

# Xiu-Li Wang Wang

## List of Publications by Citations

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#	Paper	IF	Citations
350	Self-supported hydrothermal synthesized hollow Co <sub>3</sub> O <sub>4</sub> nanowire arrays with high supercapacitor capacitance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9319		614
349	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , <b>2016</b> , 12, 3048-58	11	377
348	Freestanding Co <sub>3</sub> O <sub>4</sub> nanowire array for high performance supercapacitors. <i>RSC Advances</i> , <b>2012</b> , 2, 1835	3.7	366
347	Directional Construction of Vertical Nitrogen-Doped 1T-2H MoSe <sub>2</sub> /Graphene Shell/Core Nanoflake Arrays for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700748	24	328
346	Popcorn Inspired Porous Macrocellular Carbon: Rapid Puffing Fabrication from Rice and Its Applications in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701110	21.8	317
345	Hierarchically porous NiO film grown by chemical bath deposition via a colloidal crystal template as an electrochemical pseudocapacitor material. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 671-679		259
344	Confining Sulfur in Integrated Composite Scaffold with Highly Porous Carbon Fibers/Vanadium Nitride Arrays for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706391	15.6	258
343	Biodegradable soy protein isolate-based materials: a review. <i>Biomacromolecules</i> , <b>2011</b> , 12, 3369-80	6.9	244
342	Metal oxide/hydroxide-based materials for supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 41910-41921	3.7	235
341	Hydrothermally synthesized WO <sub>3</sub> nanowire arrays with highly improved electrochromic performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5492		231
340	Encapsulation of sulfur with thin-layered nickel-based hydroxides for long-cyclic lithium-sulfur cells. <i>Nature Communications</i> , <b>2015</b> , 6, 8622	17.4	225
339	Exploring Advanced Sandwiched Arrays by Vertical Graphene and N-Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601804	21.8	215
338	3D TiC/C Core/Shell Nanowire Skeleton for Dendrite-Free and Long-Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702322	21.8	204
337	Green composite films prepared from cellulose, starch and lignin in room-temperature ionic liquid. <i>Bioresource Technology</i> , <b>2009</b> , 100, 2569-74	11	199
336	Co <sub>3</sub> O <sub>4</sub> @Ti core-shell nanowire array as an advanced anode material for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15056		187
335	Phase Modulation of (1T-2H)-MoSe <sub>2</sub> /TiC-C Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802223	24	183
334	Deep eutectic solvents (DESs)-derived advanced functional materials for energy and environmental applications: challenges, opportunities, and future vision. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8209-8229	13	174

333	POLY(p-DIOXANONE) AND ITS COPOLYMERS. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , <b>2002</b> , 42, 373-398		160
332	Halogen-Free Flame-Retardant Flexible Polyurethane Foam with a Novel Nitrogen-Phosphorus Flame Retardant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 9769-9776	3.9	155
331	A novel biodegradable multiblock poly(ester urethane) containing poly(L-lactic acid) and poly(butylene succinate) blocks. <i>Polymer</i> , <b>2009</b> , 50, 1178-1186	3.9	148
330	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803342	21.8	146
329	Encapsulating silicon nanoparticles into mesoporous carbon forming pomegranate-structured microspheres as a high-performance anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11197-11203	13	133
328	Properties of Starch Blends with Biodegradable Polymers. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , <b>2003</b> , 43, 385-409		133
327	Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900009	24	132
326	Facile fabrication of integrated three-dimensional C-MoSe <sub>2</sub> /reduced graphene oxide composite with enhanced performance for sodium storage. <i>Nano Research</i> , <b>2016</b> , 9, 1618-1629	10	129
325	Tailored Li <sub>2</sub> S/B <sub>2</sub> S <sub>5</sub> glass-ceramic electrolyte by MoS <sub>2</sub> doping, possessing high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2829-2834	13	127
324	Preparation and properties of oxidized starch with high degree of oxidation. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 2554-2562	10.3	125
323	Multicolor electrochromic polyaniline/WO <sub>3</sub> hybrid thin films: One-pot molecular assembling synthesis. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17316		121
322	New application for aromatic Schiff base: High efficient flame-retardant and anti-dripping action for polyesters. <i>Chemical Engineering Journal</i> , <b>2018</b> , 336, 622-632	14.7	119
321	Enhancing Ultrafast Lithium Ion Storage of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> by Tailored TiC/C Core/Shell Skeleton Plus Nitrogen Doping. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802756	15.6	118
320	Preparation and properties of nanocomposites based on poly(lactic acid) and functionalized TiO <sub>2</sub> . <i>Acta Materialia</i> , <b>2009</b> , 57, 3182-3191	8.4	115
319	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16289-16296	16.4	113
318	Strong and tough fully physically crosslinked double network hydrogels with tunable mechanics and high self-healing performance. <i>Chemical Engineering Journal</i> , <b>2018</b> , 349, 588-594	14.7	113
317	Biodegradation behavior of PHAs with different chemical structures under controlled composting conditions. <i>Polymer Testing</i> , <b>2011</b> , 30, 372-380	4.5	111
316	Co-doped NiO nanoflake array films with enhanced electrochromic properties. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7013-7021	7.1	110

