

# Yuping Wu

## List of Publications by Citations

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552  
papers

31,310  
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596  
ext. papers

36,410  
ext. citations

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7.58  
L-index

#	Paper	IF	Citations
552	Latest advances in supercapacitors: from new electrode materials to novel device designs. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6816-6854	58.5	1120
551	Thermal runaway mechanism of lithium ion battery for electric vehicles: A review. <i>Energy Storage Materials</i> , <b>2018</b> , 10, 246-267	19.4	998
550	Carbon anode materials for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2003</b> , 114, 228-236	8.9	602
549	Electrochemical Performance of MnO <sub>2</sub> Nanorods in Neutral Aqueous Electrolytes as a Cathode for Asymmetric Supercapacitors. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14020-14027	3.8	567
548	Cathode materials modified by surface coating for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 3872-3883	6.7	494
547	Core-shell Structure of Polypyrrole Grown on V <sub>2</sub> O <sub>5</sub> Nanoribbon as High Performance Anode Material for Supercapacitors. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 950-955	21.8	434
546	Electrode materials for aqueous asymmetric supercapacitors. <i>RSC Advances</i> , <b>2013</b> , 3, 13059	3.7	407
545	Doping effects of zinc on LiFePO <sub>4</sub> cathode material for lithium ion batteries. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 1553-1557	5.1	377
544	Surface modifications of electrode materials for lithium ion batteries. <i>Solid State Sciences</i> , <b>2006</b> , 8, 113-124	3.8	328
543	A new cheap asymmetric aqueous supercapacitor: Activated carbon//NaMnO <sub>2</sub> . <i>Journal of Power Sources</i> , <b>2009</b> , 194, 1222-1225	8.9	312
542	Porous LiMn <sub>2</sub> O <sub>4</sub> as cathode material with high power and excellent cycling for aqueous rechargeable lithium batteries. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3985	35.4	307
541	An Aqueous Rechargeable Zn//Co <sub>3</sub> O <sub>4</sub> Battery with High Energy Density and Good Cycling Behavior. <i>Advanced Materials</i> , <b>2016</b> , 28, 4904-11	24	305
540	LiMn <sub>2</sub> O <sub>4</sub> nanotube as cathode material of second-level charge capability for aqueous rechargeable batteries. <i>Nano Letters</i> , <b>2013</b> , 13, 2036-40	11.5	299
539	Aqueous rechargeable lithium batteries as an energy storage system of superfast charging. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2093	35.4	290
538	Composite of a nonwoven fabric with poly(vinylidene fluoride) as a gel membrane of high safety for lithium ion battery. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 618-624	35.4	287
537	Hollow structured Li <sub>3</sub> VO <sub>4</sub> wrapped with graphene nanosheets in situ prepared by a one-pot template-free method as an anode for lithium-ion batteries. <i>Nano Letters</i> , <b>2013</b> , 13, 4715-20	11.5	270
536	Aqueous supercapacitors of high energy density based on MoO <sub>3</sub> nanoplates as anode material. <i>Chemical Communications</i> , <b>2011</b> , 47, 10058-60	5.8	266

