

Yuping Wu

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

552
papers

31,310
citations

98
h-index

153
g-index

596
ext. papers

36,410
ext. citations

7.9
avg, IF

7.58
L-index

#	Paper	IF	Citations
552	Freezing-Tolerant Hydrogel Composed of Sulfonated Chitosan and Poly(vinyl alcohol) Featuring Excellent Stretchability and High Proton Conduction. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1466-1474	4.3	1
551	Boosting Polysulfide Catalytic Conversion and Facilitating Li Transportation by Ion-Selective COFs Composite Nanowire for Li ₂ S Batteries.. <i>Small</i> , 2022 , e2106679	11	5
550	Aggregation performance and adhesion behavior of microbes in response to feast/famine condition: Rapid granulation of aerobic granular sludge.. <i>Environmental Research</i> , 2022 , 208, 112780	7.9	0
549	Li O Formation Electrochemistry and Its Influence on Oxygen Reduction/Evolution Reaction Kinetics in Aprotic Li-O Batteries.. <i>Small Methods</i> , 2022 , 6, e2101280	12.8	7
548	Vertical 2-dimensional heterostructure SnS-SnS with built-in electric field on rGO to accelerate charge transfer and improve the shuttle effect of polysulfides. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 120-130	9.3	3
547	Phosphorous-doped 1T-MoS decorated nitrogen-doped g-CN nanosheets for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 320-329	9.3	21
546	High cycle stability of Zn anodes boosted by an artificial electronic/ionic mixed conductor coating layer. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 7645-7652	13	0
545	Li ₄ Ti ₅ O ₁₂ Coating on Copper Foil as Ion Redistributor Layer for Stable Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2022 , 12, 2103112	21.8	3
544	One-Step Hydrothermal Synthesis of Co-Ni-S/Ni Foam as an Electrocatalyst for Nitrogen Reduction Reaction. <i>Materials Today Energy</i> , 2022 , 100995	7	0
543	Threshold potentials for fast kinetics during mediated redox catalysis of insulators in LiD ₂ and LiB batteries. <i>Nature Catalysis</i> , 2022 , 5, 193-201	36.5	9
542	Stress-Tolerant Printed Architectures Toward Stable Cycling of Ultrahigh-Loading Ni-Rich Layered Oxide Cathodes for Wearable Energy Storage Devices. <i>Energy & Fuels</i> , 2022 , 36, 5009-5017	4.1	0
541	Effect of calcination temperature on the electrochemical performance of nickel nanoparticles on carbon coated porous silicon nanospheres anode for lithium-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 648, 129193	5.1	0
540	The Protective Effect of Mulberry Leaf Flavonoids on High-Carbohydrate-Induced Liver Oxidative Stress, Inflammatory Response and Intestinal Microbiota Disturbance in <i>Monopterus albus</i> . <i>Antioxidants</i> , 2022 , 11, 976	7.1	0
539	Electrochemical Sensor for Directional Recognition and Measurement of Antibiotic Resistance Genes in Water.. <i>Analytical Chemistry</i> , 2021 ,	7.8	2
538	Hybrid fibers assembled from MoSe ₂ /graphene heterostructures endow improved supercapacitive performance. <i>Carbon</i> , 2021 , 187, 165-165	10.4	5
537	The physiological and ecological properties of bacterial persisters discovered from municipal sewage sludge and the potential risk. <i>Environmental Research</i> , 2021 , 205, 112481	7.9	0
536	Interaction between organic matter and tetracycline in river sediments in cold regions. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0

