Mao Jiang

List of Publications by Year in descending order

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159 papers	8,336 citations	53660 45 h-index	56606 83 g-index
161 all docs	161 docs citations	161 times ranked	8449 citing authors

#	Article	IF	Citations
1	A high performance sulfur-doped disordered carbon anode for sodium ion batteries. Energy and Environmental Science, 2015, 8, 2916-2921.	15.6	535
2	Liquid Metal Batteries: Past, Present, and Future. Chemical Reviews, 2013, 113, 2075-2099.	23.0	413
3	A long-life aqueous Zn-ion battery based on Na3V2(PO4)2F3 cathode. Energy Storage Materials, 2018, 15, 14-21.	9.5	402
4	A green and scalable route to yield porous carbon sheets from biomass for supercapacitors with high capacity. Journal of Materials Chemistry A, 2018, 6, 1244-1254.	5.2	360
5	Lithiumâ€“antimonyâ€“lead liquid metal battery for grid-level energy storage. Nature, 2014, 514, 348-350.	13.7	351
6	Advanced Low-Cost, High-Voltage, Long-Life Aqueous Hybrid Sodium/Zinc Batteries Enabled by a Dendrite-Free Zinc Anode and Concentrated Electrolyte. ACS Applied Materials & Interfaces, 2018, 10, 22059-22066.	4.0	226
7	Lactylation-driven METTL3-mediated RNA m6A modification promotes immunosuppression of tumor-infiltrating myeloid cells. Molecular Cell, 2022, 82, 1660-1677.e10.	4.5	185
8	An Ultrastable Presodiated Titanium Disulfide Anode for Aqueous â€œRockingâ€Chairâ€•Zinc Ion Battery. Advanced Energy Materials, 2019, 9, 1900993.	10.2	178
9	Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance. Journal of Colloid and Interface Science, 2018, 523, 133-143.	5.0	170
10	Surface-dominated storage of heteroatoms-doping hard carbon for sodium-ion batteries. Energy Storage Materials, 2020, 27, 43-50.	9.5	165
11	Liquid Metal Electrodes for Energy Storage Batteries. Advanced Energy Materials, 2016, 6, 1600483.	10.2	139
12	Nitrogen-Doped Porous Carbons As Electrode Materials for High-Performance Supercapacitor and Dye-Sensitized Solar Cell. ACS Applied Materials & Interfaces, 2015, 7, 20234-20244.	4.0	129
13	Controllable construction of 3D-skeleton-carbon coated Na 3 V 2 (PO 4) 3 for high-performance sodium ion battery cathode. Nano Energy, 2016, 20, 11-19.	8.2	128
14	Highâ€Performance Manganese Hexacyanoferrate with Cubic Structure as Superior Cathode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 1908754.	7.8	126
15	TiS₂ as an Advanced Conversion Electrode for Sodiumâ€Ion Batteries with Ultraâ€High Capacity and Longâ€Cycle Life. Advanced Science, 2018, 5, 1801021.	5.6	101
16	Tailoring 2D Heteroatomâ€Doped Carbon Nanosheets with Dominated Pseudocapacitive Behaviors Enabling Fast and Highâ€Performance Sodium Storage. Advanced Functional Materials, 2020, 30, 1909907.	7.8	93
17	High Performance Liquid Metal Battery with Environmentally Friendly Antimonyâ€“Tin Positive Electrode. ACS Applied Materials & Interfaces, 2016, 8, 12830-12835.	4.0	92
18	Poly(vinylidene fluoride)-based hybrid gel polymer electrolytes for additive-free lithium sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 17889-17895.	5.2	91

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19	Experimental design and theoretical calculation for sulfur-doped carbon nanofibers as a high performance sodium-ion battery anode. Journal of Materials Chemistry A, 2019, 7, 10239-10245.	5.2	91
20	Ultrahigh Phosphorus Doping of Carbon for Highâ€Rate Sodium Ion Batteries Anode. Advanced Energy Materials, 2021, 11, 2003911.	10.2	91
