

Fuming Chen

List of Publications by Year in descending order

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166
papers

5,820
citations

81743

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174
all docs

174
docs citations

174
times ranked

6122
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward the Extraction of Single Species of Single-Walled Carbon Nanotubes Using Fluorene-Based Polymers. <i>Nano Letters</i> , 2007, 7, 3013-3017.	4.5	314
2	Dual-ions electrochemical deionization: a desalination generator. <i>Energy and Environmental Science</i> , 2017, 10, 2081-2089.	15.6	259
3	Amorphous Bimetallic Oxide@Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn@Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1701410.	11.1	243
4	Recent Advances in Materials and Design of Electrochemically Rechargeable Zinc@Air Batteries. <i>Small</i> , 2018, 14, e1801929.	5.2	192
5	A Prussian blue anode for high performance electrochemical deionization promoted by the faradaic mechanism. <i>Nanoscale</i> , 2017, 9, 13305-13312.	2.8	165
6	A dual-ion electrochemistry deionization system based on AgCl-Na _{0.44} MnO ₂ electrodes. <i>Nanoscale</i> , 2017, 9, 10101-10108.	2.8	137
7	Ultrathin nickel boride nanosheets anchored on functionalized carbon nanotubes as bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 764-774.	5.2	123
8	Milled flake graphite/plasma nano-silicon@carbon composite with void sandwich structure for high performance as lithium ion battery anode at high temperature. <i>Carbon</i> , 2018, 130, 433-440.	5.4	114
9	Nano@RuO ₂ @Decorated Holey Graphene Composite Fibers for Micro@Supercapacitors with Ultrahigh Energy Density. <i>Small</i> , 2018, 14, e1800582.	5.2	113
10	3D carbon foam-supported WS ₂ nanosheets for cable-shaped flexible sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10813-10824.	5.2	112
11	Ultrahigh performance of a novel electrochemical deionization system based on a NaTi ₂ (PO ₄) ₃ /rGO nanocomposite. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18157-18165.	5.2	111
12	A hierarchically porous nickel@copper phosphide nano-foam for efficient electrochemical splitting of water. <i>Nanoscale</i> , 2017, 9, 4401-4408.	2.8	110
13	Low energy consumption dual-ion electrochemical deionization system using NaTi ₂ (PO ₄) ₃ -AgNPs electrodes. <i>Desalination</i> , 2019, 451, 241-247.	4.0	99
14	Hydrogen evolution reaction activity of nickel phosphide is highly sensitive to electrolyte pH. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20390-20397.	5.2	98
15	An aqueous rechargeable chloride ion battery. <i>Energy Storage Materials</i> , 2017, 7, 189-194.	9.5	90
16	MnO ₂ -Based Nanomotors with Active Fenton-like Mn ²⁺ Delivery for Enhanced Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38050-38060.	4.0	77
17	Low energy consumption and mechanism study of redox flow desalination. <i>Chemical Engineering Journal</i> , 2020, 401, 126111.	6.6	75
18	Ethanol-Assisted Graphene Oxide-Based Thin Film Formation at Pentane@Water Interface. <i>Langmuir</i> , 2011, 27, 9174-9181.	1.6	73