- 315 Electrode Design for Lithium-Sulfur Batteries: Problems and Solutions. *Advanced Functional Materials*, **2020**, 30, 1910375 15.6 109
- 314 Dissolution Behavior of Chitin in Ionic Liquids. *Journal of Macromolecular Science - Physics*, **2010**, 49, 528-541 109
- 313 All-solid-state lithium-sulfur batteries based on a newly designed Li<sub>7</sub>P<sub>2.9</sub>Mn<sub>0.1</sub>S<sub>10.7</sub>O<sub>3</sub> superionic conductor. *Journal of Materials Chemistry A*, **2017**, 5, 6310-6317 13 108
- 312 A novel phosphorus-containing poly(lactic acid) toward its flame retardation. *Polymer*, **2011**, 52, 233-238 3.9 108
- 311 A flame-retardant-free and thermo-cross-linkable copolyester: Flame-retardant and anti-dripping mode of action. *Polymer*, **2014**, 55, 2394-2403 3.9 105
- 310 Defect Promoted Capacity and Durability of N-MnO Branch Arrays via Low-Temperature NH Treatment for Advanced Aqueous Zinc Ion Batteries. *Small*, **2019**, 15, e1905452 11 103
- 309 High Carbonyl Content Oxidized Starch Prepared by Hydrogen Peroxide and Its Thermoplastic Application. *Starch/Staerke*, **2009**, 61, 646-655 2.3 103
- 308 Spore Carbon from *Aspergillus Oryzae* for Advanced Electrochemical Energy Storage. *Advanced Materials*, **2018**, 30, e1805165 24 103
- 307 Novel phosphorus-containing halogen-free ionic liquid toward fire safety epoxy resin with well-balanced comprehensive performance. *Chemical Engineering Journal*, **2018**, 354, 208-219 14.7 101
- 306 In Situ Solid Electrolyte Interphase from Spray Quenching on Molten Li: A New Way to Construct High-Performance Lithium-Metal Anodes. *Advanced Materials*, **2019**, 31, e1806470 24 101
- 305 Revisiting Scientific Issues for Industrial Applications of Lithium-Sulfur Batteries. *Energy and Environmental Materials*, **2018**, 1, 196-208 13 101
- 304 Self-assembly of Si/honeycomb reduced graphene oxide composite film as a binder-free and flexible anode for Li-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 5834-5840 13 98
- 303 A method for simultaneously improving the flame retardancy and toughness of PLA. *Polymers for Advanced Technologies*, **2011**, 22, 2295-2301 3.2 98
- 302 Biomimetic Optical Cellulose Nanocrystal Films with Controllable Iridescent Color and Environmental Stimuli-Responsive Chromism. *ACS Applied Materials & Interfaces*, **2018**, 10, 5805-5815 9.5 97
- 301 Inherently Flame-Retardant Flexible Polyurethane Foam with Low Content of Phosphorus-Containing Cross-Linking Agent. *Industrial & Engineering Chemistry Research*, **2014**, 53, 1160-1171 3.9 97
- 300 Ultralight Three-Dimensional Hierarchical Cobalt Nanocrystals/N-Doped CNTs/Carbon Sponge Composites with a Hollow Skeleton toward Superior Microwave Absorption. *ACS Applied Materials & Interfaces*, **2019**, 11, 35987-35998 9.5 95
- 299 Effect of TiO<sub>2</sub> nanoparticles on the long-term hydrolytic degradation behavior of PLA. *Polymer Degradation and Stability*, **2012**, 97, 721-728 4.7 95
- 298 Facile synthesis of Ni-coated Ni<sub>2</sub>P for supercapacitor applications. *CrystEngComm*, **2013**, 15, 7071 3.3 95

