

# Yongbing Tang

## List of Publications by Year in descending order

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135  
papers

12,099  
citations

22099

59  
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28224

105  
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137  
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137  
docs citations

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times ranked

6987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coral-like and binder-free carbon nanowires for potassium dual-ion batteries with superior rate capability and long-term cycling life. <i>Green Energy and Environment</i> , 2023, 8, 548-558.	4.7	10
2	An aqueous aluminum-ion electrochromic full battery with water-in-salt electrolyte for high-energy density. <i>Energy Storage Materials</i> , 2022, 44, 497-507.	9.5	48
3	Ultras-small antimony nanodots embedded in carbon nanowires with three-dimensional porous structure for high-performance potassium dual-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 431, 133444.	6.6	43
4	A fast and stable sodium-based dual-ion battery achieved by Cu <sub>3</sub> P@P-doped carbon matrix anode. <i>Journal of Power Sources</i> , 2022, 518, 230741.	4.0	33
5	Concentrated Electrolyte for High-Performance Ca <sup>2+</sup> -ion Battery Based on Organic Anode and Graphite Cathode. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	39
6	Carbon-coated MoS <sub>1.5</sub> Te <sub>0.5</sub> nanocables for efficient sodium-ion storage in non-aqueous dual-ion batteries. <i>Nature Communications</i> , 2022, 13, 663.	5.8	66
7	Mainstream Optimization Strategies for Cathode Materials of Sodium-ion Batteries. <i>Small Structures</i> , 2022, 3, .	6.9	84
8	Rational Design Strategy of Novel Energy Storage Systems: Toward High-Performance Rechargeable Magnesium Batteries. <i>Small</i> , 2022, 18, e2200418.	5.2	56
9	Metalloid-cluster Ligands Enabling Stable and Active FeN <sub>4</sub> -Fe <sub>n</sub> Motifs for the Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2022, 34, e2202714.	11.1	40
10	A Vanadium-based Fluoroxide Cathode Material for Lithium-ion Storage with High Energy Density. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	22
11	Novel metastable Bi:Co and Bi:Fe alloys nanodots@carbon as anodes for high rate K-ion batteries. <i>Nano Research</i> , 2022, 15, 7220-7226.	5.8	14
12	Perovskite-derived structure modulation in the iron sulfate family. <i>Chemical Communications</i> , 2022, 58, 7074-7077.	2.2	0
13	Homogeneous alloying reaction via self-assembly strategy for high-areal-density dual-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 449, 137708.	6.6	8
14	Alloy-type Anodes for High-Performance Rechargeable Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
15	Alloy-type Anodes for High-Performance Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	61
16	Molecular grafting towards high-fraction active nanodots implanted in N-doped carbon for sodium dual-ion batteries. <i>National Science Review</i> , 2021, 8, nwa178.	4.6	132
17	Designing Ceramic/Polymer Composite as Highly Ionic Conductive Solid-state Electrolytes. <i>Batteries and Supercaps</i> , 2021, 4, 39-59.	2.4	49
18	A novel low-cost and environment-friendly cathode with large channels and high structure stability for potassium-ion storage. <i>Science China Materials</i> , 2021, 64, 1047-1057.	3.5	21

