

Ling Fan

List of Publications by Year in descending order

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59
papers

5,788
citations

76196

40
h-index

133063

59
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59
all docs

59
docs citations

59
times ranked

4944
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphite Anode for a Potassium-Ion Battery with Unprecedented Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10500-10505.	7.2	504
2	MoSe ₂ /N-Doped Carbon as Anodes for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801477.	10.2	391
3	A Nonaqueous Potassium-Based Battery-Supercapacitor Hybrid Device. <i>Advanced Materials</i> , 2018, 30, e1800804.	11.1	345
4	Surface-substituted Prussian blue analogue cathode for sustainable potassium-ion batteries. <i>Nature Sustainability</i> , 2022, 5, 225-234.	11.5	293
5	Core-Shell Ge@Graphene@TiO ₂ Nanofibers as a High-Capacity and Cycle-Stable Anode for Lithium and Sodium Ion Battery. <i>Advanced Functional Materials</i> , 2016, 26, 1104-1111.	7.8	265
6	Soft Carbon as Anode for High-Performance Sodium-Based Dual Ion Full Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1602778.	10.2	255
7	An Ultrafast and Highly Stable Potassium-Organic Battery. <i>Advanced Materials</i> , 2018, 30, e1805486.	11.1	255
8	An Organic Cathode for Potassium Dual-Ion Full Battery. <i>ACS Energy Letters</i> , 2017, 2, 1614-1620.	8.8	216
9	<i>In Situ</i> Alloying Strategy for Exceptional Potassium Ion Batteries. <i>ACS Nano</i> , 2019, 13, 3703-3713.	7.3	194
10	Ultrastable Potassium Storage Performance Realized by Highly Effective Solid Electrolyte Interphase Layer. <i>Small</i> , 2018, 14, e1801806.	5.2	175
11	Potassium-Based Dual Ion Battery with Dual-Graphite Electrode. <i>Small</i> , 2017, 13, 1701011.	5.2	166
12	Covalent sulfur for advanced room temperature sodium-sulfur batteries. <i>Nano Energy</i> , 2016, 28, 304-310.	8.2	164
13	An Ultrafast Rechargeable Hybrid Sodium-Based Dual-Ion Capacitor Based on Hard Carbon Cathodes. <i>Advanced Energy Materials</i> , 2018, 8, 1800140.	10.2	129
14	Prospects of Electrode Materials and Electrolytes for Practical Potassium-Based Batteries. <i>Small Methods</i> , 2021, 5, e2101131.	4.6	129
15	Hierarchically Porous N-Doped Carbon Fibers as a Free-Standing Anode for High-Capacity Potassium-Based Dual-Ion Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1901663.	10.2	128
16	Cyclic-anion salt for high-voltage stable potassium-metal batteries. <i>National Science Review</i> , 2022, 9, .	4.6	123
17	Control of SEI Formation for Stable Potassium-Ion Battery Anodes by Bi-MOF-Derived Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22474-22480.	4.0	117
18	Reactive Oxygen-Doped 3D Interdigital Carbonaceous Materials for Li and Na Ion Batteries. <i>Small</i> , 2016, 12, 2783-2791.	5.2	102

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19	Graphite Anode for a Potassium-Ion Battery with Unprecedented Performance. <i>Angewandte Chemie</i> , 2019, 131, 10610-10615.	1.6	100
20	Graphene Armored with a Crystal Carbon Shell for Ultrahigh-Performance Potassium Ion Batteries and Aluminum Batteries. <i>ACS Nano</i> , 2019, 13, 10631-10642.	7.3	98
21	Super long-life potassium-ion batteries based on an antimony@carbon composite anode. <i>Chemical Communications</i> , 2018, 54, 11773-11776.	2.2	97
22	Sb-MOFs derived Sb nanoparticles@porous carbon for high performance potassium-ion batteries anode. <i>Chemical Communications</i> , 2019, 55, 12511-12514.	2.2	90
23	Regulating Solvent Molecule Coordination with KPF ₆ for Superstable Graphite Potassium Anodes. <i>ACS Nano</i> , 2021, 15, 9167-9175.	7.3	89
24	Bacteria Absorption-Based Mn ₂ P ₂ O ₇ @Carbon@Reduced Graphene Oxides for High-Performance Lithium-Ion Battery Anodes. <i>ACS Nano</i> , 2016, 10, 5516-5524.	7.3	81
25	Low-temperature synthesis of edge-rich graphene paper for high-performance aluminum batteries. <i>Energy Storage Materials</i> , 2018, 15, 361-367.	9.5	73
26	Simultaneous Suppression of the Dendrite Formation and Shuttle Effect in a Lithium-Sulfur Battery by Bilateral Solid Electrolyte Interface. <i>Advanced Science</i> , 2018, 5, 1700934.	5.6	70
27	Weak Cation-Solvent Interactions in Ether-Based Electrolytes Stabilizing Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	70
28	Confined and covalent sulfur for stable room temperature potassium-sulfur battery. <i>Electrochimica Acta</i> , 2019, 293, 191-198.	2.6	68
29	Electrospun Lotus Root-like CoMoO ₄ @Graphene Nanofibers as High-Performance Anode for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016, 196, 125-130.	2.6	63
30	Accessible COF-Based Functional Materials for Potassium-Ion Batteries and Aluminum Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44352-44359.	4.0	62
31	TiO ₂ quantum dots decorated multi-walled carbon nanotubes as the multifunctional separator for highly stable lithium sulfur batteries. <i>Electrochimica Acta</i> , 2018, 284, 314-320.	2.6	61
32	Nature of Bimetallic Oxide Sb ₂ MoO ₆ /rGO Anode for High-Performance Potassium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900904.	5.6	60
33	Electrochemical Study of Poly(2,6-Anthraquinonyl Sulfide) as Cathode for Alkali-Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002780.	10.2	60
34	100 K cycles: Core-shell H-FeS@C based lithium-ion battery anode. <i>Energy Storage Materials</i> , 2017, 8, 20-27.	9.5	58
35	Rational Design of a Polyimide Cathode for a Stable and High-Rate Potassium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42078-42085.	4.0	55
36	An all-organic aqueous potassium dual-ion battery. <i>Journal of Energy Chemistry</i> , 2021, 57, 28-33.	7.1	52