297	Hollow metallic 1T MoS <sub>2</sub> arrays grown on carbon cloth: a freestanding electrode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18318-18324	13	94
296	Nitrogen-Doped Carbon Embedded MoS <sub>2</sub> Microspheres as Advanced Anodes for Lithium- and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11617-23	4.8	93
295	Porous Carbon Hosts for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3710-3725	4.8	85
294	Ionothermal synthesis and lithium storage performance of core/shell structured amorphous@crystalline NiP nanoparticles. <i>CrystEngComm</i> , <b>2012</b> , 14, 7942	3.3	84
293	Hierarchical structure Ti-doped WO <sub>3</sub> film with improved electrochromism in visible-infrared region. <i>RSC Advances</i> , <b>2013</b> , 3, 6896	3.7	83
292	Effect of a phosphorus-containing flame retardant on the thermal properties and ease of ignition of poly(lactic acid). <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 1557-1561	4.7	83
291	Structure and properties of soy protein/poly(butylene succinate) blends with improved compatibility. <i>Biomacromolecules</i> , <b>2008</b> , 9, 3157-64	6.9	83
290	A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Fluoride-Hexafluoropropylene) (PVDF-HFP) for Enhanced Solid-State Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15203-15209	4.8	82
289	Exploring Self-Healing Liquid Na-K Alloy for Dendrite-Free Electrochemical Energy Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804011	24	82
288	A CNT cocoon on sodium manganate nanotubes forming a core/branch cathode coupled with a helical carbon nanofibre anode for enhanced sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11207-11213	13	80
287	StrawBrick-Like Carbon Fiber Cloth/Lithium Composite Electrode as an Advanced Lithium Metal Anode. <i>Small Methods</i> , <b>2018</b> , 2, 1800035	12.8	80
286	Novel carbon channels from loofah sponge for construction of metal sulfide/carbon composites with robust electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7578-7585	13	79
285	Highly thermostable and durably flame-retardant unsaturated polyester modified by a novel polymeric flame retardant containing Schiff base and spirocyclic structures. <i>Chemical Engineering Journal</i> , <b>2018</b> , 344, 419-430	14.7	79
284	Modified Corn Starches with Improved Comprehensive Properties for Preparing Thermoplastics. <i>Starch/Staerke</i> , <b>2007</b> , 59, 258-268	2.3	79
283	Nickel Hydroxide-Modified Sulfur/Carbon Composite as a High-Performance Cathode Material for Lithium Sulfur Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16715-22	9.5	78
282	Biodegradation behavior of P(3HB,4HB)/PLA blends in real soil environments. <i>Polymer Testing</i> , <b>2013</b> , 32, 60-70	4.5	78
281	Kinetics of thermal degradation of flame retardant copolyesters containing phosphorus linked pendent groups. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 80, 135-140	4.7	78
280	Metal hydroxide as a new stabilizer for the construction of sulfur/carbon composites as high-performance cathode materials for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17106-17112	13	73