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19	2D materials for 1D electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019, 19, 102-123.	9.5	71
20	Coupling desalination and energy storage with redox flow electrodes. <i>Nanoscale</i> , 2018, 10, 12308-12314.	2.8	70
21	Symmetric Sodium-Ion Battery Based on Dual-Electron Reactions of NASICON-Structured $\text{Na}_3\text{MnTi}(\text{PO}_4)_3$ Material. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30328-30335.	4.0	65
22	Aqueous rechargeable dual-ion battery based on fluoride ion and sodium ion electrochemistry. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8244-8250.	5.2	63
23	Regulating Intrinsic Electronic Structures of Transition-Metal-Based Catalysts and the Potential Applications for Electrocatalytic Water Splitting. , 2021, 3, 752-780.		62
24	Mediating effect of coping styles on the association between psychological capital and psychological distress among Chinese nurses: a cross-sectional study. <i>Journal of Psychiatric and Mental Health Nursing</i> , 2017, 24, 114-122.	1.2	61
25	Phosphorus-doped porous hollow carbon nanorods for high-performance sodium-based dual-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4007-4016.	5.2	61
26	Rechargeable Aqueous Zinc-Ion Batteries in $\text{MgSO}_4/\text{ZnSO}_4$ Hybrid Electrolytes. <i>Nano-Micro Letters</i> , 2020, 12, 60.	14.4	60
27	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 102-111.	3.2	57
28	$\text{NaTi}_2(\text{PO}_4)_3\text{-Ag}$ electrodes based desalination battery and energy recovery. <i>FlatChem</i> , 2018, 8, 9-16.	2.8	56
29	Si-based anode with hierarchical protective function and hollow ring-like carbon matrix for high performance lithium ion batteries. <i>Applied Surface Science</i> , 2019, 470, 496-506.	3.1	56
30	Nano-Si/C microsphere with hollow double spherical interlayer and submicron porous structure to enhance performance for lithium-ion battery anode. <i>Electrochimica Acta</i> , 2019, 312, 242-250.	2.6	55
31	Exceeding three-electron reactions in $\text{Na}_{3+2x}\text{Mn}_{1+x}\text{Ti}_{1-x}(\text{PO}_4)_3$ NASICON cathodes with high energy density for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10437-10446.	5.2	55
32	Energy Transfer from Photo-Excited Fluorene Polymers to Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14946-14952.	1.5	54
33	Bifunctional nickel oxide-based nanosheets for highly efficient overall urea splitting. <i>Chemical Communications</i> , 2019, 55, 6555-6558.	2.2	53
34	Solution-Processable Carbon Nanotubes for Semiconducting Thin-Film Transistor Devices. <i>Advanced Materials</i> , 2010, 22, 1278-1282.	11.1	50
35	N-doped C@ZnSe as a low cost positive electrode for aluminum-ion batteries: Better electrochemical performance with high voltage platform of ~ 1.8 V and new reaction mechanism. <i>Electrochimica Acta</i> , 2021, 370, 137790.	2.6	50
36	An organic flow desalination battery. <i>Energy Storage Materials</i> , 2019, 20, 203-207.	9.5	47

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37	Electrochemical Performance of $\text{Sb}_4\text{O}_5\text{Cl}_2$ as a New Anode Material in Aqueous Chloride-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9144-9148.	4.0	44
38	Free-standing graphene paper for energy application: Progress and future scenarios. <i>Carbon</i> , 2019, 150, 292-310.	5.4	43
39	Synthesis of bismuth sulfide nanobelts for high performance broadband photodetectors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2102-2108.	2.7	43
40	Facile synthesis of core-shell structured Si@graphene balls as a high-performance anode for lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 9616-9627.	2.8	43
41	Photocatalytic properties of a new Z-scheme system $\text{BaTiO}_3/\text{In}_2\text{S}_3$ with a core-shell structure. <i>RSC Advances</i> , 2019, 9, 11377-11384.	1.7	41
42	Nitrogen-doped graphene oxide for effectively removing boron ions from seawater. <i>Nanoscale</i> , 2017, 9, 326-333.	2.8	39
43	Low energy consumption flow capacitive deionization with a combination of redox couples and carbon slurry. <i>Carbon</i> , 2020, 170, 487-492.	5.4	39
44	Biological mediated synthesis of RGO-ZnO composites with enhanced photocatalytic and antibacterial activity. <i>Journal of Hazardous Materials</i> , 2021, 409, 124661.	6.5	39
45	Continuous desalination with a metal-free redox-mediator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13941-13947.	5.2	38
46	High energy density of all-screen-printable solid-state microsupercapacitors integrated by graphene/CNTs as hierarchical electrodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12779-12789.	5.2	38
47	Anionic defect-enriched ZnMn_2O_4 nanorods with boosting pseudocapacitance for high-efficient and durable Li/Na storage. <i>Chemical Engineering Journal</i> , 2021, 406, 126133.	6.6	38
48	3D pollen-scaffolded NiSe composite encapsulated by MOF-derived carbon shell as a high-low temperature anode for Na-ion storage. <i>Composites Part B: Engineering</i> , 2019, 179, 107538.	5.9	37
49	High-Throughput Screening of Nitrogen-Coordinated Bimetal Catalysts for Multielectron Reduction of CO_2 to CH_4 with High Selectivity and Low Limiting Potential. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7155-7165.	1.5	36
50	Self-Sustained Visible-Light-Driven Electrochemical Redox Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32788-32796.	4.0	35
51	Recent Progress in Binder-Free Electrodes Synthesis for Electrochemical Energy Storage Application. <i>Batteries and Supercaps</i> , 2021, 4, 860-880.	2.4	35
52	Double-coated Si-based composite composed with carbon layer and graphene sheets with void spaces for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 288, 134-143.	2.6	34
53	Solution-processable semiconducting thin-film transistors using single-walled carbon nanotubes chemically modified by organic radical initiators. <i>Chemical Communications</i> , 2009, , 7182.	2.2	33
54	Recent progress and prospect of flow-electrode electrochemical desalination system. <i>Desalination</i> , 2021, 504, 114964.	4.0	33

