Ling Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4700121/publications.pdf

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59	5,788	76196	133063
papers	citations	40 h-index	59 g-index

59	59	59	4944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superstable potassium metal batteries with a controllable internal electric field. Fundamental Research, 2023, 3, 813-821.	1.6	5
2	N/S co-doped carbon nanosheet bundles as high-capacity anode for potassium-ion battery. Nano Research, 2022, 15, 2040-2046.	5.8	30
3	Layered Superconductor Cu_{0.11}TiSe₂ as a Highâ€Stable Kâ€Cathode. Advanced Functional Materials, 2022, 32, 2109893.	7.8	30
4	Surface-substituted Prussian blue analogue cathode for sustainable potassium-ion batteries. Nature Sustainability, 2022, 5, 225-234.	11.5	293
5	Weak Cationâ€“Solvent Interactions in Etherâ€Based Electrolytes Stabilizing Potassiumâ€ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	70
6	Weak Cationâ€“Solvent Interactions in Etherâ€Based Electrolytes Stabilizing Potassiumâ€ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	43
7	Cyclic-anion salt for high-voltage stable potassium-metal batteries. National Science Review, 2022, 9, .	4.6	123
8	An all-organic aqueous potassium dual-ion battery. Journal of Energy Chemistry, 2021, 57, 28-33.	7.1	52
9	Dual-Carbon Electrode-Based High-Energy-Density Potassium-Ion Hybrid Capacitor. ACS Applied Materials & Interfaces, 2021, 13, 8497-8506.	4.0	39
10	Regulating Solvent Molecule Coordination with KPF₆ for Superstable Graphite Potassium Anodes. ACS Nano, 2021, 15, 9167-9175.	7.3	89
11	Prospects of Electrode Materials and Electrolytes for Practical Potassiumâ€Based Batteries. Small Methods, 2021, 5, e2101131.	4.6	129
12	Electrochemical Study of Poly(2,6â€Anthraquinonyl Sulfide) as Cathode for Alkaliâ€Metalâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2002780.	10.2	60
13	Organic phosphomolybdate: a high capacity cathode for potassium ion batteries. Chemical Communications, 2020, 56, 12753-12756.	2.2	11
14	Sn-Sb compounds with novel structure for stable potassium storage. Chemical Engineering Journal, 2020, 395, 125147.	6.6	41
15	Alkaliâ€Metalâ€Ion Batteries: Electrochemical Study of Poly(2,6â€Anthraquinonyl Sulfide) as Cathode for Alkaliâ€Metalâ€Ion Batteries (Adv. Energy Mater. 48/2020). Advanced Energy Materials, 2020, 10, 2070198.	10.2	2
16	Hierarchically Porous Nâ€Doped Carbon Fibers as a Freeâ€Standing Anode for Highâ€Capacity Potassiumâ€Based Dualâ€Ion Battery. Advanced Energy Materials, 2019, 9, 1901663.	10.2	128
17	Antimonyâ€“Graphite Composites for a Highâ€Performance Potassiumâ€Ion Battery. Energy Technology, 2019, 7, 1900634.	1.8	31
18	Rational Design of a Polyimide Cathode for a Stable and High-Rate Potassium-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 42078-42085.	4.0	55

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19	Accessible COF-Based Functional Materials for Potassium-Ion Batteries and Aluminum Batteries. ACS Applied Materials & Interfaces, 2019, 11, 44352-44359.	4.0	62
20	Graphene Armored with a Crystal Carbon Shell for Ultrahigh-Performance Potassium Ion Batteries and Aluminum Batteries. ACS Nano, 2019, 13, 10631-10642.	7.3	98
21	Nature of Bimetallic Oxide Sb₂MoO₆/rGO Anode for Highâ€Performance Potassiumâ€Ion Batteries. Advanced Science, 2019, 6, 1900904.	5.6	60
22	Control of SEI Formation for Stable Potassium-Ion Battery Anodes by Bi-MOF-Derived Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 22474-22480.	4.0	117
23	Graphite Anode for a Potassiumâ€Ion Battery with Unprecedented Performance. Angewandte Chemie, 2019, 131, 10610-10615.	1.6	100
24	Graphite Anode for a Potassiumâ€Ion Battery with Unprecedented Performance. Angewandte Chemie - International Edition, 2019, 58, 10500-10505.	7.2	504
25	In Situ Alloying Strategy for Exceptional Potassium Ion Batteries. ACS Nano, 2019, 13, 3703-3713.	7.3	194
26	Sb-MOFs derived Sb nanoparticles@porous carbon for high performance potassium-ion batteries anode. Chemical Communications, 2019, 55, 12511-12514.	2.2	90
27	Fluorine atom-inducing graphene oxide in situ coating SnPO composites as anode for sodium ion batteries. Materials Today Energy, 2019, 11, 174-181.	2.5	10
28	Confined and covalent sulfur for stable room temperature potassium-sulfur battery. Electrochimica Acta, 2019, 293, 191-198.	2.6	68
29	Offset Initial Sodium Loss To Improve Coulombic Efficiency and Stability of Sodium Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 15751-15759.	4.0	43
30	A Nonaqueous Potassiumâ€Based Batteryâ€“Supercapacitor Hybrid Device. Advanced Materials, 2018, 30, e1800804.	11.1	345
31	Low Cost and Superior Safety Industrial Grade Lithium Dualâ€Ion Batteries with a Second Life. Energy Technology, 2018, 6, 1994-2000.	1.8	29
32	An Ultrafast Rechargeable Hybrid Sodiumâ€Based Dualâ€Ion Capacitor Based on Hard Carbon Cathodes. Advanced Energy Materials, 2018, 8, 1800140.	10.2	129
33	Ultrathin Honeycomb-like Carbon as Sulfur Host Cathode for High Performance Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2018, 1, 7076-7084.	2.5	17
34	Super long-life potassium-ion batteries based on an antimony@carbon composite anode. Chemical Communications, 2018, 54, 11773-11776.	2.2	97
35	An Ultrafast and Highly Stable Potassiumâ€“Organic Battery. Advanced Materials, 2018, 30, e1805486.	11.1	255
36	Low-temperature synthesis of edge-rich graphene paper for high-performance aluminum batteries. Energy Storage Materials, 2018, 15, 361-367.	9.5	73