21	A Low Cost Aqueous Znâ€“S Battery Realizing Ultrahigh Energy Density. Advanced Science, 2020, 7, 2000761.	5.6	86
22	A high energy efficiency and long life aqueous Znâ€“I₂ battery. Journal of Materials Chemistry A, 2020, 8, 3785-3794.	5.2	82
23	A sulfonated polyaniline with high density and high rate Na-storage performances as a flexible organic cathode for sodium ion batteries. Chemical Communications, 2015, 51, 14354-14356.	2.2	80
24	Nickel sulfide nanospheres anchored on reduced graphene oxide in situ doped with sulfur as a high performance anode for sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 9322-9328.	5.2	78
25	Disproportionate Coupling Reaction of Sodium Sulfinates Mediated by BF₃Â·OEt₂: An Approach to Symmetrical/Unsymmetrical Thiosulfonates. Organic Letters, 2018, 20, 4754-4758.	2.4	75
26	Ultrasonic-assisted synthesis of two dimensional BiOCl/MoS2 with tunable band gap and fast charge separation for enhanced photocatalytic performance under visible light. Journal of Colloid and Interface Science, 2019, 533, 539-547.	5.0	75
27	Na₃V₂(PO₄)₃/C synthesized by a facile solid-phase method assisted with agarose as a high-performance cathode for sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 10261-10268.	5.2	74
28	Controllable Electrochemical Synthesis of Copper Sulfides as Sodium-Ion Battery Anodes with Superior Rate Capability and Ultralong Cycle Life. ACS Applied Materials & Interfaces, 2018, 10, 8016-8025.	4.0	73
29	Sulphur modulated Ni3FeN supported on N/S co-doped graphene boosts rechargeable/flexible Zn-air battery performance. Applied Catalysis B: Environmental, 2020, 274, 119086.	10.8	73
30	Fish-scale-derived carbon dots as efficient fluorescent nanoprobes for detection of ferric ions. RSC Advances, 2019, 9, 940-949.	1.7	71
31	Carbon-coated Sb 2 Se 3 composite as anode material for sodium ion batteries. Electrochemistry Communications, 2015, 60, 74-77.	2.3	69
32	1,1â€Diphenylvinylsulfide as a Functional AIEgen Derived from the Aggregationâ€Causedâ€Quenching Molecule 1,1â€Diphenylethene through Simple Thioetherification. Angewandte Chemie - International Edition, 2020, 59, 2338-2343.	7.2	67
33	Structural, electronic band transition and optoelectronic properties of delafossite CuGa1â^'xCrxO2 (0) Tj ETQq1 1 0.784314 rgBT /Ove 18463.	6.7	66
34	Br doped porous bismuth oxychloride micro-sheets with rich oxygen vacancies and dominating {0â€¯0â€¯1} facets for enhanced nitrogen photo-fixation performances. Journal of Colloid and Interface Science, 2019, 556, 111-119.	5.0	66
35	Facile Tailoring of Multidimensional Nanostructured Sb for Sodium Storage Applications. ACS Nano, 2019, 13, 9533-9540.	7.3	62
36	Wool fiber-derived nitrogen-doped porous carbon prepared from molten salt carbonization method for supercapacitor application. Journal of Materials Science, 2018, 53, 8372-8384.	1.7	61

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37	In situ coupling of NiFe nanoparticles with N-doped carbon nanofibers for Zn-air batteries driven water splitting. Applied Catalysis B: Environmental, 2021, 285, 119856.	10.8	60
38	Photo-Oxidative Degradation Mitigated the Developmental Toxicity of Polyamide Microplastics to Zebrafish Larvae by Modulating Macrophage-Triggered Proinflammatory Responses and Apoptosis. Environmental Science & Technology, 2020, 54, 13888-13898.	4.6	59