535	Regulating Graphitic Carbon Nitride/Cocatalyst by an Amorphous MoS ₂ Conformal Multifunctional Intermediate Layer for Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2021 , 4, 13288-13296 ⁰	6.1	13
534	Core-Shell CoVO/Carbon Composite Anode for Highly Stable and Fast-Charging Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55020-55028	9.5	18
533	Enhanced biogas production in anaerobic digestion of sludge medicated by biochar prepared from excess sludge: Role of persistent free radicals and electron mediators. <i>Bioresource Technology</i> , 2021 , 126422	11	3
532	Porous CoVO Nanodisk as a High-Energy and Fast-Charging Anode for Lithium-Ion Batteries. <i>Nano-Micro Letters</i> , 2021 , 14, 5	19.5	20
531	Considering Critical Factors of Silicon/Graphite Anode Materials for Practical High-Energy Lithium-Ion Battery Applications. <i>Energy & Fuels</i> , 2021 , 35, 944-964	4.1	29
530	The Role of Lipid Metabolism in Influenza A Virus Infection. <i>Pathogens</i> , 2021 , 10,	4.5	3
529	Nonporous Gel Electrolytes Enable Long Cycling at High Current Density for Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14258-14266	9.5	8
528	An Artificial Polyacrylonitrile Coating Layer Confining Zinc Dendrite Growth for Highly Reversible Aqueous Zinc-Based Batteries. <i>Advanced Science</i> , 2021 , 8, e2100309	13.6	73
527	PET imaging of neural activity, Amyloid, and tau in normal brain aging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 3859-3871	8.8	6
526	Regulate Phosphorus Configuration in High P-Doped Hard Carbon as a Superanode for Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12059-12068	9.5	5
525	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8689-8693	16.4	58
524	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie</i> , 2021 , 133, 8771-8775	3.6	5
523	An MSCN-Based Virtual Computing Cell-Oriented BSM Dissemination Mechanism. <i>Mobile Information Systems</i> , 2021 , 2021, 1-13	1.4	
522	The optimization of microbial influenced corrosion resistance of HVOF sprayed nanostructured WC-10Co-4Cr coatings by ultrasound-assisted sealing. <i>Ultrasonics Sonochemistry</i> , 2021 , 72, 105438	8.9	9
521	Metal-modified sludge-based biochar enhance catalytic capacity: Characteristics and mechanism. <i>Journal of Environmental Management</i> , 2021 , 284, 112113	7.9	16
520	Perceived social support in Chinese family caregivers of patients with dementia. <i>International Journal of Nursing Practice</i> , 2021 , e12945	2.3	1
519	A Novel Electrolyte Additive Enables High-Voltage Operation of Nickel-Rich Oxide/Graphite Cells. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4327-4338	6.4	8
518	Fabrication of S,N-Doped Carbon-Coated SnS ₂ /SnS Heterostructures Supported by Hollow Carbon Microspheres for Sodium-Ion Storage. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 050527	3.9	2