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19	High-performance Zn-graphite battery based on LiPF <sub>6</sub> single-salt electrolyte with high working voltage and long cycling life. <i>Journal of Energy Chemistry</i> , 2021, 58, 602-609.	7.1	44
20	Recent Advances and Perspectives on Calcium-Ion Storage: Key Materials and Devices. <i>Advanced Materials</i> , 2021, 33, e2005501.	11.1	101
21	A mechanically robust self-healing binder for silicon anode in lithium ion batteries. <i>Nano Energy</i> , 2021, 81, 105654.	8.2	141
22	Locally Ordered Graphitized Carbon Cathodes for High-Capacity Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6326-6332.	7.2	101
23	Emerging trends in anion storage materials for the capacitive and hybrid energy storage and beyond. <i>Chemical Society Reviews</i> , 2021, 50, 6734-6789.	18.7	93
24	Mechanisms of sodiation in anatase TiO <sub>2</sub> in terms of equilibrium thermodynamics and kinetics. <i>Nanoscale Advances</i> , 2021, 3, 4702-4713.	2.2	2
25	Tilting and twisting in a novel perovskite, K <sub>3</sub> NaMn(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> . <i>Chemical Communications</i> , 2021, 57, 2567-2570.	2.2	7
26	Locally Ordered Graphitized Carbon Cathodes for High-Capacity Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 6396-6402.	1.6	26
27	The 2021 battery technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 183001.	1.3	158
28	A Review of Emerging Dual-Ion Batteries: Fundamentals and Recent Advances. <i>Advanced Functional Materials</i> , 2021, 31, 2010958.	7.8	132
29	Amorphous Carbon Nano-Interface-Modified Aluminum Anodes for High-Performance Dual-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3710-3717.	3.2	22
30	Novel Lamellar Tetrapotassium Pyromellitic Organic for Robust High-Capacity Potassium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11835-11840.	7.2	95
31	Novel Lamellar Tetrapotassium Pyromellitic Organic for Robust High-Capacity Potassium Storage. <i>Angewandte Chemie</i> , 2021, 133, 11941-11946.	1.6	6
32	High Oxidation Potential ~6.0 V of Concentrated Electrolyte toward High-Performance Dual-Ion Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2100151.	10.2	44
33	K-Ion Battery Cathode Design Utilizing Trigonal Prismatic Ligand Field. <i>Advanced Materials</i> , 2021, 33, e2101788.	11.1	55
34	Ultrathin Diamond Nanofilms—Development, Challenges, and Applications. <i>Small</i> , 2021, 17, e2007529.	5.2	61
35	Hierarchical Micro/Nanostructured Diamond Gradient Surface for Controlled Water Transport and Fog Collection. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100196.	1.9	33
36	Recent Advances on Sodium-Ion Batteries and Sodium Dual-Ion Batteries: State-of-the-Art Na <sup>+</sup> Host Anode Materials. <i>Small Science</i> , 2021, 1, 2100014.	5.8	65

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37	Recent Advances and Perspectives on the Polymer Electrolytes for Sodium/Potassium-Ion Batteries. <i>Small</i> , 2021, 17, e2006627.	5.2	99
38	Molecular Coupling and Self-Assembly Strategy toward $WSe_2$ /Carbon Micro-Nano Hierarchical Structure for Elevated Sodium-Ion Storage. <i>Small Methods</i> , 2021, 5, e2100374.	4.6	24
39	Energy Storage Mechanism, Challenge and Design Strategies of Metal Sulfides for Rechargeable Sodium/Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2103912.	7.8	108
40	A Calcium Electrochromic Battery via a Water-In-Salt Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2104639.	7.8	53
41	In Situ Chemical Lithiation Transforms Diamond-Like Carbon into an Ultrastrong Ion Conductor for Dendrite-Free Lithium-Metal Anodes. <i>Advanced Materials</i> , 2021, 33, e2100793.	11.1	82
42	Dual-Ion Batteries: High Oxidation Potential $\sim 6.0$ V of Concentrated Electrolyte toward High-Performance Dual-Ion Battery ( <i>Adv. Energy Mater.</i> 25/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170096.	10.2	0
43	Extended iodine chemistry: Toward high-energy-density aqueous zinc-ion batteries. <i>Matter</i> , 2021, 4, 2637-2639.	5.0	14
44	High-Performance Potassium-Ion-Based Full Battery Enabled by an Ionic-Drill Strategy. <i>CCS Chemistry</i> , 2021, 3, 85-94.	4.6	22
45	Atomic layer deposition triggered Fe-In-S cluster and gradient energy band in ZnInS photoanode for improved oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 5247.	5.8	36
46	Development and challenges of electrode materials for rechargeable Mg batteries. <i>Energy Storage Materials</i> , 2021, 42, 687-704.	9.5	29
47	Advances and Prospects of Dual-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2102498.	10.2	73
48	The Free-Standing Alloy Strategy to Improve the Electrochemical Performance of Potassium-Based Dual-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 4336-4344.	8.8	33
49	Interface engineering toward high-efficiency alloy anode for next-generation energy storage device. <i>EcoMat</i> , 2021, 3, .	6.8	29
50	Strategien für kostengünstige und leistungsstarke Dual-Ionen-Batterien. <i>Angewandte Chemie</i> , 2020, 132, 3830-3861.	1.6	40
51	Strategies towards Low-Cost Dual-Ion Batteries with High Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3802-3832.	7.2	242
52	A Low-Cost and Environmentally Friendly Mixed Polyanionic Cathode for Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 740-745.	7.2	75
53	A Flexible Dual-Ion Battery Based on Sodium-Ion Quasi-Solid-State Electrolyte with Long Cycling Life. <i>Advanced Functional Materials</i> , 2020, 30, 1906770.	7.8	104
54	A Low-Cost and Environmentally Friendly Mixed Polyanionic Cathode for Sodium-Ion Storage. <i>Angewandte Chemie</i> , 2020, 132, 750-755.	1.6	25