39	Exosomal ANGPTL1 attenuates colorectal cancer liver metastasis by regulating Kupffer cell secretion pattern and impeding MMP9 induced vascular leakiness. Journal of Experimental and Clinical Cancer Research, 2021, 40, 21.	3.5	56
40	Electrochemical Synthesis of LiTiO2and LiTi2O4in Molten LiCl. Chemistry of Materials, 2004, 16, 4324-4329.	3.2	55
41	MoS2@rGO Nanoflakes as High Performance Anode Materials in Sodium Ion Batteries. Scientific Reports, 2017, 7, 7963.	1.6	53
42	Enhanced faradic activity by construction of p-n junction within reduced graphene oxide@cobalt nickel sulfide@nickle cobalt layered double hydroxide composite electrode for charge storage in hybrid supercapacitor. Journal of Colloid and Interface Science, 2021, 590, 114-124.	5.0	53
43	Thermodynamic properties of calciumâ€“bismuth alloys determined by emf measurements. Electrochimica Acta, 2012, 60, 154-162.	2.6	52
44	Clusterin facilitates metastasis by EIF3I/Akt/MMP13 signaling in hepatocellular carcinoma. Oncotarget, 2015, 6, 2903-2916.	0.8	52
45	Tellurium-tin based electrodes enabling liquid metal batteries for high specific energy storage applications. Energy Storage Materials, 2018, 14, 267-271.	9.5	52
46	A two-dimensional hybrid of SbO_xnanoplates encapsulated by carbon flakes as a high performance sodium storage anode. Journal of Materials Chemistry A, 2017, 5, 1160-1167.	5.2	47
47	Microtubule-Targetable Fluorescent Probe: Site-Specific Detection and Super-Resolution Imaging of Ultratrace Tubulin in Microtubules of Living Cancer Cells. Analytical Chemistry, 2015, 87, 5216-5222.	3.2	46
48	Carbon-coated Mo3Sb7 composite as anode material for sodium ion batteries with long cycle life. Journal of Power Sources, 2016, 307, 173-180.	4.0	46
49	An in Situ Prepared Covalent Sulfurâ€“Carbon Composite Electrode for High-Performance Room-Temperature Sodiumâ€“Sulfur Batteries. ACS Energy Letters, 2020, 5, 1307-1315.	8.8	46
50	Investigation of alkali-ion (Li, Na and K) intercalation in manganese hexacyanoferrate KxMnFe(CN)6 as cathode material. Chemical Engineering Journal, 2020, 396, 125269.	6.6	44
51	Green synthesis of boron and nitrogen co-doped TiO2 with rich B-N motifs as Lewis acid-base couples for the effective artificial CO2 photoreduction under simulated sunlight. Journal of Colloid and Interface Science, 2021, 585, 95-107.	5.0	44
52	Synergistic Effect between S and Se Enhancing the Electrochemical Behavior of Se_xS_y in Aqueous Zn Metal Batteries. Advanced Functional Materials, 2021, 31, 2101237.	7.8	44
53	Au nanoparticle decorated WO₃ photoelectrode for enhanced photoelectrochemical properties. RSC Advances, 2015, 5, 60339-60344.	1.7	42
54	Glycol Derived Carbon- TiO2 as Low Cost and High Performance Anode Material for Sodium-Ion Batteries. Scientific Reports, 2017, 7, 43895.	1.6	42

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55	Nano-embedded microstructured FeS₂@C as a high capacity and cycling-stable Na-storage anode in an optimized ether-based electrolyte. Journal of Materials Chemistry A, 2018, 6, 24425-24432.	5.2	42
56	1,1â€Diphenylvinylsulfide as a Functional AIEgen Derived from the Aggregationâ€Causedâ€Quenching Molecule 1,1â€Diphenylethene through Simple Thioetherification. Angewandte Chemie, 2020, 132, 2358-2363.	1.6	42
57	A polyimideâ€“MWCNTs composite as high performance anode for aqueous Na-ion batteries. RSC Advances, 2016, 6, 53319-53323.	1.7	41