517	Organic geochemical evaluation of Cretaceous Talhar Shale for shale oil and gas potential from Lower Indus Basin, Pakistan. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 200, 108404	4.4	6
516	Effect of WC-10Co on cavitation erosion behaviors of AlCoCrFeNi coatings prepared by HVOF spraying. <i>Ceramics International</i> , 2021 , 47, 15121-15128	5.1	4
515	Understanding the dependence of start-up and stability of aerobic granule on pH from the perspective of adhesion behavior and properties of extracellular polymeric substances. <i>Environmental Research</i> , 2021 , 198, 111311	7.9	5
514	Superior potassium storage behavior of hard carbon facilitated by ether-based electrolyte. <i>Carbon</i> , 2021 , 179, 60-67	10.4	2
513	Tailoring the Porous Structure of Mono-dispersed Hierarchically Nitrogen-doped Carbon Spheres for Highly Efficient Oxygen Reduction Reaction. <i>Energy and Environmental Materials</i> , 2021 , 4, 81-87	13	4
512	A simple synthesis of Co ₃ O ₄ @CNT to boost electrochemical nitrogen fixation. <i>Electrochimica Acta</i> , 2021 , 367, 137421	6.7	6
511	On the utilization of supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2021 , 366, 137390	6.7	12
510	Metamorphosis and skeletal development of hybrid <i>Epinephelus awoara</i> (?) and <i>Epinephelus tukula</i> (?) progenies. <i>Aquaculture</i> , 2021 , 530, 735727	4.4	1
509	Wet abrasive wear behavior of WC-based cermet coatings prepared by HVOF spraying. <i>Ceramics International</i> , 2021 , 47, 1829-1836	5.1	16
508	Cavitation erosion characteristics at various flow velocities in NaCl medium of carbide-based cermet coatings prepared by HVOF spraying. <i>Ceramics International</i> , 2021 , 47, 1929-1939	5.1	29
507	Polyarylimide and porphyrin based polymer microspheres for zinc ion hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021 , 405, 127038	14.7	30
506	Acid treatment enhances phosphorus release and recovery from waste activated sludge: Performances and related mechanisms. <i>Science of the Total Environment</i> , 2021 , 763, 142947	10.2	9
505	Understanding of the mechanism of extracellular polymeric substances of aerobic granular sludge against tetracycline from the perspective of fluorescence properties. <i>Science of the Total Environment</i> , 2021 , 756, 144054	10.2	9
504	Optimal utilization of fluoroethylene carbonate in potassium ion batteries. <i>Chemical Communications</i> , 2021 , 57, 1607-1610	5.8	4
503	An Economical High-Throughput "FP-Tag" Assay for Screening Glycosyltransferase Inhibitors*. <i>ChemBioChem</i> , 2021 , 22, 1391-1395	3.8	1
502	Highly stabilized sulfur cathode with natural fenugreek gum as binder. <i>Chemical Engineering Journal</i> , 2021 , 421, 127769	14.7	4
501	Favorable anion adsorption/desorption of high rate NiSe ₂ nanosheets/hollow mesoporous carbon for battery-supercapacitor hybrid devices. <i>Nano Research</i> , 2021 , 14, 2574-2583	10	15
500	Latest Advances in High-Voltage and High-Energy-Density Aqueous Rechargeable Batteries. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 1-34	29.3	52

499	A selenium-doped carbon anode of high performance for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 457-464	2.6	1
498	Computational Design of Single Mo Atom Anchored Defective Boron Phosphide Monolayer as a High-performance Electrocatalyst for the Nitrogen Reduction Reaction. <i>Energy and Environmental Materials</i> , 2021 , 4, 255-262	13	18
497	Critical Advances in Ambient Air Operation of Nonaqueous Rechargeable Li-Air Batteries. <i>Small</i> , 2021 , 17, e1903854	11	18
496	Particulate organic carbon is more vulnerable to nitrogen addition than mineral-associated organic carbon in soil of an alpine meadow. <i>Plant and Soil</i> , 2021 , 458, 93-103	4.2	4
495	The allometry of plant height explains species loss under nitrogen addition. <i>Ecology Letters</i> , 2021 , 24, 553-562	10	5
494	A binary PMMA/PVDF blend film modified substrate enables a superior lithium metal anode for lithium batteries. <i>Materials Advances</i> , 2021 , 2, 4240-4245	3.3	6
493	CoO@NiCoO double-shelled nanocages with hierarchical hollow structure and oxygen vacancies as efficient bifunctional electrocatalysts for rechargeable Zn-air batteries. <i>Dalton Transactions</i> , 2021 , 50, 2093-2101	4.3	3
492	Exceeding three-electron reactions in Na _{3+2x} Mn _{1+x} Ti _{1-x} (PO ₄) ₃ NASICON cathodes with high energy density for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10437-10446	13	12
491	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	3.8	6
490	A Three-Term Gradient Descent Method with Subspace Techniques. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-7	1.1	5
489	Diagnosing the SEI Layer in a Potassium Ion Battery Using Distribution of Relaxation Time. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2064-2071	6.4	7
488	SnS Nanoparticles Grown on Sn-Atom-Modified N,S-Codoped Mesoporous Carbon Nanosheets as Electrocatalysts for CO ₂ Reduction to Formate. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2257-2264	5.6	4
487	In situ growth of vertically aligned ultrathin MoS ₂ on porous g-C ₃ N ₄ for efficient photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2021 , 554, 149617	6.7	11
486	Electrochemical Reduction of CO Toward C Valuables on Cu@Ag Core-Shell Tandem Catalyst with Tunable Shell Thickness. <i>Small</i> , 2021 , 17, e2102293	11	12
485	A sensor of liquid methanol for direct methanol fuel cells. <i>Analytica Chimica Acta</i> , 2021 , 1177, 338785	6.6	1
484	Electrochemical properties and cavitation erosion behaviors of HVOF sprayed (AlCoCrFeNi) _{1-x} (WC-10Co) _x composite coatings in NaCl medium. <i>Ceramics International</i> , 2021 , 47, 29410-29422	5.1	2
483	Understanding the role of cations and hydrogen bonds on the stability of aerobic granules from the perspective of the aggregation and adhesion behavior of extracellular polymeric substances. <i>Science of the Total Environment</i> , 2021 , 795, 148659	10.2	6
482	Formation of noble-metal-free 2D/2D ZnIn ₂ Sm ₃ (m ²⁺ , 2, 3)/MXene Schottky heterojunction as an efficient photocatalyst for hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 424, 130170	14.7	9