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37	Efficient organic photovoltaics using solution-processed, annealing-free TiO ₂ nanocrystalline particles as an interface modification layer. <i>Organic Electronics</i> , 2015, 17, 253-261.	1.4	45
38	Offset Initial Sodium Loss To Improve Coulombic Efficiency and Stability of Sodium Dual-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15751-15759.	4.0	43
39	Weak Cation-Solvent Interactions in Ether-Based Electrolytes Stabilizing Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	43
40	Sn-Sb compounds with novel structure for stable potassium storage. <i>Chemical Engineering Journal</i> , 2020, 395, 125147.	6.6	41
41	Dual-Carbon Electrode-Based High-Energy-Density Potassium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8497-8506.	4.0	39
42	A new two-dimensional donor/acceptor copolymer based on 4,8-bis(2-ethylhexylthiophene)thieno[2,3-f]benzofuran for high-performance polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5651.	2.7	38
43	Antimony-Graphite Composites for a High-Performance Potassium-Ion Battery. <i>Energy Technology</i> , 2019, 7, 1900634.	1.8	31
44	N/S co-doped carbon nanosheet bundles as high-capacity anode for potassium-ion battery. <i>Nano Research</i> , 2022, 15, 2040-2046.	5.8	30
45	Layered Superconductor Cu _{0.11} TiSe ₂ as a High-Stable Cathode. <i>Advanced Functional Materials</i> , 2022, 32, 2109893.	7.8	30
46	Low Cost and Superior Safety Industrial Grade Lithium Dual-Ion Batteries with a Second Life. <i>Energy Technology</i> , 2018, 6, 1994-2000.	1.8	29
47	Double quantum dots decorated 3D graphene flowers for highly efficient photoelectrocatalytic hydrogen production. <i>Applied Surface Science</i> , 2017, 422, 528-535.	3.1	25
48	A new small molecule with indolone chromophore as the electron accepting unit for efficient organic solar cells. <i>Dyes and Pigments</i> , 2015, 113, 458-464.	2.0	18
49	Ultrathin Honeycomb-like Carbon as Sulfur Host Cathode for High Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 7076-7084.	2.5	17
50	NiO and CrO ₃ double surface-decorate Ni nanofibers for hydrogen evolution reduction. <i>Materials Letters</i> , 2016, 182, 15-18.	1.3	16
51	Alkyl substituted naphtho[1, 2-b: 5, 6-b']difuran as a new building block towards efficient polymer solar cells. <i>RSC Advances</i> , 2013, 3, 5366.	1.7	15
52	Battery Anodes: Core-Shell Ge@Graphene@TiO ₂ Nanofibers as a High-Capacity and Cycle-Stable Anode for Lithium and Sodium Ion Battery (<i>Adv. Funct. Mater.</i> 7/2016). <i>Advanced Functional Materials</i> , 2016, 26, 1143-1143.	7.8	12
53	Freestanding flexible Ni ₁₂ P ₅ in bacteria based carbon @ reduced graphene oxides paper for lithium-ion anode. <i>Materials Letters</i> , 2017, 207, 153-156.	1.3	11
54	Organic phosphomolybdate: a high capacity cathode for potassium ion batteries. <i>Chemical Communications</i> , 2020, 56, 12753-12756.	2.2	11

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55	Effect of fluorination on the performance of poly(thieno[2,3-f]benzofuran-co-benzothiadiazole) derivatives. <i>RSC Advances</i> , 2015, 5, 30145-30152.	1.7	10
56	Fluorine atom-inducing graphene oxide in situ coating SnPO composites as anode for sodium ion batteries. <i>Materials Today Energy</i> , 2019, 11, 174-181.	2.5	10
57	Benzodichalcogenophene-diketopyrrolopyrrole small molecules as donors for efficient solution processable solar cells. <i>Chemical Physics</i> , 2017, 493, 77-84.	0.9	9
58	Superstable potassium metal batteries with a controllable internal electric field. <i>Fundamental Research</i> , 2023, 3, 813-821.	1.6	5
59	Alkali-Metal-Ion Batteries: Electrochemical Study of Poly(2,6-Anthraquinonyl Sulfide) as Cathode for Alkali-Metal-Ion Batteries (<i>Adv. Energy Mater.</i> 48/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070198.	10.2	2