58	Facile additive-free solvothermal synthesis of cadmium sulfide flower-like three dimensional assemblies with unique optical properties and photocatalytic activity. CrystEngComm, 2011, 13, 5045.	1.3	40
59	An Autophagy-Related Long Noncoding RNA Signature Contributes to Poor Prognosis in Colorectal Cancer. Journal of Oncology, 2020, 2020, 1-13.	0.6	40
60	3D Spatial Combination of CN Vacancyâ€Mediated NiFeâ€PBA with Nâ€Doped Carbon Nanofibers Network Toward Freeâ€Standing Bifunctional Electrode for Znâ€“Air Batteries. Advanced Science, 2022, 9, e2105925.	5.6	40
61	Interstitial Water Improves Structural Stability of Iron Hexacyanoferrate for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 12234-12242.	4.0	39
62	Rational design of yolkâ€“shell silicon dioxide@hollow carbon spheres as advanced Liâ€“S cathode hosts. Nanoscale, 2017, 9, 14881-14887.	2.8	38
63	Ultrasensitive fluorescent ratio imaging probe for the detection of glutathione ultratrace change in mitochondria of cancer cells. Biosensors and Bioelectronics, 2016, 85, 96-102.	5.3	37
64	Novel dual-functional fluorescent sensors based on bis(5,6-dimethylbenzimidazole) derivatives for distinguishing of Ag+ and Fe3+ in semi-aqueous medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 632-641.	2.0	37
65	Electrochemically Activated Cu_{2â€“}_xTe as an Ultraflat Discharge Plateau, Low Reaction Potential, and Stable Anode Material for Aqueous Znâ€ion Half and Full Batteries. Advanced Energy Materials, 2021, 11, 2102607.	10.2	37
66	CF₄ Plasmaâ€Generated LiFâ€Li₂C₂ Artificial Layers for Dendriteâ€Free Lithiumâ€Metal Anodes. Advanced Science, 2022, 9, .	5.6	37
67	Layered SnS2 cross-linked by carbon nanotubes as a high performance anode for sodium ion batteries. RSC Advances, 2016, 6, 35197-35202.	1.7	36
68	Copper(I)â€Catalyzed Alkylâ€and Arylsulfenylation of 3,4â€Dihaloâ€2(5H)â€furanones (X=Br, Cl) with Sulfoxides under Mild Conditions. Advanced Synthesis and Catalysis, 2017, 359, 2961-2971.	2.1	36
69	Self-assembled structures of N -alkylated bisbenzimidazolyl naphthalene in aqueous media for highly sensitive detection of picric acid. Analytica Chimica Acta, 2017, 976, 74-83.	2.6	35
70	State of charge and online model parameters co-estimation for liquid metal batteries. Applied Energy, 2019, 250, 677-684.	5.1	35
71	A sodium liquid metal battery based on the multi-cationic electrolyte for grid energy storage. Energy Storage Materials, 2022, 50, 572-579.	9.5	35
72	Optoelectronic properties and polar nano-domain behavior of solâ€“gel derived K_{0.5}Na_{0.5}Nb_{1â^'x}Mn_xO_{3â^'Î´}nanocrystalline films with enhanced ferroelectricity. Journal of Materials Chemistry C, 2015, 3, 8225-8234.	2.7	33

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73	Manipulations from oxygen partial pressure on the higher energy electronic transition and dielectric function of VO₂ films during a metalâ€“insulator transition process. Journal of Materials Chemistry C, 2015, 3, 5033-5040.	2.7	33
74	Phosphorus-doped activated carbon as a promising additive for high performance lead carbon batteries. RSC Advances, 2017, 7, 4174-4178.	1.7	33
75	Enhanced Na⁺ pseudocapacitance in a P, S co-doped carbon anode arising from the surface modification by sulfur and phosphorus with Câ€“Sâ€“P coupling. Journal of Materials Chemistry A, 2020, 8, 422-432.	5.2	33
76	Ni and nitrogen-codoped ultrathin carbon nanosheets with strong bonding sites for efficient CO2 electrochemical reduction. Journal of Colloid and Interface Science, 2020, 570, 31-40.	5.0	33