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55	Exploration of a photo-redox desalination generator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20169-20175.	5.2	32
56	Iron-modulated nickel cobalt phosphide embedded in carbon to boost power density of hybrid sodium-air battery. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119786.	10.8	32
57	Towards Dendrite-Free Potassium-Metal Batteries: Rational Design of a Multifunctional 3D Polyvinyl Alcohol-Borax Layer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25122-25127.	7.2	32
58	Cultivation of activated sludge using sea mud as seed to treat industrial phenolic wastewater with high salinity. <i>Marine Pollution Bulletin</i> , 2017, 114, 867-870.	2.3	31
59	The optimized flow-electrode capacitive deionization (FCDI) performance by ZIF-8 derived nanoporous carbon polyhedron. <i>Separation and Purification Technology</i> , 2022, 281, 119345.	3.9	30
60	Zinc-Air Battery-Based Desalination Device. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25728-25735.	4.0	29
61	Photocathode-assisted redox flow desalination. <i>Green Chemistry</i> , 2020, 22, 4133-4139.	4.6	29
62	Biowaste-sustained MoSe ₂ composite as an efficient anode for sodium/potassium storage applications. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156770.	2.8	29
63	Acetone-Induced Graphene Oxide Film Formation at the Water-Air Interface. <i>Chemistry - an Asian Journal</i> , 2013, 8, 437-443.	1.7	28
64	A robust and lithiophilic three-dimension framework of CoO nanorod arrays on carbon cloth for cycling-stable lithium metal anodes. <i>Materials Today Energy</i> , 2020, 18, 100520.	2.5	27
65	Poly(3,3'-didodecylquaterthiophene) field effect transistors with single-walled carbon nanotube based source and drain electrodes. <i>Applied Physics Letters</i> , 2007, 91, 223512.	1.5	26
66	Effect of mechanical forces on thermal stability reinforcement for lead based perovskite materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 540-548.	5.2	26
67	3D carbon nanocones/metallic MoS ₂ nanosheet electrodes towards flexible supercapacitors for wearable electronics. <i>Energy</i> , 2021, 227, 120419.	4.5	26
68	Dual-Zinc Electrode Electrochemical Desalination. <i>ChemSusChem</i> , 2020, 13, 2792-2798.	3.6	26
69	Effect of biofloculation on fouling-related biofoulants in a membrane bioreactor during saline wastewater treatments. <i>Bioresource Technology</i> , 2017, 224, 285-291.	4.8	24
70	Achieving High-Quality Freshwater from a Self-Sustainable Integrated Solar Redox-Flow Desalination Device. <i>Small</i> , 2021, 17, e2100490.	5.2	24
71	Metal Phosphides Embedded with In Situ-Formed Metal Phosphate Impurities as Buffer Materials for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101413.	10.2	24
72	Effective photodegradation of tetracycline by narrow-energy band gap photocatalysts La _{2-x} Sr _x NiMnO ₆ (x = 0, 0.05, 0.10, and 0.125). <i>Journal of Alloys and Compounds</i> , 2019, 806, 451-463.	2.8	23

