sandwich-Like Zirconium Phosphate/Polypyrrole: Moderate Catalytic Activity and True Sulfur Confinement for High-Performance Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2019, 12, 5172-5182.	6.8	21
77	An electrically switched ion exchange system with self-electrical-energy recuperation for efficient and selective LiCl separation from brine lakes. <i>Separation and Purification Technology</i> , 2021, 274, 118995.	7.9	21
78	Homogeneous nanosheet Co ₃ O ₄ film prepared by novel unipolar pulse electro-deposition method for electrochemical water splitting. <i>RSC Advances</i> , 2015, 5, 76026-76031.	3.6	20
79	Catalytic conversion of biomass derivatives to lactic acid with increased selectivity in an aqueous tin(II) chloride/choline chloride system. <i>Green Chemistry</i> , 2018, 20, 4112-4119.	9.0	20
80	Terephthalic acid induced binder-free NiCoP-carbon nanocomposite for highly efficient electrocatalysis of hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 4651-4658.	4.1	20
81	Continuous Separation of Cesium Based on NiHCF/PTCF Electrode by Electrochemically Switched Ion Exchange. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 837-842.	3.5	19
82	Preparation of hydroxyl and (3-aminopropyl)triethoxysilane functionalized multiwall carbon nanotubes for use as conductive fillers in the polyurethane composite. <i>Polymer Composites</i> , 2018, 39, 1212-1222.	4.6	19
83	Unique allosteric effect-driven rapid adsorption of carbon dioxide in a newly designed ionogel [P ₄₄₄₄][2-Op]@MCM-41 with excellent cyclic stability and loading-dependent capacity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6504-6514.	10.3	18
84	Controllable Synthesis of Novel Orderly Layered VMoS ₂ Anode Materials with Super Electrochemical Performance for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26046-26054.	8.0	18
85	Embedded structure catalyst: a new perspective from noble metal supported on molybdenum carbide. <i>RSC Advances</i> , 2015, 5, 15002-15005.	3.6	17
86	A novel potential-triggered SBA-15/PANI/PSS composite film for selective removal of lead ions from wastewater. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2473-2483.	2.5	17
87	Electroactive magnetic microparticles for the selective elimination of cesium ions in the wastewater. <i>Environmental Research</i> , 2020, 185, 109474.	7.5	17
88	Prospects of oxide ionic conductivity bismuth vanadate-based solid electrolytes. <i>Reviews in Chemical Engineering</i> , 2014, 30, .	4.4	16
89	Zeolite cage-lock strategy for in situ synthesis of highly nitrogen-doped porous carbon for selective adsorption of carbon dioxide gas. <i>RSC Advances</i> , 2017, 7, 24195-24203.	3.6	16
90	New Insights into the Electrocatalytic Mechanism of Methanol Oxidation on Amorphous Ni-B-Co Nanoparticles in Alkaline Media. <i>Catalysts</i> , 2019, 9, 749.	3.5	16

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91	Lithium-Salt-Containing Ionic Liquid-Incorporated Li ⁺ -Al-Layered Double Hydroxide-Based Solid Electrolyte with High-Performance and Safety in Solid-State Lithium Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12378-12387.	6.7	16
92	Coral reef-like MoS ₂ microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 14389-14400.	3.7	16
93	Efficient recovery of high-purity aniline from aqueous solutions using pervaporation-fractional condensation system. <i>AIChE Journal</i> , 2015, 61, 4445-4455.	3.6	15
94	Bifunctional Mg ²⁺ /Cu ²⁺ -Loaded β -Zeolite: High Selectivity for the Conversion of Furfural into Monoaromatic Compounds. <i>ChemCatChem</i> , 2018, 10, 3564-3575.	3.7	15
95	Synthesis of Ultrasmall, Homogeneously Distributed Ni ₃ Fe Alloy Nanoparticles on N-Doped Porous Graphene as a Bifunctional Electrocatalyst for Rechargeable Flexible Solid Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 12148-12161.	5.1	15
96	Effect of the particle sizes of silica on the properties of UV-curing matting coatings. <i>Journal of Coatings Technology Research</i> , 2021, 18, 183-192.	2.5	15
97	A smart potential-responsive ion exchange nanomaterial with superparamagnetism for cesium ion separation and recovery. <i>Separation and Purification Technology</i> , 2017, 187, 199-206.	7.9	14
98	Theoretical and experimental investigations of the electronic/ionic conductivity and deprotonation of Ni ₃ Co _x -Al-LDHs in an electrochemical energy storage system. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17313-17323.	2.8	14
99	Silver-doped molybdenum carbide catalyst with high activity for electrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32780-32785.	2.8	13
100	An Electroactive and Regenerable Fe ₃ O ₄ @Polypyrrole Nanocomposite: Fabrication and Its Defluorination in an Electromagnetic Coupling System. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12738-12744.	3.7	13
101	Trace holmium assisting delaminated OMS-2 catalysts for total toluene oxidation at low temperature. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1662-1675.	9.4	13
102	Catalytic synthesis of levulinic acid and formic acid from glucose in choline chloride aqueous solution. <i>ChemistrySelect</i> , 2016, 1, 180-188.	1.5	12
103	Functionalization of multiwalled carbon nanotubes by amidation and Michael addition reactions and the effect of the functional chains on the properties of waterborne polyurethane composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46757.	2.6	12
104	BiOCl-Coated Electroactive Film for Potential-Triggered Selective Removal of Cesium Ions from Simulated Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12816-12824.	3.7	12
105	One-step electrodeposition of cauliflower-like Co ₂ Ni ₃ S ₄ @polypyrrole electrocatalysts on carbon fiber paper for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12931-12940.	7.1	12
106	Porous manganese dioxide film built from arborization-like nanoclusters and its superior electrochemical supercapacitance with attractive cyclic stability. <i>Electrochimica Acta</i> , 2019, 296, 94-101.	5.2	12
107	Oxygen vacancy defect engineering to promote catalytic activity toward the oxidation of VOCs: a critical review. <i>Catalysis Reviews - Science and Engineering</i> , 0, , 1-54.	12.9	12
108	Facile Preparation of β -Zirconium Phosphate/Polyaniline Hybrid Film for Detecting Potassium Ion in a Wide Linear Range. <i>Electroanalysis</i> , 2014, 26, 416-423.	2.9	11