77	Lithium Sulfonate/Carboxylate-Anchored Polyvinyl Alcohol Separators for Lithium Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 18310-18315.	4.0	32
78	A 3D coral-like structured NaVPO4F/C constructed by a novel synthesis route as high-performance cathode material for sodium-ion battery. Chemical Engineering Journal, 2018, 353, 25-33.	6.6	32
79	Influence of Size and Phase on the Biodegradation, Excretion, and Phytotoxicity Persistence of Single-Layer Molybdenum Disulfide. Environmental Science & Technology, 2020, 54, 12295-12306.	4.6	32
80	Controllable electrolytic formation of Ti₂O as an efficient sulfur host in lithiumâ€“sulfur (Liâ€“S) batteries. Journal of Materials Chemistry A, 2020, 8, 11224-11232.	5.2	32
81	Observation of Structural Decomposition of Na₃V₂(PO₄)₃ and Na₃V₂(PO₄)₂F₃ as Cathodes for Aqueous Zn-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 2797-2807.	2.5	32
82	Polydiaminoanthraquinones with tunable redox properties as high performance organic cathodes for K-ion batteries. Chemical Communications, 2019, 55, 6054-6057.	2.2	31
83	A high-performance carbon with sulfur doped between interlayers and its sodium storage mechanism as anode material for sodium ion batteries. Journal of Alloys and Compounds, 2019, 795, 223-232.	2.8	31
84	A significant cathodic shift in the onset potential and enhanced photoelectrochemical water splitting using Au nanoparticles decorated WO3 nanorod array. Journal of Colloid and Interface Science, 2015, 458, 194-199.	5.0	30
85	Molten salt electrochemical synthesis of sodium titanates as high performance anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 16495-16500.	5.2	30
86	Tuning microstructures of hard carbon for high capacity and rate sodium storage. Chemical Engineering Journal, 2021, 417, 128104.	6.6	30
87	Phosphorus-doped carbon sheets decorated with SeS2 as a cathode for aqueous Zn-SeS2 battery. Chemical Engineering Journal, 2021, 420, 129920.	6.6	30
88	Cu₇Te₄ as an Anode Material and Zn Dendrite Inhibitor for Aqueous Znâ€ion Battery. Advanced Functional Materials, 2022, 32, .	7.8	30
89	The feasibility of UF-RO integrated membrane system combined with coagulation/flocculation for hairwork dyeing effluent reclamation. Science of the Total Environment, 2019, 691, 45-54.	3.9	29
90	Hierarchical porous Fe/N doped carbon nanofibers as host materials for high sulfur loading Liâ€“S batteries. Nanoscale, 2019, 11, 15156-15165.	2.8	29

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91	Preparation of TiO2 microspheres with tunable pore and chamber size for fast gaseous diffusion in photoreduction of CO2 under simulated sunlight. Journal of Colloid and Interface Science, 2019, 539, 194-202.	5.0	29
92	Thrombin-mediated ratiometric two-photon fluorescent probe for selective imaging of endogenous ultratrace glutathione in platelet. Biosensors and Bioelectronics, 2016, 78, 344-350.	5.3	28
93	Investigation of the mechanism of metalâ€“organic frameworks preventing polysulfide shuttling from the perspective of composition and structure. Journal of Materials Chemistry A, 2020, 8, 6661-6669.	5.2	28
94	Fluorescent carbon quantum dots, capacitance and catalysis active porous carbon microspheres from beer. RSC Advances, 2015, 5, 48665-48674.	1.7	26
95	Highly conjugated poly(N-heteroacene) nanofibers for reversible Na storage with ultra-high capacity and a long cycle life. Journal of Materials Chemistry A, 2018, 6, 18592-18598.	5.2	26