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73	Effects of active species on degrading A-ring of tetracycline in the Z-scheme heterostructured core-shell La(OH) ₃ @BaTiO ₃ composition. <i>Journal of Alloys and Compounds</i> , 2019, 804, 100-110.	2.8	23
74	The composite electrode of Bi@carbon-texture derived from metal-organic frameworks for aqueous chloride ion battery. <i>Ionics</i> , 2020, 26, 2395-2403.	1.2	23
75	Organic pillars pre-intercalated V ⁴⁺ -V ₂ O ₅ ·3H ₂ O nanocomposites with enlarged interlayer and mixed valence for aqueous Zn-ion storage. <i>Applied Surface Science</i> , 2020, 534, 147608.	3.1	23
76	A Nitrogen-Doped Carbon Matrix Aiming at Inhibiting Polysulfide Shuttling for Lithium-Sulfur Batteries. <i>Energy & Fuels</i> , 2020, 34, 10188-10195.	2.5	22
77	Enhanced Desalination Performance of a Flow-Electrode Capacitive Deionization System by Adding Vanadium Redox Couples and Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1234-1239.	1.5	22
78	Constructing volcanic-like mesoporous hard carbon with fast electrochemical kinetics for potassium-ion batteries and hybrid capacitors. <i>Applied Surface Science</i> , 2020, 525, 146563.	3.1	22
79	Co ₃ O ₄ -NP embedded mesoporous carbon rod with enhanced electrocatalytic conversion in lithium-sulfur battery. <i>Scientific Reports</i> , 2018, 8, 16133.	1.6	20
80	Heteroatomic Interface Engineering of MOF-Derived Metal-Embedded P- and N-Codoped Zn Node Porous Polyhedral Carbon with Enhanced Sodium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 8892-8902.	2.5	20
81	Continuous Electrochemical Desalination via a Viologen Redox Flow Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 083503.	1.3	20
82	Sb nanoparticle decorated rGO as a new anode material in aqueous chloride ion batteries. <i>Nanoscale</i> , 2020, 12, 12268-12274.	2.8	20
83	Biodegradation of saline phenolic wastewater in a biological contact oxidation reactor with immobilized cells of <i>Oceanimonas</i> sp.. <i>Biotechnology Letters</i> , 2017, 39, 91-96.	1.1	19
84	Rod-like nitrogen-doped carbon hollow shells for enhanced capacitive deionization. <i>FlatChem</i> , 2018, 7, 10-17.	2.8	19
85	An Aqueous Rechargeable Fluoride Ion Battery with Dual Fluoride Electrodes. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2419-A2424.	1.3	19
86	Scalable preparation of porous nano-silicon/TiN@carbon anode for lithium-ion batteries. <i>Applied Surface Science</i> , 2019, 498, 143829.	3.1	19
87	Cr-Zn Redox Battery with NiFe ₂ O ₄ as Catalyst for Enhanced Degradation of Cr(VI) Pollution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 111-116.	3.2	19
88	High-performance asymmetrical hybrid supercapacitor based on yolk-shell Ni ₃ P nanoparticles constructed by selective etching. <i>Electrochimica Acta</i> , 2020, 357, 136875.	2.6	19
89	Efficient PEDOT Electrode Architecture for Continuous Redox-Flow Desalination. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12779-12787.	3.2	19
90	Analysis of the biodegradation performance and biofouling in a halophilic MBBR-MBR to improve the treatment of disinfected saline wastewater. <i>Chemosphere</i> , 2021, 269, 128716.	4.2	18