535	A novel carbon-coated LiCoO <sub>2</sub> as cathode material for lithium ion battery. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1228-1232	5.1	266
534	V <sub>2</sub> O <sub>5</sub> ·0.6H <sub>2</sub> O nanoribbons as cathode material for asymmetric supercapacitor in K <sub>2</sub> SO <sub>4</sub> solution. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1325-1328	5.1	258
533	Ambient N <sub>2</sub> fixation to NH <sub>3</sub> at ambient conditions: Using Nb <sub>2</sub> O <sub>5</sub> nanofiber as a high-performance electrocatalyst. <i>Nano Energy</i> , <b>2018</b> , 52, 264-270	17.1	256
532	High-Performance Electrocatalytic Conversion of N <sub>2</sub> to NH <sub>3</sub> Using Oxygen-Vacancy-Rich TiO <sub>2</sub> In Situ Grown on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803406	21.8	230
531	MoO <sub>3</sub> Nanobelts: A High Performance Cathode Material for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21868-21872	3.8	222
530	Kinetic study on LiFePO <sub>4</sub> /C nanocomposites synthesized by solid state technique. <i>Journal of Power Sources</i> , <b>2006</b> , 159, 717-720	8.9	222
529	Preparation and characteristic of carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode material. <i>Journal of Power Sources</i> , <b>2007</b> , 174, 1109-1112	8.9	217
528	An aqueous rechargeable battery based on zinc anode and Na(0.95)MnO <sub>2</sub> . <i>Chemical Communications</i> , <b>2014</b> , 50, 1209-11	5.8	204
527	A Composite Gel Polymer Electrolyte with High Performance Based on Poly(Vinylidene Fluoride) and Polyborate for Lithium Ion Batteries. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300647	21.8	202
526	Nanostructured positive electrode materials for post-lithium ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3570-3611	35.4	202
525	An aqueous rechargeable lithium battery of excellent rate capability based on a nanocomposite of MoO <sub>3</sub> coated with PPy and LiMn <sub>2</sub> O <sub>4</sub> . <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6909	35.4	200
524	Electrode materials for lithium secondary batteries prepared by sol-gel methods. <i>Progress in Materials Science</i> , <b>2005</b> , 50, 881-928	42.2	200
523	An aqueous rechargeable lithium battery with good cycling performance. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 295-7	16.4	199
522	Study on electrochemical performance of activated carbon in aqueous Li <sub>2</sub> SO <sub>4</sub> , Na <sub>2</sub> SO <sub>4</sub> and K <sub>2</sub> SO <sub>4</sub> electrolytes. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1652-1655	5.1	194
521	Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. <i>Nano Energy</i> , <b>2019</b> , 57, 22-33	17.1	193
520	Fabrication of a graphene/cuprous oxide composite. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2486-2490	3.3	191
519	Graphene wrapped LiFePO <sub>4</sub> /C composites as cathode materials for Li-ion batteries with enhanced rate capability. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16465		185
518	An aqueous rechargeable lithium battery using coated Li metal as anode. <i>Scientific Reports</i> , <b>2013</b> , 3, 14014	4.9	174

517	Effects of heteroatoms on electrochemical performance of electrode materials for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 3491-3507	6.7	172
516	Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 632-645	19.4	170
515	A cheap asymmetric supercapacitor with high energy at high power: Activated carbon//K <sub>0.27</sub> MnO <sub>2</sub> ·0.6H <sub>2</sub> O. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 2789-2794	8.9	170
514	Polypyrrole-coated β-MoO <sub>3</sub> nanobelts with good electrochemical performance as anode materials for aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13582	13	164
513	Mo <sub>2</sub> C/CNT: An Efficient Catalyst for Rechargeable Li-O <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700564	15.6	158
512	A Quasi-Solid-State Sodium-Ion Capacitor with High Energy Density. <i>Advanced Materials</i> , <b>2015</b> , 27, 6962-84	8.4	155
511	A new single-ion polymer electrolyte based on polyvinyl alcohol for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 113-118	6.7	153
510	Preparation and electrochemical properties of core-shell Si/SiO <sub>2</sub> nanocomposite as anode material for lithium ion batteries. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 886-890	5.1	153
509	Tremella-like molybdenum dioxide consisting of nanosheets as an anode material for lithium ion battery. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 118-122	5.1	151
508	Co <sub>3</sub> O <sub>4</sub> @MWCNT nanocable as cathode with superior electrochemical performance for supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2280-5	9.5	147
507	Adsorption removal of cesium from drinking waters: a mini review on use of biosorbents and other adsorbents. <i>Bioresource Technology</i> , <b>2014</b> , 160, 142-9	11	146
506	A trilayer poly(vinylidene fluoride)/polyborate/poly(vinylidene fluoride) gel polymer electrolyte with good performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7790	13	144
505	Facile spray-drying/pyrolysis synthesis of core-shell structure graphite/silicon-porous carbon composite as a superior anode for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 721-728	8.9	141
504	Preparation of carbon coated MoO <sub>2</sub> nanobelts and their high performance as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13148		139
503	Mechanism of lithium storage in low temperature carbon. <i>Carbon</i> , <b>1999</b> , 37, 1901-1908	10.4	139
502	In-Situ Fabrication of Graphene Oxide Hybrid Ni-Based Metal-Organic Framework (Ni-MOFs@GO) with Ultrahigh Capacitance as Electrochemical Pseudocapacitor Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28904-28916	9.5	134
501	A hybrid of V <sub>2</sub> O <sub>5</sub> nanowires and MWCNTs coated with polypyrrole as an anode material for aqueous rechargeable lithium batteries with excellent cycling performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20143		131
500	A novel sandwiched membrane as polymer electrolyte for lithium ion battery. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1700-1703	5.1	131