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55	High-performance rechargeable zinc-based dual-ion batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 101-107.	2.5	49
56	A Flexible Potassium-Ion Hybrid Capacitor with Superior Rate Performance and Long Cycling Life. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2424-2431.	4.0	59
57	Highly Concentrated and Nonflammable Electrolyte for High Energy Density K-Based Dual-Ion Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 10202-10208.	2.5	23
58	Pseudocapacitive Ti-Doped Niobium Pentoxide Nanoflake Structure Design for a Fast Kinetics Anode toward a High-Performance Mg-Ion-Based Dual-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47539-47547.	4.0	35
59	Nanostructured and Boron-Doped Diamond as an Electrocatalyst for Nitrogen Fixation. <i>ACS Energy Letters</i> , 2020, 5, 2590-2596.	8.8	55
60	Synthesis, Structure, and Electrochemical Properties of Some Cobalt Oxalates. <i>Inorganic Chemistry</i> , 2020, 59, 16936-16943.	1.9	10
61	In Situ Two-Step Activation Strategy Boosting Hierarchical Porous Carbon Cathode for an Aqueous Zn-Based Hybrid Energy Storage Device with High Capacity and Ultra-Long Cycling Life. <i>Small</i> , 2020, 16, e2003174.	5.2	105
62	Corrosion-Resistant Functional Diamond Coatings for Reliable Interfacing of Liquid Metals with Solid Metals. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40891-40900.	4.0	28
63	6.0 V High-Voltage and Concentrated Electrolyte toward High Energy Density K-Based Dual-Graphite Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2002567.	10.2	89
64	Fast Rate and Long Life Potassium-Ion Based Dual-Ion Battery through 3D Porous Organic Negative Electrode. <i>Advanced Functional Materials</i> , 2020, 30, 2001440.	7.8	155
65	Artificial Solid Electrolyte Interphase Acting as "Armor" to Protect the Anode Materials for High-performance Lithium-ion Battery. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 402-409.	1.3	32
66	UV-to-IR highly transparent ultrathin diamond nanofilms with intriguing performances: Anti-fogging, self-cleaning and self-lubricating. <i>Applied Surface Science</i> , 2020, 527, 146733.	3.1	32
67	In-situ implanted carbon nanofilms into lithium titanate with 3D porous structure as fast kinetics anode for high-performance dual-ion battery. <i>Chemical Engineering Journal</i> , 2020, 401, 125834.	6.6	23
68	Facile Ion-Exchange Strategy for Na <sup>+</sup> /K <sup>+</sup> Hybrid-Ion Batteries with Superior Rate Capability and Cycling Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 7030-7038.	2.5	13
69	Highly Concentrated Electrolyte towards Enhanced Energy Density and Cycling Life of Dual-Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17924-17930.	7.2	99
70	Interface design to tune stress distribution for high performance diamond/silicon carbide coated cemented carbide tools. <i>Surface and Coatings Technology</i> , 2020, 397, 125975.	2.2	14
71	A fluoroxalate cathode material for potassium-ion batteries with ultra-long cyclability. <i>Nature Communications</i> , 2020, 11, 1225.	5.8	173
72	Simultaneously pre-alloying and artificial solid electrolyte interface towards highly stable aluminum anode for high-performance Li hybrid capacitor. <i>Energy Storage Materials</i> , 2020, 28, 357-363.	9.5	50