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91	Redox-catalysis flow electrode desalination in an organic solvent. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22254-22261.	5.2	18
92	Stable and efficient self-sustained photoelectrochemical desalination based on CdS QDs/BiVO ₄ heterostructure. <i>Chemical Engineering Journal</i> , 2022, 429, 132168.	6.6	18
93	Photoconductivity from Carbon Nanotube Transistors Activated by Photosensitive Polymers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18201-18206.	1.5	17
94	Cucumber-Shaped Construction Combining Bismuth Nanoparticles with Carbon Nanofiber Networks as a Binder-Free and Freestanding Anode for Li-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 8987-8992.	2.5	17
95	Redox flow desalination based on the temperature difference as a driving force. <i>Chemical Engineering Journal</i> , 2021, 416, 127716.	6.6	17
96	[Fe(CN) ₆] vacancy-boosting oxygen evolution activity of Co-based Prussian blue analogues for hybrid sodium-air battery. <i>Materials Today Energy</i> , 2021, 20, 100572.	2.5	17
97	Defect-Rich Amorphous Iron-Based Oxide/Graphene Hybrid-Modified Separator toward the Efficient Capture and Catalysis of Polysulfides. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41698-41706.	4.0	17
98	Li _{1.1} Na _{0.1} Mn _{0.534} Ni _{0.133} Co _{0.133} O ₂ as cathode with ameliorated electrochemical performance based on dual Li ⁺ /Na ⁺ electrolyte. <i>Ionics</i> , 2019, 25, 51-59.	1.2	16
99	Cobalt Nanoparticles Confined in Carbon Cages Derived from Zeolitic Imidazolate Frameworks as Efficient Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 355-363.	2.4	16
100	Nitrogen-Doped Hard Carbon as Symmetric Electrodes for Sodium-Ion Capacitor. <i>Energy & Fuels</i> , 2020, 34, 13144-13148.	2.5	16
101	Electrodeposition of a dendrite-free 3D Al anode for improving cycling of an aluminum-graphite battery. <i>Energy & Fuels</i> , 2022, 4, 155-169.		16
102	Species-Dependent Energy Transfer of Surfactant-Dispersed Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20061-20065.	1.5	15
103	Real-time monitoring of biofoulants in a membrane bioreactor during saline wastewater treatment for anti-fouling strategies. <i>Bioresource Technology</i> , 2017, 224, 183-187.	4.8	15
104	Mosaic Red Phosphorus/MoS ₂ Hybrid as an Anode to Boost Potassium-Ion Storage. <i>ChemElectroChem</i> , 2019, 6, 4689-4695.	1.7	15
105	Nanocatalyst-Assisted Fine Tailoring of Pore Structure in Holey-Graphene for Enhanced Performance in Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36560-36570.	4.0	15
106	Structure Recovery and Recycling of Used LiCoO ₂ Cathode Material. <i>Chemistry - A European Journal</i> , 2021, 27, 14225-14233.	1.7	15
107	Highly Efficient White-Light Emission Triggered by Sb ³⁺ Dopant in Indium-Based Double Perovskites. <i>Advanced Photonics Research</i> , 2021, 2, 2100143.	1.7	15
108	Surface reconstruction establishing Mott-Schottky heterojunction and built-in space-charging effect accelerating oxygen evolution reaction. <i>Nano Research</i> , 2022, 15, 2952-2960.	5.8	15

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109	The influence of manganese ions doping on nanosheet assembly NiFe ₂ O ₄ for the removal of Congo red. <i>Journal of Alloys and Compounds</i> , 2018, 763, 771-780.	2.8	14
110	Plant Oil-Inspired 3D Flower-Like Zn ₃ V ₃ O ₈ Nanospheres Coupled with N-Doped Carbon as Anode Material for Li/Na-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1900754.	1.8	14
111	Hierarchically 3D structured milled lamellar MoS ₂ /nano-silicon@carbon hybrid with medium capacity and long cycling sustainability as anodes for lithium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1840-1850.	5.6	14
112	Control of Graphene Heteroatoms in a Microball Si@Graphene Composite Anode for High-Energy-Density Lithium-Ion Full Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18936-18946.	3.2	14
113	Hierarchically Rambutan-Like Zn ₃ V ₃ O ₈ Hollow Spheres as Anodes for Lithium/Potassium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 2000010.	1.8	14
114	Preparation of a molecularly imprinted sensor based on quartz crystal microbalance for specific recognition of sialic acid in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4387-4395.	1.9	13
115	Facile synthesis of a dual-phase CsPbBr ₃ /CsPb ₂ Br ₅ single crystal and its photoelectric performance. <i>RSC Advances</i> , 2020, 10, 20745-20752.	1.7	13
116	Continuous electrochemical deionization by utilizing the catalytic redox effect of environmentally friendly riboflavin-5'-phosphate sodium. <i>Materials Today Communications</i> , 2020, 23, 100921.	0.9	13
117	The progress and prospect of the solar-driven photoelectrochemical desalination. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 155, 111864.	8.2	13
118	Passive mode locking of ceramic Nd:YAG using (7,5) semiconducting single walled carbon nanotubes. <i>Optical Materials</i> , 2011, 33, 679-683.	1.7	12
119	Two-Dimensional Hybrid Composites of SnS ₂ Nanosheets Array Film with Graphene for Enhanced Photoelectric Performance. <i>Nanomaterials</i> , 2019, 9, 1122.	1.9	12
120	High-Performance Photoresistors Based on Perovskite Thin Film with a High PbI ₂ Doping Level. <i>Nanomaterials</i> , 2019, 9, 505.	1.9	12
121	Lamellar V ₅ O ₁₂ ·6H ₂ O Nanobelts Coupled with Inert Zn(OH) ₂ ·0.5H ₂ O as Cathode for Aqueous Zn ²⁺ /Nonaqueous Na ⁺ Storage Applications. <i>Energy Technology</i> , 2020, 8, 1901105.	1.8	12
122	A first-principles study of fluoride saturation effect on the electronic transport properties of boron-doping armchair graphene nanoribbons. <i>Diamond and Related Materials</i> , 2020, 106, 107824.	1.8	12
123	Co/Fe ₃ O ₄ nanoparticles embedded in N-doped hierarchical porous carbon derived from zeolitic imidazolate frameworks as efficient oxygen reduction electrocatalysts for zinc-air battery-based desalination. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12213-12224.	5.2	12
124	Recovery Li/Co from spent LiCoO ₂ electrode based on an aqueous dual-ion lithium-air battery. <i>Electrochimica Acta</i> , 2020, 332, 135529.	2.6	11
125	Chronological Age Prediction: Developmental Evaluation of DNA Methylation-Based Machine Learning Models. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 819991.	2.0	11
126	Physical Origin of Diminishing Photocatalytic Efficiency for Recycled TiO ₂ Nanotubes and Ag-Loaded TiO ₂ Nanotubes in Organic Aqueous Solution. <i>Catalysts</i> , 2020, 10, 737.	1.6	10