96	Utilizing in situ alloying reaction to achieve the self-healing, high energy density and cost-effective Li||Sb liquid metal battery. Journal of Power Sources, 2021, 514, 230578.	4.0	26
97	Synergistic Manipulation of Na⁺ Flux and Surfaceâ€Preferred Effect Enabling Highâ€Arealâ€Capacity and Dendriteâ€Free Sodium Metal Battery. Advanced Science, 2022, 9, e2103845.	5.6	26
98	Increasing the actual energy density of Sb-based liquid metal battery. Journal of Power Sources, 2022, 534, 231428.	4.0	26
99	Electrocatalysis of polysulfide conversion by conductive RuO₂ nano dots for lithiumâ€“sulfur batteries. Nanoscale, 2018, 10, 16730-16737.	2.8	25
100	Advanced Li-organic batteries with super-high capacity and long cycle life via multiple redox reactions. Chemical Engineering Journal, 2019, 373, 501-507.	6.6	24
101	Highly Sensitive Fluorescence Molecular Switch for the Ratio Monitoring of Trace Change of Mitochondrial Membrane Potential. Analytical Chemistry, 2017, 89, 11514-11519.	3.2	23
102	Numerical study on the thermal management system of a liquid metal battery module. Journal of Power Sources, 2018, 392, 181-192.	4.0	23
103	Electrospinning synthesis of Co₃O₄@C nanofibers as a high-performance anode for sodium ion batteries. RSC Advances, 2017, 7, 23122-23126.	1.7	22
104	N/S co-doped carbon coated nickel sulfide as a cycle-stable anode for high performance sodium-ion batteries. Journal of Alloys and Compounds, 2018, 754, 199-206.	2.8	22
105	Selenium as Extra Binding Site for Sulfur Species in Sulfurized Polyacrylonitrile Cathodes for High Capacity Lithiumâ€Sulfur Batteries. ChemElectroChem, 2019, 6, 1365-1370.	1.7	22
106	Rational design of Prussian blue analogues as conversion anodes for lithium-ion batteries with high capacity and long cycle life. Journal of Alloys and Compounds, 2022, 891, 161867.	2.8	22
107	Battery management system for Liâ€ion battery. Journal of Engineering, 2017, 2017, 1437-1440.	0.6	21
108	State of charge and model parameters estimation of liquid metal batteries based on adaptive unscented Kalman filter. Energy Procedia, 2019, 158, 4477-4482.	1.8	21

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109	Thermal Modulation of MOF and Its Application in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 46792-46799.	4.0	21
110	The effect of Fe(III) cations in electrolyte on oxygen evolution catalytic activity of Ni(OH)2 electrode. Journal of Colloid and Interface Science, 2020, 569, 50-56.	5.0	21
111	An unusual temperature gradient crystallization process: facile synthesis of hierarchical ZnO porous hollow spheres with controllable shell numbers. CrystEngComm, 2014, 16, 7933-7941.	1.3	20
112	Facile synthesis of an Fe₃O₄/FeO/Fe/C composite as a high-performance anode for lithium-ion batteries. RSC Advances, 2016, 6, 89715-89720.	1.7	20
113	GP73 N-glycosylation at Asn144 reduces hepatocellular carcinoma cell motility and invasiveness. Oncotarget, 2016, 7, 23530-23541.	0.8	20
114	The Electrochemical Synthesis of LiNbO 2 in Molten Salts and its Application for Lithium Ion Batteries with High Rate Capability. Electrochimica Acta, 2016, 189, 231-236.	2.6	19
115	Molybdenum oxide-iron, cobalt, copper alloy hybrid as efficient bifunctional catalyst for alkali water electrolysis. Journal of Colloid and Interface Science, 2022, 606, 1662-1672.	5.0	19
116	Crystal water assisting MoS2 nanoflowers for reversible zinc storage. Journal of Alloys and Compounds, 2021, 872, 159599.	2.8	18