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73	Highly Concentrated Electrolyte towards Enhanced Energy Density and Cycling Life of Dual-Ion Battery. <i>Angewandte Chemie</i> , 2020, 132, 18080-18086.	1.6	6
74	Recent progress and perspective on electrolytes for sodium/potassium-based devices. <i>Energy Storage Materials</i> , 2020, 31, 328-343.	9.5	68
75	Flexible Interface Design for Stress Regulation of a Silicon Anode toward Highly Stable Dual-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908470.	11.1	126
76	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. <i>Chemistry - an Asian Journal</i> , 2020, 15, 995-1013.	1.7	154
77	Gemischte polyanionische Verbindungen als positive Elektroden für die kostengünstige elektrochemische Energiespeicherung. <i>Angewandte Chemie</i> , 2020, 132, 9342-9349.	1.6	10
78	Mixed Polyanionic Compounds as Positive Electrodes for Low-Cost Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9255-9262.	7.2	77
79	Robust Biomimetic Hierarchical Diamond Architecture with a Self-Cleaning, Antibacterial, and Antibiofouling Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24432-24441.	4.0	95
80	Highly stable magnesium-ion-based dual-ion batteries based on insoluble small-molecule organic anode material. <i>Energy Storage Materials</i> , 2020, 30, 34-41.	9.5	113
81	Colorful Diamond-Like Carbon Films from Different Micro/Nanostructures. <i>Advanced Optical Materials</i> , 2020, 8, 1902064.	3.6	14
82	An iron-based polyanionic cathode for potassium storage with high capacity and excellent cycling stability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9128-9136.	5.2	33
83	Calcium Batteries: Room-Temperature Rechargeable Ca-Ion Based Hybrid Batteries with High Rate Capability and Long-Term Cycling Life ( <i>Adv. Energy Mater.</i> 29/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970113.	10.2	0
84	An oxalate cathode for lithium ion batteries with combined cationic and polyanionic redox. <i>Nature Communications</i> , 2019, 10, 3483.	5.8	65
85	Room-Temperature Rechargeable Ca-Ion Based Hybrid Batteries with High Rate Capability and Long-Term Cycling Life. <i>Advanced Energy Materials</i> , 2019, 9, 1901099.	10.2	41
86	Hollow Carbon Nanobelts Codoped with Nitrogen and Sulfur via a Self-Templated Method for a High-Performance Sodium-Ion Capacitor. <i>Small</i> , 2019, 15, e1902659.	5.2	50
87	Uniform Distribution of Alloying/Dealloying Stress for High Structural Stability of an Al Anode in High-Areal-Density Lithium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1900826.	11.1	75
88	Hybridizing anions towards fast diffusion kinetics for tri-ion batteries with significantly improved rate capability and cycling life. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10930-10935.	5.2	12
89	Multi-ion strategies towards emerging rechargeable batteries with high performance. <i>Energy Storage Materials</i> , 2019, 23, 566-586.	9.5	119
90	Hierarchically nanostructured ZnCo <sub>2</sub> O <sub>4</sub> particles in 3D graphene networks for high-rate and long-life lithium ion batteries. <i>Materials Today Energy</i> , 2019, 12, 46-52.	2.5	18

