Jianfei Wu

List of Publications by Year in descending order

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33	1,023	430874	414414
papers	citations	18 h-index	32 g-index

34	34	34	1564
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Triplet Telluropheneâ€Based Acceptors for Organic Solar Cells. Angewandte Chemie - International Edition, 2018, 57, 1096-1102.	13.8	125
2	Tuning V_{oc} for high performance organic ternary solar cells with non-fullerene acceptor alloys. Journal of Materials Chemistry A, 2017, 5, 19697-19702.	10.3	94
3	Significant enhancement of photovoltaic performance through introducing Sâ‹¯N conformational locks. Journal of Materials Chemistry A, 2017, 5, 21674-21678.	10.3	87
4	Enhancement of the Oxygen Reduction Reaction Activity of Pt by Tuning Its d-Band Center via Transition Metal Oxide Support Interactions. ACS Catalysis, 2021, 11, 9317-9332.	11.2	87
5	A robust and low-cost biomass carbon fiber@SiO2 interlayer for reliable lithium-sulfur batteries. Electrochimica Acta, 2019, 295, 684-692.	5.2	56
6	Simultaneous Enhancement of Three Parameters of P3HTâ€Based Organic Solar Cells with One Oxygen Atom. Advanced Energy Materials, 2019, 9, 1803012.	19.5	54
7	Review of the Design of Current Collectors for Improving the Battery Performance in Lithium-Ion and Post-Lithium-Ion Batteries. Electrochem, 2020, 1, 124-159.	3.3	53
8	A lightweight and binder-free electrode enabled by lignin fibers@carbon-nanotubes and graphene for ultrastable lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 23486-23494.	10.3	45
9	Wide bandgap small molecular acceptors for low energy loss organic solar cells. Journal of Materials Chemistry C, 2017, 5, 12591-12596.	5.5	39
10	Enhanced lithium and electron diffusion of LiFePO4 cathode with two-dimensional Ti3C2 MXene nanosheets. Journal of Materials Science, 2018, 53, 11078-11090.	3.7	38
11	Effects of graphene with different sizes as conductive additives on the electrochemical performance of a LiFePO₄cathode. RSC Advances, 2017, 7, 20882-20887.	3.6	33
12	Iris-Like Acceptor with Most PDI Units for Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 28812-28818.	8.0	32
13	In Situ Ionâ€Conducting Protective Layer Strategy to Stable Lithium Metal Anode for Allâ€Solidâ€State Sulfideâ€Based Lithium Metal Batteries. Advanced Materials Interfaces, 2021, 8, .	3.7	32
14	Reliable Interlayer Based on Hybrid Nanocomposites and Carbon Nanotubes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 15607-15615.	8.0	30
15	Perylene Diimideâ€Based Conjugated Polymers for Allâ€Polymer Solar Cells. Chemistry - A European Journal, 2020, 26, 12510-12522.	3.3	29
16	Significant enhancement of responsivity of organic photodetectors upon molecular engineering. Journal of Materials Chemistry C, 2019, 7, 5739-5747.	5.5	28
17	Triplet Telluropheneâ€Based Acceptors for Organic Solar Cells. Angewandte Chemie, 2018, 130, 1108-1114.	2.0	26
18	Combination of noncovalent conformational locks and side chain engineering to tune the crystallinity of nonfullerene acceptors for high-performance P3HT based organic solar cells. Materials Chemistry Frontiers, 2019, 3, 64-69.	5.9	24

#	Article	IF	Citations
19	Analysis of the relationship between vertical imparity distribution of conductive additive and electrochemical behaviors in lithium ion batteries. Electrochimica Acta, 2018, 269, 422-428.	5.2	17
20	Improvement of superior cycle performance of LiNi0.8Co0.15Al0.05O2 cathode for lithium-ion batteries by multiple compound modifications. Journal of Electroanalytical Chemistry, 2019, 838, 178-185.	3.8	15
21	High-Efficiency Electrolyte for Li-Rich Cathode Materials Achieving Enhanced Cycle Stability and Suppressed Voltage Fading Capable of Practical Applications on a Li-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 49666-49679.	8.0	15
22	Multiply depolarized composite cathode of Li1.2Mn0.54Ni0.13Co0.13O2 embedded in a combinatory conductive network for lithium-ion battery with superior overall performances. Journal of Alloys and Compounds, 2018, 744, 41-50.	5.5	12
23	Dilute Electrolyte to Mitigate Capacity Decay and Voltage Fading of Co-Free Li-Rich Cathode for Next-Generation Li-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 12264-12275.	8.0	11
24	Surface double coating of a LiNiaCobAl1âˆ’aâˆ’bO2 (a > 0.85) cathode with TiOx and Li2CO3 to apply a water-based hybrid polymer binder to Li-ion batteries. RSC Advances, 2020, 10, 13642-13654.	3.6	9
25	The influence of deposited potential on the ORR activity of Pt catalysts on glassy carbon electrode. RSC Advances, 2017, 7, 25429-25436.	3.6	7
26	Designing conductive networks of hybrid carbon enables stable and long-lifespan cotton-fiber-based lithiumâ€“sulfur batteries. RSC Advances, 2021, 11, 34955-34962.	3.6	6
27	Sbâ€•and Oâ€Cosubstituted Li₁₀SnP₂S₁₂ with High Electrochemical and Air Stability for Allâ€Solidâ€State Lithium Batteries. ChemElectroChem, 2022, 9, .	3.4	6
28	Microwave-Assisted Classic Ullmann Câ€“C Coupling Polymerization for Acceptor-Acceptor Homopolymers. Polymers, 2019, 11, 1741.	4.5	3
29	Surface coating of a LiNi_xCo_yAl_{1âˆ’xâˆ’y}O₂ (x > 0.85) cathode with Li₃PO₄ for applying a water-based hybrid polymer binder during Li-ion battery preparation. RSC Advances, 2021, 11, 37150-37161.	3.6	3
30	Multichalcogen-Integrated Cathodes for Novel Lithium-Chalcogenide Batteries in Ether and Ester Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 32112-32123.	8.0	3
31	The effect of cooling process on the structure and charge/discharge capacities of Li-rich solid-solution layered oxide cathode materials for the Li-ion battery. RSC Advances, 2021, 11, 1715-1728.	3.6	2
32	Mitigated voltage decay and improved electrochemical properties of 0.5Li2MnO3â™0.5LiNixCoyMn1-x-yO2 cathode via composition optimizing. Ionics, 2021, 27, 2889-2900.	2.4	1
33	Frontispiece: Perylene Diimideâ€Based Conjugated Polymers for Allâ€Polymer Solar Cells. Chemistry - A European Journal, 2020, 26, .	3.3	0