481	Alternating nitrogen feeding strategy induced aerobic granulation: Influencing conditions and mechanism. <i>Journal of Environmental Sciences</i> , 2021 , 109, 135-147	6.4	3
480	Mechanism of removal and degradation characteristics of dicamba by biochar prepared from Fe-modified sludge. <i>Journal of Environmental Management</i> , 2021 , 299, 113602	7.9	3
479	Sulfur nanoparticles/TiCT MXene with an optimum sulfur content as a cathode for highly stable lithium-sulfur batteries. <i>Dalton Transactions</i> , 2021 , 50, 5574-5581	4.3	5
478	Nanomaterials for the electrochemical nitrogen reduction reaction under ambient conditions. <i>Nanoscale Advances</i> , 2021 , 3, 5525-5541	5.1	7
477	CoS Nanoparticles Anchored on MoS Nanorods As a Superior Bifunctional Electrocatalyst Boosting Li O Heteroepitaxial Growth for Rechargeable Li-O Batteries.. <i>Small</i> , 2021 , e2105752	11	3
476	A Universal Strategy For N-Doped 2D Carbon Nanosheets With Sub-Nanometer Micropore For High-Performance Supercapacitor. <i>Energy and Environmental Materials</i> , 2020 ,	13	5
475	Dynamic Mechanochromic Optics with Tunable Strain Sensitivity for Strain-Responsive Digit Display. <i>Advanced Optical Materials</i> , 2020 , 8, 2001472	8.1	14
474	Carbon-Coated SnS Nanosheets Supported on Porous Microspheres as Negative Electrode Material for Sodium-Ion Batteries. <i>Energy Technology</i> , 2020 , 8, 2000258	3.5	12
473	Asynchrony among species and functional groups and temporal stability under perturbations: Patterns and consequences. <i>Journal of Ecology</i> , 2020 , 108, 2038-2046	6	8
472	Study of spherical Li _{1.2-x} NaxMn _{0.534} Ni _{0.133} Co _{0.133} O ₂ cathode based on dual Li ⁺ /Na ⁺ transport system for Li-ion batteries. <i>Solid State Ionics</i> , 2020 , 350, 115326	3.3	6
471	Biochar derived from pyrolysis of oily sludge waste: Structural characteristics and electrochemical properties. <i>Journal of Environmental Management</i> , 2020 , 268, 110734	7.9	16
470	Shifts in plant community composition weaken the negative effect of nitrogen addition on community-level arbuscular mycorrhizal fungi colonization. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200483	4.4	3
469	Promoting electrocatalytic nitrogen reduction to ammonia via Fe-boosted nitrogen activation on MnO ₂ surfaces. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13679-13684	13	21
468	Ultrasmall Polymer Nanoparticles Formed by Instantaneous Nanosplitting of Surfactant-Free Emulsion. <i>Langmuir</i> , 2020 , 36, 7933-7942	4	0
467	A three-dimensional interconnected nitrogen-doped graphene-like porous carbon-modified separator for high-performance LiB batteries. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4264-4272	5.8	2
466	Construction of Hierarchical Hollow MoS ₂ /Carbon Microspheres for Enhanced Lithium Storage Performance. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 100525	3.9	5
465	Preparation of a porous graphite felt electrode for advance vanadium redox flow batteries.. <i>RSC Advances</i> , 2020 , 10, 13374-13378	3.7	6
464	A Stimulus-Responsive Zinc-Iodine Battery with Smart Overcharge Self-Protection Function. <i>Advanced Materials</i> , 2020 , 32, e2000287	24	53