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91	A Calcium-Ion Hybrid Energy Storage Device with High Capacity and Long Cycling Life under Room Temperature. <i>Advanced Energy Materials</i> , 2019, 9, 1803865.	10.2	104
92	Ultrahigh Nitrogen Doping of Carbon Nanosheets for High Capacity and Long Cycling Potassium Ion Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1902672.	10.2	219
93	Biomass-Derived Poly(Furfuryl Alcohol)-Protected Aluminum Anode for Lithium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800995.	1.8	13
94	High-Performance Cathode Based on Self-Templated 3D Porous Microcrystalline Carbon with Improved Anion Adsorption and Intercalation. <i>Advanced Functional Materials</i> , 2019, 29, 1806722.	7.8	83
95	Sodium-Ion Hybrid Battery Combining an Anion-Intercalation Cathode with an Adsorption-Type Anode for Enhanced Rate and Cycling Performance. <i>Batteries and Supercaps</i> , 2019, 2, 440-447.	2.4	46
96	Electrostatic self-assembly seeding strategy to improve machining performance of nanocrystalline diamond coated cutting tools. <i>Surface and Coatings Technology</i> , 2019, 357, 870-878.	2.2	22
97	A High-Performance Dual-Ion Battery Enabled by Conversion-Type Manganese Silicate Anodes with Enhanced Ion Accessibility. <i>ChemElectroChem</i> , 2019, 6, 1040-1046.	1.7	10
98	Rechargeable batteries based on anion intercalation graphite cathodes. <i>Energy Storage Materials</i> , 2019, 16, 65-84.	9.5	183
99	Reversible calcium alloying enables a practical room-temperature rechargeable calcium-ion battery with a high discharge voltage. <i>Nature Chemistry</i> , 2018, 10, 667-672.	6.6	971
100	TiB <sub>2</sub> barrier interlayer approach for HFCVD diamond deposition onto cemented carbide tools. <i>Diamond and Related Materials</i> , 2018, 83, 126-133.	1.8	21
101	Penne-Like MoS <sub>2</sub> /Carbon Nanocomposite as Anode for Sodium-Ion-Based Dual-Ion Battery. <i>Small</i> , 2018, 14, e1703951.	5.2	106
102	A novel zinc-ion hybrid supercapacitor for long-life and low-cost energy storage applications. <i>Energy Storage Materials</i> , 2018, 13, 1-7.	9.5	421
103	Controlling Directional Liquid Motion on Micro- and Nanocrystalline Diamond/ <sup>12</sup> -SiC Composite Gradient Films. <i>Langmuir</i> , 2018, 34, 1419-1428.	1.6	16
104	A Novel Calcium-Ion Battery Based on Dual-Carbon Configuration with High Working Voltage and Long Cycling Life. <i>Advanced Science</i> , 2018, 5, 1701082.	5.6	97
105	A Review on the Features and Progress of Dual-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703320.	10.2	281
106	Core-Shell Aluminum@Carbon Nanospheres for Dual-Ion Batteries with Excellent Cycling Performance under High Rates. <i>Advanced Energy Materials</i> , 2018, 8, 1701967.	10.2	87
107	InnenrÄ¼cktitelbild: A Multi-Ion Strategy towards Rechargeable Sodium-Ion Full Batteries with High Working Voltage and Rate Capability ( <i>Angew. Chem.</i> 50/2018). <i>Angewandte Chemie</i> , 2018, 130, 16807-16807.	1.6	0
108	Potassium Dual-Ion Hybrid Batteries with Ultrahigh Rate Performance and Excellent Cycling Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42294-42300.	4.0	52