- 279 Surface modification with hierarchical CuO arrays toward a flexible, durable superhydrophobic and self-cleaning material. *Chemical Engineering Journal*, **2017**, 313, 1328-1334 14.7 73
- 278 Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. *Small*, **2017**, 13, 1602742 11 73
- 277 Kinetics of thermal degradation and thermal oxidative degradation of poly(p-dioxanone). *European Polymer Journal*, **2003**, 39, 1567-1574 5.2 73
- 276 Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. *Advanced Engineering Materials*, **2018**, 20, 1700591 3.5 72
- 275 Interface issues of lithium metal anode for high-energy batteries: Challenges, strategies, and perspectives. *Information Materials*, **2021**, 3, 155-174 23.1 72
- 274 Synthesis of organo-modified Zirconium phosphate and its effect on the flame retardancy of IFR poly(lactic acid) systems. *Polymer Degradation and Stability*, **2011**, 96, 771-777 4.7 71
- 273 Cellulose/Soy Protein Isolate Blend Films Prepared via Room-Temperature Ionic Liquid. *Industrial & Engineering Chemistry Research*, **2009**, 48, 7132-7136 3.9 71
- 272 Biodegradation behavior of PHBV films in a pilot-scale composting condition. *Polymer Testing*, **2010**, 29, 579-587 4.5 67
- 271 Hybrid vertical graphene/lithium titanate CNTs arrays for lithium ion storage with extraordinary performance. *Journal of Materials Chemistry A*, **2017**, 5, 8916-8921 13 66
- 270 A peanut-like hierarchical micro/nano-Li<sub>1.2</sub>Mn<sub>0.54</sub>Ni<sub>0.18</sub>Co<sub>0.08</sub>O<sub>2</sub> cathode material for lithium-ion batteries with enhanced electrochemical performance. *Journal of Materials Chemistry A*, **2015**, 3, 14291-14297 13 66
- 269 Kinetics of thermal oxidative degradation of phosphorus-containing flame retardant copolyesters. *Polymer Degradation and Stability*, **2002**, 76, 401-409 4.7 65
- 268 One-step fabrication of nanostructured NiO films from deep eutectic solvent with enhanced electrochromic performance. *Journal of Materials Chemistry A*, **2013**, 1, 4286 13 64
- 267 Preparation and characterization of poly(lactic acid)-grafted TiO<sub>2</sub> nanoparticles with improved dispersions. *Applied Surface Science*, **2009**, 255, 6795-6801 6.7 63
- 266 Rational construction of a metal core for smart combination with Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> as integrated arrays with superior high-rate Li-ion storage performance. *Journal of Materials Chemistry A*, **2017**, 5, 1394-1399<sup>13</sup> 13 61
- 265 Boosting fast energy storage by synergistic engineering of carbon and deficiency. *Nature Communications*, **2020**, 11, 132 17.4 61
- 264 A synergistic vertical graphene skeleton and S<sub>2</sub> shell to construct high-performance TiNb<sub>2</sub>O<sub>7</sub>-based core/shell arrays. *Journal of Materials Chemistry A*, **2018**, 6, 20195-20204 13 61
- 263 SnO Nanoflake Arrays Coated with Polypyrrole on a Carbon Cloth as Flexible Anodes for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 24198-24204 9.5 60
- 262 Bacterium, Fungus, and Virus Microorganisms for Energy Storage and Conversion. *Small Methods*, **2019**, 3, 1900596 12.8 59

261	All-solid-state electrochromic devices based on WO <sub>3</sub>   NiO films: material developments and future applications. <i>Science China Chemistry</i> , <b>2017</b> , 60, 3-12	7.9	59
260	Phosphorus-containing copolyesters: The effect of ionic group and its analogous phosphorus heterocycles on their flame-retardant and anti-dripping performances. <i>Polymer</i> , <b>2015</b> , 60, 50-61	3.9	59
259	Monolayer titanium carbide hollow sphere arrays formed via an atomic layer deposition assisted method and their excellent high-temperature supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18717-18722	13	58
258	In situ growth and electrochemical characterization versus lithium of a core/shell-structured Ni <sub>2</sub> P@C nanocomposite synthesized by a facile organic-phase strategy. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17988		58
257	Biodegradation behaviors of thermoplastic starch (TPS) and thermoplastic dialdehyde starch (TPDAS) under controlled composting conditions. <i>Polymer Testing</i> , <b>2008</b> , 27, 924-930	4.5	58
256	Development of Copper Phosphate Nanoflowers on Soy Protein toward a Superhydrophobic and Self-Cleaning Film. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 869-875	8.3	57
255	High-energy cathode materials for Li-ion batteries: A review of recent developments. <i>Science China Technological Sciences</i> , <b>2015</b> , 58, 1809-1828	3.5	56
254	Poly (N-isopropylacrylamide)/poly (ethylene oxide) blend nanofibrous scaffolds: thermo-responsive carrier for controlled drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 749-54	6	56
253	A new biodegradable copolyester poly(butylene succinate-co-ethylene succinate-co-ethylene terephthalate). <i>Acta Materialia</i> , <b>2004</b> , 52, 5871-5878	8.4	55
252	Coupled Biphasic (1T-2H)-MoSe <sub>2</sub> on Mold Spore Carbon for Advanced Hydrogen Evolution Reaction. <i>Small</i> , <b>2019</b> , 15, e1901796	11	54
251	Self-assembly of hierarchical Fe <sub>3</sub> O <sub>4</sub> microsphere/graphene nanosheet composite: towards a promising high-performance anode for Li-ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 322-330	3.7	54
250	Three-dimensional porous nano-Ni/Fe <sub>3</sub> O <sub>4</sub> composite film: enhanced electrochemical performance for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18639		54
249	Synthesis and Properties of Poly(Ester Urethane)s Consisting of Poly(L-Lactic Acid) and Poly(Ethylene Succinate) Segments. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1706-1713	3.9	54
248	Preparation and properties of a novel biodegradable ethyl cellulose grafting copolymer with poly(p-dioxanone) side-chains. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 350-359	10.3	54
247	A novel polymeric intumescent flame retardant: Synthesis, thermal degradation mechanism and application in ABS copolymer. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1772-1778	4.7	53
246	Effect of PEG on the crystallization of PPDO/PEG blends. <i>European Polymer Journal</i> , <b>2005</b> , 41, 1243-1250	5.2	53
245	Constructing hierarchically hydrophilic/superhydrophobic ZIF-8 pattern on soy protein towards a biomimetic efficient water harvesting material. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 1040-1048	14.7	52
244	Let it shine: a transparent and photoluminescent foldable nanocellulose/quantum dot paper. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10076-9	9.5	52