463	Functional CdS nanocomposites recovered from biomineralization treatment of sulfate wastewater and its applications in the perspective of photocatalysis and electrochemistry. <i>Science of the Total Environment</i> , 2020 , 742, 140646	10.2	16
462	Facile and scalable synthesis of a sulfur, selenium and nitrogen co-doped hard carbon anode for high performance Na- and K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14993-15001	13	29
461	Versatile Synthesis of Ultrafine Ternary Spinel Oxides/Carbon Nanohybrids toward the Oxygen Reduction Reaction. <i>Energy & Fuels</i> , 2020 , 34, 9069-9075	4.1	2
460	Limited inorganic N niche partitioning by nine alpine plant species after long-term nitrogen addition. <i>Science of the Total Environment</i> , 2020 , 718, 137270	10.2	5
459	Interlaced Pd-Ag nanowires rich in grain boundary defects for boosting oxygen reduction electrocatalysis. <i>Nanoscale</i> , 2020 , 12, 5368-5373	7.7	12
458	Two-dimensional/one-dimensional molybdenum sulfide (MoS) nanoflake/graphitic carbon nitride (g-CN) hollow nanotube photocatalyst for enhanced photocatalytic hydrogen production activity. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 300-307	9.3	51
457	An Aqueous Hybrid Zinc-Bromine Battery with High Voltage and Energy Density. <i>ChemElectroChem</i> , 2020 , 7, 1531-1536	4.3	20
456	Toward heat-tolerant potassium batteries based on pyrolyzed selenium disulfide/polyacrylonitrile positive electrode and gel polymer electrolyte. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4544-4551	13	10
455	Dilution effect of plant diversity on infectious diseases: latitudinal trend and biological context dependence. <i>Oikos</i> , 2020 , 129, 457-465	4	18
454	High-Rate Layered Cathode of Lithium-Ion Batteries through Regulating Three-Dimensional Agglomerated Structure. <i>Energies</i> , 2020 , 13, 1602	3.1	6
453	Highly Stabilized Silicon Nanoparticles for Lithium Storage via Hierarchical Carbon Architecture. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4777-4786	6.1	10
452	Functional and phylogenetic diversity explain different components of diversity effects on biomass production. <i>Oikos</i> , 2020 , 129, 1185-1195	4	9
451	Synthesis of salicylic acid-modified graphite carbon nitride for enhancing photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2020 , 571, 318-325	9.3	19
450	Modifications of Separators for LiB Batteries with Improved Electrochemical Performance. <i>Russian Journal of Electrochemistry</i> , 2020 , 56, 365-377	1.2	8
449	A self-smoothing Li-metal anode enabled via a hybrid interface film. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12045-12054	13	15
448	Polymer Electrolytes for Lithium Ion Batteries and Challenges: Part I 2020 , 187-199		0
447	Enhancement of anaerobic degradation of petroleum hydrocarbons by electron intermediate: Performance and mechanism. <i>Bioresource Technology</i> , 2020 , 295, 122305	11	9
446	Foliar fungal diseases respond differently to nitrogen and phosphorus additions in Tibetan alpine meadows. <i>Ecological Research</i> , 2020 , 35, 162-169	1.9	2