499	A dense cellulose-based membrane as a renewable host for gel polymer electrolyte of lithium ion batteries. <i>Journal of Membrane Science</i> , <b>2015</b> , 476, 112-118	9.6	130
498	Synthesis, characterization and lithium-storage performance of MoO <sub>2</sub> /carbon hybrid nanowires. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2807		129
497	Natural macromolecule based carboxymethyl cellulose as a gel polymer electrolyte with adjustable porosity for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 368-375	8.9	128
496	Ultrathin NiCo <sub>2</sub> S <sub>4</sub> @graphene with a core-shell structure as a high performance positive electrode for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5856-5861	13	128
495	Size Tunable ZnO Nanoparticles To Enhance Electron Injection in Solution Processed QLEDs. <i>ACS Photonics</i> , <b>2016</b> , 3, 215-222	6.3	128
494	Earth-Abundant Copper-Based Bifunctional Electrocatalyst for Both Catalytic Hydrogen Production and Water Oxidation. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1530-1538	13.1	127
493	Three-dimensional ordered porous electrode materials for electrochemical energy storage. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	126
492	A Large Scalable and Low-Cost Sulfur/Nitrogen Dual-Doped Hard Carbon as the Negative Electrode Material for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901379	21.8	125
491	Synthesis and electrochemical performance of novel core/shell structured nanocomposites. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 1-4	5.1	125
490	N-doped carbon hollow microspheres for metal-free quasi-solid-state full sodium-ion capacitors. <i>Nano Energy</i> , <b>2017</b> , 41, 674-680	17.1	124
489	Microbial communities of aerobic granules: granulation mechanisms. <i>Bioresource Technology</i> , <b>2014</b> , 169, 344-351	11	124
488	MoO <sub>2</sub> synthesized by reduction of MoO <sub>3</sub> with ethanol vapor as an anode material with good rate capability for the lithium ion battery. <i>Journal of Power Sources</i> , <b>2008</b> , 179, 357-360	8.9	124
487	A sodium ion conducting gel polymer electrolyte. <i>Solid State Ionics</i> , <b>2015</b> , 269, 1-7	3.3	122
486	Nano-LiCoO <sub>2</sub> as cathode material of large capacity and high rate capability for aqueous rechargeable lithium batteries. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1524-1526	5.1	122
485	Self-Supported Copper Oxide Electrocatalyst for Water Oxidation at Low Overpotential and Confirmation of Its Robustness by Cu K-Edge X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 831-840	3.8	118
484	Enhanced electrochemical and mechanical properties of P(VDF-HFP)-based composite polymer electrolytes with SiO <sub>2</sub> nanowires. <i>Journal of Membrane Science</i> , <b>2011</b> , 379, 80-85	9.6	118
483	Identification of nano-sized holes by TEM in the graphene layer of graphite and the high rate discharge capability of Li-ion battery anodes. <i>Electrochimica Acta</i> , <b>2007</b> , 53, 1055-1061	6.7	117
482	Nanoporous selenium as a cathode material for rechargeable lithium-selenium batteries. <i>Chemical Communications</i> , <b>2013</b> , 49, 11515-7	5.8	115