243	Roles of Soft Segment Length in Structure and Property of Soy Protein Isolate/Waterborne Polyurethane Blend Films. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 1229-1235	3.9	52
242	The direct growth of a WO <sub>3</sub> nanosheet array on a transparent conducting substrate for highly efficient electrochromic and electrocatalytic applications. <i>CrystEngComm</i> , <b>2014</b> , 16, 6866-6872	3.3	52
241	Construction of All-Solid-State Batteries based on a Sulfur-Graphene Composite and Li Si P S Cl Solid Electrolyte. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13950-13956	4.8	52
240	Development of soy protein isolate/waterborne polyurethane blend films with improved properties. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 100, 16-21	6	51
239	Bi-DOPO Structure Flame Retardants with or without Reactive Group: Their Effects on Thermal Stability and Flammability of Unsaturated Polyester. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 5913-5924	3.9	50
238	High-Index-Faceted NiS Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 12	19.5	50
237	Synthesis of functionalized Zirconium phosphate modified with intumescent flame retardant and its application in poly(lactic acid). <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 1731-1737	4.7	50
236	Ordered lithiophilic sites to regulate Li plating/stripping behavior for superior lithium metal anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21794-21801	13	49
235	Renewable Sugar-Based Diols with Different Rigid Structure: Comparable Investigation on Improving Poly(butylene succinate) Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 350-362	8.3	49
234	Hierarchical MoS <sub>2</sub> /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11220-11226	4.8	49
233	Fabrication of graphene/polylactide nanocomposites with improved properties. <i>Composites Science and Technology</i> , <b>2013</b> , 88, 33-38	8.6	48
232	The high-temperature self-crosslinking contribution of azobenzene groups to the flame retardance and anti-dripping of copolyesters. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9264	13	47
231	Desert Beetle-Inspired Superhydrophilic/Superhydrophobic Patterned Cellulose Film with Efficient Water Collection and Antibacterial Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14679-14684	8.3	47
230	Nitrogen-Doped Sponge Ni Fibers as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 21	19.5	46
229	Synthesis of dinickel phosphide (Ni <sub>2</sub> P) for fast lithium-ion transportation: a new class of nanowires with exceptionally improved electrochemical performance as a negative electrode. <i>RSC Advances</i> , <b>2012</b> , 2, 3430	3.7	45
228	Coupling a Sponge Metal Fibers Skeleton with In Situ Surface Engineering to Achieve Advanced Electrodes for Flexible Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003657	24	45
227	A Fully Biobased Encapsulant Constructed of Soy Protein and Cellulose Nanocrystals for Flexible Electromechanical Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 7063-7070	8.3	44
226	Effect of EDTA and NH <sub>4</sub> Cl additives on electrodeposition of Zn/Ni films from choline chloride-based ionic liquid. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2015</b> , 25, 2054-2064	3.3	44



225	Tough and flame-retardant poly(lactic acid) composites prepared via reactive blending with biobased ammonium phytate and in situ formed crosslinked polyurethane. <i>Composites Communications</i> , <b>2018</b> , 8, 52-57	6.7	44
224	Metal-Embedded Porous Graphitic Carbon Fibers Fabricated from Bamboo Sticks as a Novel Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13598-13605	9.5	44
223	Large-scale synthesis of porous Ni <sub>2</sub> P nanosheets for lithium secondary batteries. <i>CrystEngComm</i> , <b>2012</b> , 14, 8633	3.3	44
222	Synthesis and Properties of Biodegradable Poly(butylene succinate-co-diethylene glycol succinate) Copolymers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 12258-12265	3.9	44
221	Bioinspired Color Changing Molecular Sensor toward Early Fire Detection Based on Transformation of Phthalonitrile to Phthalocyanine. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806586	15.6	44
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