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109	pH-controlled morphological structure and electrochemical performances of polyaniline/nickel hexacyanoferrate nanogranules during electrochemical deposition. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2885-2892.	2.5	11
110	Catalytic depolymerization of a typical lignite for improving tar yield by Co and Zn catalyst. <i>Scientific Reports</i> , 2017, 7, 14433.	3.3	11
111	A novel electric-field-accelerated ion-sieve membrane system coupling potential-oscillation for alkali metal ions separation. <i>Electrochimica Acta</i> , 2017, 258, 718-726.	5.2	10
112	An Effective Heterogeneous Catalyst of [BMIM] ₃ PMo ₁₂ O ₄₀ for Selective Sugar Epimerization. <i>ChemPlusChem</i> , 2018, 83, 383-389.	2.8	9
113	Theoretical and experimental investigations of BiOCl for electrochemical adsorption of cesium ions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20901-20908.	2.8	9
114	Simultaneously enhancing the thermal stability and electrochemical performance of solid polymer electrolytes by incorporating rod-like Zn ₂ (OH)BO ₃ particles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19601-19610.	7.1	9
115	A novel electroactive hybrid film electrode with proton buffer effect for detecting hydrogen peroxide and uric acid. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15035.	10.3	8
116	Polyurethane- <i>acrylic</i> hybrid emulsions with high acrylic/polyurethane ratios: Synthesis, characterization, and properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	8
117	One-dimensional CoMoS ₄ nanorod arrays as an efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153245.	5.5	8
118	Flexible all-solid-state supercapacitor based on polyhedron C-ZIF-8/PANI composite synthesized by unipolar pulse electrodeposition method. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 777-787.	2.5	8
119	Preparation and properties of poly(siloxane- <i>ether</i> -urethane)- <i>acrylic</i> hybrid emulsions. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	7
120	Formic Acid as a Bio-CO Carrier: Selective Dehydration with ¹³ -Mo ₂ N Catalysts at Low Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13956-13963.	6.7	7
121	Mechanisms of methane decomposition and carbon species oxidation on the Pr _{0.42} Sr _{0.6} Co _{0.2} Fe _{0.7} Nb _{0.1} O _{3-δ} electrode with high catalytic activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22816-22823.		6
122	Effects of glycidyl methacrylate content and addition sequence on the acrylic latexes with carboxyl groups. <i>Journal of Coatings Technology Research</i> , 2016, 13, 973-980.	2.5	6
123	Characterization of B-site Niobium-Doped Pr _{0.4} Sr _{0.6} (Co _{0.3} Fe _{0.6}) _{1-x} Nb _x O _{3-δ} (x=0, 0.05, 0.1, 0.2)1.5 Perovskites as Cathode Materials for Solid Oxide Fuel Cells. <i>ChemistrySelect</i> , 2018, 3, 4609-4618.		6
124	A novel hexagonal prism Cu-BTC by unipolar pulse electropolymerization. <i>Materials Letters</i> , 2019, 254, 137-140.	2.6	5
125	An Integrated Structural Air Electrode Based on Parallel Porous Nitrogen-Doped Carbon Nanotube Arrays for Rechargeable Li-Air Batteries. <i>Nanomaterials</i> , 2019, 9, 1412.	4.1	5
126	Facile fabrication of O vacancy rich CuVO _x nanobelt@NiO nanosheet array for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2022, 405, 139623.	5.2	5

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127	Pervaporation Removal of Pyridine from Saline Pyridine/Water Effluents Using PEBA-2533 Membranes: Experiment and Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7370-7380.	3.7	5
128	Epoxy functionalization of multiwalled carbon nanotubes for their waterborne polyurethane composite with crosslinked structure. <i>Journal of Coatings Technology Research</i> , 2020, 17, 91-100.	2.5	4
129	Theoretical calculation assisted materials screening of BiOX (X = F, Cl, Br, I) for electrochemical absorption of cesium ions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8500-8507.	2.8	4
130	Fabrication of durian-like $\text{CoNi} / \text{CoFe}_2\text{O}_4$ composite electrocatalysts on nickel foam for hydrogen evolution in a microbial electrolysis cell. <i>International Journal of Energy Research</i> , 2022, 46, 340-350.	4.5	4
131	BiOI with Inherent Photo/Electric Biactivity Recovery by Novel Photoassisted Electrochemically Switched Ion Exchange Technology. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9394-9404.	3.7	4
132	A highly oriented poly(3,4-ethylenedioxythiophene) film: Facile synthesis and application for supercapacitor. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	3
133	Modelling of pseudocapacitive ion adsorption of electrochemically switched ion exchange based on electroactive site concentration. <i>Separation and Purification Technology</i> , 2022, 286, 120451.	7.9	3
134	Kinetics for the Oxygen Evolution Reaction and Application of the $\text{Ti/SnO}_2\text{-RuO}_2\text{-MnO}_2$ Electrode. <i>Journal of Solution Chemistry</i> , 2009, 38, 1119-1127.	1.2	2
135	A novel potential oscillation in situ removal method: preparation of ion imprinted 8-HQ/PPy film for the selective separation of zinc ions. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2541-2550.	2.5	1
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