117	Bi-functional nitrogen-doped carbon protective layer on three-dimensional RGO/SnO2 composites with enhanced electron transport and structural stability for high-performance lithium-ion batteries. Journal of Colloid and Interface Science, 2019, 542, 81-90.	5.0	17
118	A surface chemistry assistant strategy to high power/energy density and cost-effective cathode for sodium ion battery. Journal of Power Sources, 2020, 453, 227879.	4.0	17
119	Enhanced FrÃ¶hlich interaction of semiconductor cuprous oxide films determined by temperatureâ€dependent Raman scattering and spectral transmittance. Journal of Raman Spectroscopy, 2013, 44, 142-146.	1.2	16
120	Aberrant expression of Golgi protein 73 is indicative of a poor outcome in hepatocellular carcinoma. Oncology Reports, 2016, 35, 2141-2150.	1.2	16
121	Lowâ€temperature sintering and electrical properties of Sr₂Nb₂O₇ piezoceramics by CuO addition. Journal of the American Ceramic Society, 2017, 100, 2397-2401.	1.9	16
122	Designing a slope-dominated hybrid nanostructure hard carbon anode for high-safety and high-capacity Na-ion batteries. Journal of Materials Chemistry A, 2020, 8, 22613-22619.	5.2	15
123	Plasmon resonance energy transfer and hot electron injection induced high photocurrent density in liquid junction Ag@Ag₂S sensitized solar cells. Dalton Transactions, 2016, 45, 16275-16282.	1.6	14
124	A novel fusion model based online state of power estimation method for lithium-ion capacitor. Journal of Energy Storage, 2021, 36, 102387.	3.9	14
125	Humulus scandens-Derived Biochars for the Effective Removal of Heavy Metal Ions: Isotherm/Kinetic Study, Column Adsorption and Mechanism Investigation. Nanomaterials, 2021, 11, 3255.	1.9	14
126	Doping effect on the phase transition temperature in ferroelectric SrBi_{2â^'x}Nd_xNb₂O₉ layerâ€structured ceramics: a microâ€Raman scattering study. Journal of Raman Spectroscopy, 2012, 43, 583-587.	1.2	13

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127	Strain and temperature dependent absorption spectra studies for identifying the phase structure and band gap of EuTiO₃ perovskite films. Physical Chemistry Chemical Physics, 2015, 17, 31618-31623.	1.3	13
128	State of charge estimation for liquid metal battery based on an improved sliding mode observer. Journal of Energy Storage, 2022, 45, 103701.	3.9	13
129	Prognostic Risk Model of Immune-Related Genes in Colorectal Cancer. Frontiers in Genetics, 2021, 12, 619611.	1.1	12
130	Adsorption and fouling behaviors of customized nanocomposite membrane to trace pharmaceutically active compounds under multiple influent matrices. Water Research, 2021, 206, 117762.	5.3	11
131	Simultaneous recovery of phosphate and degradation of antibiotics by waste sludge-derived biochar. Chemosphere, 2022, 291, 132832.	4.2	11
132	Effects of additives on palladium nanocrystals supported on multiwalled carbon nanotubes and their electrocatalytic properties toward formic acid oxidation. Ionics, 2014, 20, 259-268.	1.2	10
133	An in situ self-assembled 3D zincophilic heterogeneous metal layer on a zinc metal surface for dendrite-free aqueous zinc-ion batteries. Sustainable Energy and Fuels, 2021, 5, 5843-5850.	2.5	10
134	Multi-field coupled model for liquid metal battery: Comparative analysis of various flow mechanisms and their effects on mass transfer and electrochemical performance. Energy Reports, 2022, 8, 5510-5521.	2.5	10