481	Aqueous rechargeable lithium battery (ARLB) based on $\text{LiV}_3\text{O}_8$ and $\text{LiMn}_2\text{O}_4$ with good cycling performance. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1873-1876	5.1	115
480	Preparation of Nanowire Arrays of Amorphous Carbon Nanotube-Coated Single Crystal $\text{SnO}_2$ . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2612-2614	9.6	114
479	Nanochain $\text{LiMn}_2\text{O}_4$ as ultra-fast cathode material for aqueous rechargeable lithium batteries. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 205-208	5.1	113
478	Efficient and durable N reduction electrocatalysis under ambient conditions: $\beta\text{-FeOOH}$ nanorods as a non-noble-metal catalyst. <i>Chemical Communications</i> , <b>2018</b> , 54, 11332-11335	5.8	113
477	A $\text{ZnNiO}$ rechargeable battery with long lifespan and high energy density. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8280-8283	13	112
476	A hybrid of $\text{MnO}_2$ nanowires and MWCNTs as cathode of excellent rate capability for supercapacitors. <i>Journal of Power Sources</i> , <b>2012</b> , 197, 330-333	8.9	112
475	Porous $\text{NiO}$ fibers prepared by electrospinning as high performance anode materials for lithium ion batteries. <i>Electrochemistry Communications</i> , <b>2012</b> , 23, 5-8	5.1	112
474	Cadmium sulfide/graphitic carbon nitride heterostructure nanowire loading with a nickel hydroxide cocatalyst for highly efficient photocatalytic hydrogen production in water under visible light. <i>Nanoscale</i> , <b>2016</b> , 8, 4748-56	7.7	111
473	Mesoporous germanium as anode material of high capacity and good cycling prepared by a mechanochemical reaction. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 418-421	5.1	111
472	Gel polymer electrolytes for lithium ion batteries: Fabrication, characterization and performance. <i>Solid State Ionics</i> , <b>2018</b> , 318, 2-18	3.3	110
471	Intrinsically conducting polymers in electrochemical energy technology: Trends and progress. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 93-107	6.7	110
470	Titanium incorporated with $\text{UiO-66}(\text{Zr})$ -type Metal-Organic Framework (MOF) for photocatalytic application. <i>RSC Advances</i> , <b>2016</b> , 6, 3671-3679	3.7	109
469	ZIF-8@MWCNT-derived carbon composite as electrode of high performance for supercapacitor. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 260-269	6.7	108
468	Nanoporous $\text{LiNi}(1/3)\text{Co}(1/3)\text{Mn}(1/3)\text{O}_2$ as an ultra-fast charge cathode material for aqueous rechargeable lithium batteries. <i>Chemical Communications</i> , <b>2013</b> , 49, 9209-11	5.8	107
467	An activated carbon with high capacitance from carbonization of a resorcinol-formaldehyde resin. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 715-718	5.1	106
466	A nanocomposite of $\text{MoO}_3$ coated with PPy as an anode material for aqueous sodium rechargeable batteries with excellent electrochemical performance. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 512-517	6.7	103
465	CNT@ $\text{Fe}_3\text{O}_4$ @C coaxial nanocables: one-pot, additive-free synthesis and remarkable lithium storage behavior. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9866-74	4.8	103
464	Preparation and characterization of three-dimensionally ordered mesoporous titania microparticles as anode material for lithium ion battery. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2140-2144	5.1	103

463	Effects of doped sulfur on electrochemical performance of carbon anode. <i>Journal of Power Sources</i> , <b>2002</b> , 108, 245-249	8.9	101
462	A Sandwich PVDF/HEC/PVDF Gel Polymer Electrolyte for Lithium Ion Battery. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 752-759	6.7	100
461	Green energy storage chemistries based on neutral aqueous electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10739-10755	13	100
460	Effects of nitrogen on the carbon anode of a lithium secondary battery. <i>Solid State Ionics</i> , <b>1999</b> , 120, 117-123	3.3	100
459	A conductive polymer coated MoO <sub>3</sub> anode enables an Al-ion capacitor with high performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5115-5123	13	99
458	Spinel LiMn <sub>2</sub> O <sub>4</sub> nanohybrid as high capacitance positive electrode material for supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 246, 19-23	8.9	99
457	A Quasi-Solid-State Li-Ion Capacitor Based on Porous TiO Hollow Microspheres Wrapped with Graphene Nanosheets. <i>Small</i> , <b>2016</b> , 12, 6207-6213	11	99
456	Direct growth of porous crystalline NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays on a conductive electrode for high-performance electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20823-20834	13	98
455	Effects of the porous structure on conductivity of nanocomposite polymer electrolyte for lithium ion batteries. <i>Journal of Membrane Science</i> , <b>2008</b> , 322, 416-422	9.6	98
454	Nano LiMn <sub>2</sub> O <sub>4</sub> as cathode material of high rate capability for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 198, 308-311	8.9	97
453	Natural graphite coated by Si nanoparticles as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1321		95
452	Aqueous Rechargeable Zinc/Aluminum Ion Battery with Good Cycling Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9022-9	9.5	94
451	Advances in Sn-Based Catalysts for Electrochemical CO Reduction. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 62	19.5	94
450	Bendable ITO-free Organic Solar Cells with Highly Conductive and Flexible PEDOT:PSS Electrodes on Plastic Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16287-95	9.5	91
449	An environmentally friendly and economic membrane based on cellulose as a gel polymer electrolyte for lithium ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 76-81	3.7	91
448	A composite membrane based on a biocompatible cellulose as a host of gel polymer electrolyte for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 270, 53-58	8.9	88
447	Cheap glass fiber mats as a matrix of gel polymer electrolytes for lithium ion batteries. <i>Scientific Reports</i> , <b>2013</b> , 3, 3187	4.9	88
446	Characteristics of an aqueous rechargeable lithium battery (ARLB). <i>Electrochimica Acta</i> , <b>2007</b> , 52, 4911-4915	17.5	87