445	A high voltage aqueous zinc-manganese battery using a hybrid alkaline-mild electrolyte. <i>Chemical Communications</i> , 2020 , 56, 2039-2042	5.8	27
444	Warum altern Lithium-Ionen-Batterien?. <i>Chemie in Unserer Zeit</i> , 2020 , 54, 180-187	0.2	
443	Urchin-like 3D NiFe ₂ O ₄ with 1D radially oriented nanorods as anode for lithium-ion based dual-ion pseudocapacitor. <i>Electrochimica Acta</i> , 2020 , 333, 135557	6.7	13
442	Co-Ni Alloy Encapsulated by N-doped Graphene as a Cathode Catalyst for Rechargeable Hybrid Li-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4366-4372	9.5	22
441	Highly dispersed Co-Mo sulfide nanoparticles on reduced graphene oxide for lithium and sodium ion storage. <i>Nano Research</i> , 2020 , 13, 188-195	10	17
440	Fully Conjugated Phthalocyanine Copper Metal-Organic Frameworks for Sodium-Iodine Batteries with Long-Time-Cycling Durability. <i>Advanced Materials</i> , 2020 , 32, e1905361	24	83
439	Understanding the role of extracellular polymeric substances in the rheological properties of aerobic granular sludge. <i>Science of the Total Environment</i> , 2020 , 705, 135948	10.2	28
438	A multifunctional separator for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020 , 334, 135486	6.7	16
437	Thermal pyrolysis of Si@ZIF-67 into Si@N-doped CNTs towards highly stable lithium storage. <i>Science Bulletin</i> , 2020 , 65, 452-459	10.6	26
436	Conductive Polymer Coated Cathodes in LiD ₂ Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 951-956	6.1	9
435	Ant assemblage composition explains high predation pressure on artificial caterpillars during early night. <i>Ecological Entomology</i> , 2020 , 45, 547-554	2.1	4
434	Improving Electrochemical Stability and Low-Temperature Performance with Water/Acetonitrile Hybrid Electrolytes. <i>Advanced Energy Materials</i> , 2020 , 10, 1902654	21.8	83
433	A Fully Aqueous Hybrid Electrolyte Rechargeable Battery with High Voltage and High Energy Density. <i>Advanced Energy Materials</i> , 2020 , 10, 2001583	21.8	21
432	Diet Shifts Explain Temporal Trends of Pollutant Levels in Indo-Pacific Humpback Dolphins () from the Pearl River Estuary, China. <i>Environmental Science & Technology</i> , 2020 , 54, 13110-13120	10.3	4
431	A defective g-CN/RGO/TiO composite from hydrogen treatment for enhanced visible-light photocatalytic H ₂ production. <i>Nanoscale</i> , 2020 , 12, 22030-22035	7.7	14
430	Advances in rechargeable Mg batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25601-25625	13	35
429	Copper Doped Li ₃ VO ₄ as Anode Material for Lithium-ion Batteries. <i>Electroanalysis</i> , 2020 , 32, 2635-2641	3	4
428	Boosting Capacitive Sodium-Ion Storage in Electrochemically Exfoliated Graphite for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52635-52642	9.5	13