135	Ultrasensitive recognition of AP sites in DNA at the single-cell level: one molecular rotor sequentially self-regulated to form multiple different stable conformations. Chemical Science, 2019, 10, 10373-10380.	3.7	9
136	Mitigation Effects and Associated Mechanisms of Environmentally Relevant Thiols on the Phytotoxicity of Molybdenum Disulfide Nanosheets. Environmental Science & Technology, 2022, 56, 9556-9568.	4.6	9
137	An In-Situ Highly Sensitive and Reliable Chlorophyll Sensor Based on Pseudo-Random Sequence Modulation. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2314-2322.	2.4	8
138	Low-valence titanium oxides synthesized by electric field control as novel conversion anodes for high performance sodium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 10458-10465.	5.2	8
139	Activation and Monitoring of mtDNA Damage in Cancer Cells via the â€œProton-Triggeredâ€• Decomposition of an Ultrathin Nanosheet. ACS Applied Materials & Interfaces, 2021, 13, 3669-3678.	4.0	8
140	Manganese doping effects on interband electronic transitions, lattice vibrations, and dielectric functions of perovskite-type Ba0.4Sr0.6TiO3 ferroelectric ceramics. Applied Physics A: Materials Science and Processing, 2012, 106, 877-884.	1.1	7
141	Photoinduced transformation of silver ion by molybdenum disulfide nanoflakes at environmentally relevant concentrations attenuates its toxicity to freshwater algae. Journal of Hazardous Materials, 2021, 416, 126043.	6.5	7
142	Electrochemical Properties and Kinetics of Asymmetric Sodium Benzeneâ€1,2,4â€tricarboxylate as an Anode Material for Sodiumâ€Organic Batteries. ChemElectroChem, 2020, 7, 3517-3521.	1.7	6
143	Porous Copper Sulfide Microflowers Grown Inâ€…Situ on Commercial Copper Foils as Advanced Binderâ€Free Electrodes with High Rate and Long Cycle Life for Sodiumâ€Ion Batteries. ChemElectroChem, 2021, 8, 157-163.	1.7	6
144	Dual-factor Synergistically Activated ESIPT-based Probe: Differential Fluorescence Signals to Simultaneously Detect Î±-Naphthyl Acetate and Acid Î±-Naphthyl Acetate Esterase. Analytical Chemistry, 2021, 93, 14471-14480.	3.2	6

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145	Defect-Engineered Graphene Films as Ozonation Catalysts for the Devastation of Sulfamethoxazole: Insights into the Active Sites and Oxidation Mechanism. ACS Applied Materials & Interfaces, 2021, 13, 52706-52716.	4.0	6
146	Electrochemical Synthesis of Potassium Titanate Nanowires in Molten Salts with Good Li⁺-Intercalation Performance. Journal of the Electrochemical Society, 2017, 164, E580-E585.	1.3	5
147	Selfâ€Polymerized Disordered Carbon Enabling High Sodium Storage Performance through Expanded Interlayer Spacing by Bound Sulfur Atoms. ChemElectroChem, 2018, 5, 3206-3212.	1.7	5
148	Establishment of a Risk Signature Based on m6A RNA Methylation Regulators That Predicts Poor Prognosis in Renal Cell Carcinoma. OncoTargets and Therapy, 2021, Volume 14, 413-426.	1.0	5
149	A specific esterase and pH logically regulate ESIPT: different kinds of granulocyte sorting. Chemical Communications, 2022, 58, 2894-2897.	2.2	5
150	Thermal power characteristics of a liquid metal battery. Energy Reports, 2021, 7, 1221-1230.	2.5	5
151	Impact of sulfhydryl ligands on the transformation of silver ions by molybdenum disulfide and their combined toxicity to freshwater algae. Journal of Hazardous Materials, 2022, 435, 128953.	6.5	5
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