445	Enhanced Microwave Absorption Properties by Tuning Cation Deficiency of Perovskite Oxides of Two-Dimensional LaFeO/C Composite in X-Band. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7601-7810	8.5	86
444	Boosting electrocatalytic N reduction to NH on FeOOH by fluorine doping. <i>Chemical Communications</i> , <b>2019</b> , 55, 3987-3990	5.8	86
443	High-performance NaFePO <sub>4</sub> formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4882-4892	13	86
442	Research on a gel polymer electrolyte for Li-ion batteries. <i>Pure and Applied Chemistry</i> , <b>2008</b> , 80, 2553-2563	6.3	86
441	LiMn <sub>2</sub> O <sub>4</sub> nanorods as a super-fast cathode material for aqueous rechargeable lithium batteries. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1159-1162	5.1	85
440	Thermodynamic parameters for adsorption equilibrium of heavy metals and dyes from wastewaters. <i>Bioresource Technology</i> , <b>2014</b> , 160, 24-31	11	84
439	Sulfate and organic carbon removal by microbial fuel cell with sulfate-reducing bacteria and sulfide-oxidising bacteria anodic biofilm. <i>Bioresource Technology</i> , <b>2014</b> , 156, 14-9	11	83
438	Fully Conjugated Phthalocyanine Copper Metal-Organic Frameworks for Sodium-Iodine Batteries with Long-Time-Cycling Durability. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905361	24	83
437	Improving Electrochemical Stability and Low-Temperature Performance with Water/Acetonitrile Hybrid Electrolytes. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902654	21.8	83
436	Self-Assembled 3D Foam-Like NiCo <sub>2</sub> O <sub>4</sub> as Efficient Catalyst for Lithium Oxygen Batteries. <i>Small</i> , <b>2016</b> , 12, 602-11	11	82
435	Fabricating an Aqueous Symmetric Supercapacitor with a Stable High Working Voltage of 2 V by Using an Alkaline-Acidic Electrolyte. <i>Advanced Science</i> , <b>2019</b> , 6, 1801665	13.6	81
434	Encapsulating highly crystallized mesoporous Fe <sub>3</sub> O <sub>4</sub> in hollow N-doped carbon nanospheres for high-capacity long-life sodium-ion batteries. <i>Nano Energy</i> , <b>2019</b> , 56, 426-433	17.1	81
433	Rational Design of Hydroxyl-Rich Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Quantum Dots for High-Performance Electrochemical N <sub>2</sub> Reduction. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000797	21.8	81
432	Electrochemical behavior of LiCoO <sub>2</sub> in a saturated aqueous Li <sub>2</sub> SO <sub>4</sub> solution. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 1199-1203	6.7	79
431	Cubic Prussian blue crystals from a facile one-step synthesis as positive electrode material for superior potassium-ion capacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 232, 106-113	6.7	78
430	Template-free fabrication of nitrogen-doped hollow carbon spheres for high-performance supercapacitors based on a scalable homopolymer vesicle. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12088-12097	13	78
429	Composites of metal oxides and intrinsically conducting polymers as supercapacitor electrode materials: the best of both worlds?. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14937-14970	13	76
428	Disintegration of aerobic granules: role of second messenger cyclic di-GMP. <i>Bioresource Technology</i> , <b>2013</b> , 146, 330-335	11	76