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127	Preparation and study of photocatalytic performance of a novel Z-scheme heterostructured SnS ₂ /BaTiO ₃ composite. <i>Vacuum</i> , 2021, 186, 110052.	1.6	10
128	Enhanced Desalination Capacity and Stability of Alkylamine-Modified Na _{0.71} CoO ₂ for Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1949-1957.	3.2	10
129	A Review of Detection of Antibiotic Residues in Food by Surface-Enhanced Raman Spectroscopy. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-16.	1.8	10
130	Highly enhanced photocatalytic property dominantly owing to the synergic effects of much negative Ecb and S-scheme heterojunctions in composite g-C ₃ N ₄ /Mo-doped WO ₃ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128682.	2.3	10
131	Transmission properties of light through SML quasiperiodic multilayers. <i>Physica B: Condensed Matter</i> , 2004, 351, 19-26.	1.3	9
132	Transmission properties of light through the Family B of generalized Thue-Morse multilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 2509-2514.	0.7	8
133	The electrochemical behaviors of NaF dual battery based on the hybrid electrodes of nano-bismuth@CNTs. <i>Materials Letters</i> , 2018, 233, 332-335.	1.3	8
134	Citrate-based mussel-inspired magnesium whitlockite composite adhesives augmented bone-to-tendon healing. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8202-8210.	2.9	8
135	Zeolitic Imidazolate Framework-Derived Co-Fe@NC for Rechargeable Hybrid Sodium-Air Battery with a Low Voltage Gap and Long Cycle Life. <i>ACS Applied Energy Materials</i> , 2022, 5, 1662-1671.	2.5	8
136	TRANSMISSION PROPERTIES OF LIGHT THROUGH THE FAMILY A OF GENERALIZED THUE-MORSE MULTILAYERS. <i>Modern Physics Letters B</i> , 2005, 19, 655-661.	1.0	7
137	Synthesis and Electrochemical Research of Milled Antimony and Red Phosphorus Hybrid Inlaid with Graphene Sheets as Anodes for Lithium-Sodium Storage. <i>Energy Technology</i> , 2019, 7, 1801022.	1.8	7
138	Self-anti-angiogenesis nanoparticles enhance anti-metastatic-tumor efficacy of chemotherapeutics. <i>Bioactive Materials</i> , 2022, 13, 179-190.	8.6	7
139	Flexible one-dimensional Zn-based electrochemical energy storage devices: recent progress and future perspectives. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26573-26602.	5.2	7
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