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37	Ultrastable Potassium Storage Performance Realized by Highly Effective Solid Electrolyte Interphase Layer. Small, 2018, 14, e1801806.	5.2	175
38	Simultaneous Suppression of the Dendrite Formation and Shuttle Effect in a Lithiumâ€“Sulfur Battery by Bilateral Solid Electrolyte Interface. Advanced Science, 2018, 5, 1700934.	5.6	70
39	TiO2 quantum dots decorated multi-walled carbon nanotubes as the multifunctional separator for highly stable lithium sulfur batteries. Electrochimica Acta, 2018, 284, 314-320.	2.6	61
40	MoSe₂/Nâ€Doped Carbon as Anodes for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801477.	10.2	391
41	An Organic Cathode for Potassium Dual-Ion Full Battery. ACS Energy Letters, 2017, 2, 1614-1620.	8.8	216
42	Potassiumâ€Based Dual Ion Battery with Dualâ€Graphite Electrode. Small, 2017, 13, 1701011.	5.2	166
43	Double quantum dots decorated 3D graphene flowers for highly efficient photoelectrocatalytic hydrogen production. Applied Surface Science, 2017, 422, 528-535.	3.1	25
44	Benzodichalcogenophene-diketopyrrolopyrrole small molecules as donors for efficient solution processable solar cells. Chemical Physics, 2017, 493, 77-84.	0.9	9
45	100 K cycles: Core-shell H-FeS@C based lithium-ion battery anode. Energy Storage Materials, 2017, 8, 20-27.	9.5	58
46	Soft Carbon as Anode for Highâ€Performance Sodiumâ€Based Dual Ion Full Battery. Advanced Energy Materials, 2017, 7, 1602778.	10.2	255
47	Freestanding flexible Ni12P5 in bacteria based carbon @ reduced graphene oxides paper for lithium-ion anode. Materials Letters, 2017, 207, 153-156.	1.3	11
48	Coreâ€“Shell Ge@Graphene@TiO₂ Nanofibers as a Highâ€Capacity and Cycleâ€Stable Anode for Lithium and Sodium Ion Battery. Advanced Functional Materials, 2016, 26, 1104-1111.	7.8	265
49	Reactive Oxygenâ€Doped 3D Interdigital Carbonaceous Materials for Li and Na Ion Batteries. Small, 2016, 12, 2783-2791.	5.2	102
50	Battery Anodes: Coreâ€“Shell Ge@Graphene@TiO₂ Nanofibers as a Highâ€Capacity and Cycleâ€Stable Anode for Lithium and Sodium Ion Battery (Adv. Funct. Mater. 7/2016). Advanced Functional Materials, 2016, 26, 1143-1143.	7.8	12
51	NiO and CrO 3 double surface-decorate Ni nanofibers for hydrogen evolution reduction. Materials Letters, 2016, 182, 15-18.	1.3	16
52	Bacteria Absorption-Based Mn₂P₂O₇â€“Carbon@Reduced Graphene Oxides for High-Performance Lithium-Ion Battery Anodes. ACS Nano, 2016, 10, 5516-5524.	7.3	81
53	Covalent sulfur for advanced room temperature sodium-sulfur batteries. Nano Energy, 2016, 28, 304-310.	8.2	164
54	Electrospun Lotus Root-like CoMoO4@Graphene Nanofibers as High-Performance Anode for Lithium Ion Batteries. Electrochimica Acta, 2016, 196, 125-130.	2.6	63

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55	Efficient organic photovoltaics using solution-processed, annealing-free TiO2 nanocrystalline particles as an interface modification layer. Organic Electronics, 2015, 17, 253-261.	1.4	45
56	Effect of fluorination on the performance of poly(thieno[2,3-f]benzofuran-co-benzothiadiazole) derivatives. RSC Advances, 2015, 5, 30145-30152.	1.7	10
57	A new small molecule with indolone chromophore as the electron accepting unit for efficient organic solar cells. Dyes and Pigments, 2015, 113, 458-464.	2.0	18
58	A new two-dimensional donor/acceptor copolymer based on 4,8-bis(2â€²-ethylhexylthiophene)thieno[2,3-f]benzofuran for high-performance polymer solar cells. Journal of Materials Chemistry C, 2014, 2, 5651.	2.7	38
59	Alkyl substituted naphtho[1, 2-b: 5, 6-bâ€²]difuran as a new building block towards efficient polymer solar cells. RSC Advances, 2013, 3, 5366.	1.7	15