427	Electrode materials with tailored facets for electrochemical energy storage. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 272-289	10.8	75
426	A quasi-solid-state Li-ion capacitor with high energy density based on Li <sub>3</sub> VO <sub>4</sub> /carbon nanofibers and electrochemically-exfoliated graphene sheets. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14922-14929	13	74
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421	Calcium precipitate induced aerobic granulation. <i>Bioresource Technology</i> , <b>2015</b> , 176, 32-7	11	73
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155	Functional and phylogenetic diversity explain different components of diversity effects on biomass production. <i>Oikos</i> , <b>2020</b> , 129, 1185-1195	4	9
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151	Enhancement of anaerobic degradation of petroleum hydrocarbons by electron intermediate: Performance and mechanism. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122305	11	9
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149	The optimization of microbial influenced corrosion resistance of HVOF sprayed nanostructured WC-10Co-4Cr coatings by ultrasound-assisted sealing. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 72, 105438	8.9	9
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144	Asynchrony among species and functional groups and temporal stability under perturbations: Patterns and consequences. <i>Journal of Ecology</i> , <b>2020</b> , 108, 2038-2046	6	8
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126	Volatile Fatty Acids Production from Codigestion of Food Waste and Sewage Sludge Based on -Cyclodextrins and Alkaline Treatments. <i>Archaea</i> , <b>2016</b> , 2016, 1698163	2	7
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30	A new fuzzy lyapunov function approach to stability analysis and control synthesis for Takagi-Sugeno fuzzy systems <b>2013</b> ,		1
29	Effect of sodium alginate on UVC inactivation of coliphage MS2. <i>RSC Advances</i> , <b>2015</b> , 5, 104779-104784	3.7	1
28	Freezing-Tolerant Hydrogel Composed of Sulfonated Chitosan and Poly(vinyl alcohol) Featuring Excellent Stretchability and High Proton Conduction. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 1466-1474	4.3	1
27	Perceived social support in Chinese family caregivers of patients with dementia. <i>International Journal of Nursing Practice</i> , <b>2021</b> , e12945	2.3	1
26	Multi-level non-intrusive load identification based on k-NN <b>2019</b> ,		1
25	Metamorphosis and skeletal development of hybrid <i>Epinephelus awoara</i> (?) and <i>Epinephelus tukula</i> (?) progenies. <i>Aquaculture</i> , <b>2021</b> , 530, 735727	4.4	1
24	An Economical High-Throughput "FP-Tag" Assay for Screening Glycosyltransferase Inhibitors*. <i>ChemBioChem</i> , <b>2021</b> , 22, 1391-1395	3.8	1
23	A selenium-doped carbon anode of high performance for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 457-464	2.6	1
22	A three-dimensional conducting network of rGO-in-graphite-felt as electrode for vanadium redox flow batteries. <i>Electrochemical Energy Technology</i> , <b>2018</b> , 4, 60-65	4	1
21	A sensor of liquid methanol for direct methanol fuel cells. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1177, 338785	6.6	1
20	Ultrasmall Polymer Nanoparticles Formed by Instantaneous Nanosplitting of Surfactant-Free Emulsion. <i>Langmuir</i> , <b>2020</b> , 36, 7933-7942	4	0
19	Aggregation performance and adhesion behavior of microbes in response to feast/famine condition: Rapid granulation of aerobic granular sludge.. <i>Environmental Research</i> , <b>2022</b> , 208, 112780	7.9	0
18	The physiological and ecological properties of bacterial persisters discovered from municipal sewage sludge and the potential risk. <i>Environmental Research</i> , <b>2021</b> , 205, 112481	7.9	0
17	Interaction between organic matter and tetracycline in river sediments in cold regions. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	0
16	Regulating Graphitic Carbon Nitride/Cocatalyst by an Amorphous MoS <sub>2</sub> Conformal Multifunctional Intermediate Layer for Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 13288-13296	6.1	0
15	Polymer Electrolytes for Lithium Ion Batteries and Challenges: Part I <b>2020</b> , 187-199		0
14	High cycle stability of Zn anodes boosted by an artificial electronic/ionic mixed conductor coating layer. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7645-7652	13	0

13	One-Step Hydrothermal Synthesis of Co-Ni-S/Ni Foam as an Electrocatalyst for Nitrogen Reduction Reaction. <i>Materials Today Energy</i> , <b>2022</b> , 100995	7	0
12	Stress-Tolerant Printed Architectures Toward Stable Cycling of Ultrahigh-Loading Ni-Rich Layered Oxide Cathodes for Wearable Energy Storage Devices. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 5009-5017	4.1	0
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