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109	Heterostructure Manipulation <i>via in Situ</i> Localized Phase Transformation for High-Rate and Highly Durable Lithium Ion Storage. ACS Nano, 2018, 12, 10430-10438.	7.3	138
110	A Multi-ion Strategy towards Rechargeable Sodium-ion Full Batteries with High Working Voltage and Rate Capability. Angewandte Chemie - International Edition, 2018, 57, 16370-16374.	7.2	114
111	A Multi-ion Strategy towards Rechargeable Sodium-ion Full Batteries with High Working Voltage and Rate Capability. Angewandte Chemie, 2018, 130, 16608-16612.	1.6	28
112	Hierarchical T-Nb <sub>2</sub> O <sub>5</sub> nanostructure with hybrid mechanisms of intercalation and pseudocapacitance for potassium storage and high-performance potassium dual-ion batteries. Journal of Materials Chemistry A, 2018, 6, 17889-17895.	5.2	112
113	A Flexible Dual-ion Battery Based on PVDF/HFP Modified Gel Polymer Electrolyte with Excellent Cycling Performance and Superior Rate Capability. Advanced Energy Materials, 2018, 8, 1801219.	10.2	243
114	Adherent and low friction nanocrystalline diamond films via adsorbing organic molecules in self-assembly seeding process. Applied Surface Science, 2018, 456, 75-82.	3.1	18
115	Bubble-Sheet-Like Interface Design with an Ultrastable Solid Electrolyte Layer for High-Performance Dual-ion Batteries. Advanced Materials, 2017, 29, 1606805.	11.1	134
116	Integrated Configuration Design for Ultrafast Rechargeable Dual-ion Battery. Advanced Energy Materials, 2017, 7, 1700913.	10.2	92
117	Enhancing the colloidal stability of detonation synthesized diamond particles in aqueous solutions by adsorbing organic mono-, bi- and tridentate molecules. Journal of Colloid and Interface Science, 2017, 499, 102-109.	5.0	29
118	A Novel Potassium-ion Based Dual-ion Battery. Advanced Materials, 2017, 29, 1700519.	11.1	508
119	A Novel and Generalized Lithium-ion Battery Configuration utilizing Al Foil as Both Anode and Current Collector for Enhanced Energy Density. Advanced Materials, 2017, 29, 1604219.	11.1	128
120	A Novel Tin-Graphite Dual-ion Battery Based on Sodium-ion Electrolyte with High Energy Density. Advanced Energy Materials, 2017, 7, 1601963.	10.2	223
121	Low-Cost Metallic Anode Materials for High Performance Rechargeable Batteries. Advanced Energy Materials, 2017, 7, 1700536.	10.2	171
122	A Dual-Carbon Battery Based on Potassium-ion Electrolyte. Advanced Energy Materials, 2017, 7, 1700920.	10.2	242
123	Enhanced nucleation of diamond on three dimensional tools via stabilized colloidal nanodiamond in electrostatic self-assembly seeding process. Journal of Colloid and Interface Science, 2017, 506, 543-552.	5.0	25
124	Multifunctional Electrode Design Consisting of 3D Porous Separator Modulated with Patterned Anode for High-Performance Dual-ion Batteries. Advanced Functional Materials, 2017, 27, 1703035.	7.8	56
125	A Novel Aluminum-Graphite Dual-ion Battery. Advanced Energy Materials, 2016, 6, 1502588.	10.2	1,079
126	Rice-Like Sulfur/Polyaniline Nanorods Wrapped with Reduced Graphene Oxide Nanosheets as High-Performance Cathode for Lithium-Sulfur Batteries. ChemElectroChem, 2016, 3, 999-1005.	1.7	15



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127	In-situ assembly of three-dimensional MoS <sub>2</sub> nanoleaves/carbon nanofiber composites derived from bacterial cellulose as flexible and binder-free anodes for enhanced lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 211, 404-410.	2.6	60
128	Carbon-coated Porous Aluminum Foil Anode for High-rate, Long-term Cycling Stability, and High Energy Density Dual-ion Batteries. <i>Advanced Materials</i> , 2016, 28, 9979-9985.	11.1	404
129	A Dual-ion Battery Constructed with Aluminum Foil Anode and Mesocarbon Microbead Cathode via an Alloying/Intercalation Process in an Ionic Liquid Electrolyte. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600605.	1.9	93
130	Graphene-nanowall-decorated Carbon Felt with Excellent Electrochemical Activity Toward VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>2+</sup> Couple for All Vanadium Redox Flow Battery. <i>Advanced Science</i> , 2016, 3, 1500276.	5.6	152
131	Solvothermal synthesis of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanowires embedded in 3D graphene networks as an anode for high-performance sodium-ion batteries. <i>Electrochimica Acta</i> , 2016, 211, 430-436.	2.6	63
132	Uniform Ultrasmall Manganese Monoxide Nanoparticle/Carbon Nanocomposite as a High-Performance Anode for Lithium Storage. <i>Electrochimica Acta</i> , 2016, 196, 634-641.	2.6	26
133	An array of Eiffel-tower-shape AlN nanotips and its field emission properties. <i>Applied Physics Letters</i> , 2005, 86, 233104.	1.5	87
134	Concentrated Electrolyte for High-performance Ca-ion Battery based on Organic Anode and Graphite Cathode. <i>Angewandte Chemie</i> , 0, , .	1.6	4
135	Unusual Size Effect in Ion and Charge Transport in Micron-sized Particulate Aluminum Anodes of Lithium-ion Batteries. <i>Angewandte Chemie</i> , 0, , .	1.6	0