427	Co-N-Doped Carbon as an Efficient Catalyst for Lithium-Oxygen Batteries. <i>Energy & Fuels</i> , 2020 , 34, 10225-10231	4.1	7
426	Highly efficient Co ₃ O ₄ /Co@NCs bifunctional oxygen electrocatalysts for long life rechargeable Zn-air batteries. <i>Nano Energy</i> , 2020 , 77, 105200	17.1	30
425	Nylon-Based Composite Gel Membrane Fabricated via Sequential Layer-by-Layer Electrospinning for Rechargeable Lithium Batteries with High Performance. <i>Polymers</i> , 2020 , 12,	4.5	3
424	Layered TiS ₂ as a Promising Host Material for Aqueous Rechargeable Zn Ion Battery. <i>Energy & Fuels</i> , 2020 , 34, 11590-11596	4.1	10
423	Binder-free One-dimensional NiCo ₂ O ₄ [email-protected] Papers Composite as an Anode for Lithium-Ion Batteries. <i>Energy & Fuels</i> , 2020 , 34, 13111-13117	4.1	8
422	Zinc-Carbon Paper Composites as Anodes for Zn-Ion Batteries: Key Impacts on Their Electrochemical Behaviors. <i>Energy & Fuels</i> , 2020 , 34, 13118-13125	4.1	5
421	Improving Electrochemical Properties by Sodium Doping for Lithium-Rich Layered Oxides. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8953-8959	6.1	12
420	A High-Quality Monoclinic Nickel Hexacyanoferrate for Aqueous Zinc-Sodium Hybrid Batteries. <i>Energy & Fuels</i> , 2020 , 34, 13104-13110	4.1	6
419	In Pursuit of a Dendrite-Free Electrolyte/Electrode Interface on Lithium Metal Anodes: A Minireview. <i>Energy & Fuels</i> , 2020 , 34, 10503-10512	4.1	12
418	Thiocyanate Ion Ligand-Induced Atomically Dispersed Fe-Ni Tridoped Hollow Catalyst for High-Performance Zinc-Air Rechargeable Batteries. <i>Energy & Fuels</i> , 2020 , 34, 11620-11627	4.1	5
417	SnS ₂ /N-Doped Graphene as a Superior Stability Anode for Potassium-Ion Batteries by Inhibiting Shuttle Effect. <i>Batteries and Supercaps</i> , 2020 , 3, 56-59	5.6	15
416	Defective synergy of 2D graphitic carbon nanosheets promotes lithium-ion capacitors performance. <i>Energy Storage Materials</i> , 2020 , 24, 304-311	19.4	25
415	Rational Design of Hydroxyl-Rich Ti ₃ C ₂ T _x MXene Quantum Dots for High-Performance Electrochemical N ₂ Reduction. <i>Advanced Energy Materials</i> , 2020 , 10, 2000797	21.8	81
414	Layered VSe ₂ : a promising host for fast zinc storage and its working mechanism. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9313-9321	13	29
413	Enhancing the Catalytic Kinetics of Electrodes by using a Multidimensional Carbon Network for Applications in Vanadium Redox Flow Batteries. <i>ChemElectroChem</i> , 2020 , 7, 1023-1028	4.3	4
412	A high-voltage aqueous lithium ion capacitor with high energy density from an alkaline-neutral electrolyte. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4110-4118	13	42
411	Ambient electrochemical N ₂ -to-NH ₃ fixation enabled by Nb ₂ O ₅ nanowire array. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 423-427	6.8	33
410	Medium-Bandgap Conjugated Polymer Donors for Organic Photovoltaics. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900074	4.8	25

409	Cascade alkylation and deuteration with aryl iodides via Pd/norbornene catalysis: an efficient method for the synthesis of congested deuterium-labeled arenes. <i>Chemical Communications</i> , 2019 , 55, 8567-8570	5.8	10
408	Lithium Bis(oxalate)borate Reinforces the Interphase on Li-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20854-20863	9.5	33
407	An acetylene black modified gel polymer electrolyte for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13679-13686	13	44
406	Reclaiming graphite from spent lithium ion batteries ecologically and economically. <i>Electrochimica Acta</i> , 2019 , 313, 423-431	6.7	53
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