

Xin-Zhi Yu

List of Publications by Year in descending order

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34
papers

3,776
citations

201385

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377514

34
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docs citations

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times ranked

4866
citing authors

#	ARTICLE	IF	CITATIONS
1	Super Long-Life Supercapacitors Based on the Construction of Nanohoneycomb-Like Strongly Coupled CoMoO ₄ 3D Graphene Hybrid Electrodes. <i>Advanced Materials</i> , 2014, 26, 1044-1051.	11.1	630
2	MoSe ₂ /N-Doped Carbon as Anodes for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801477.	10.2	391
3	Graphene Nanoribbons on Highly Porous 3D Graphene for High-Capacity and Ultrastable Al-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1604118.	11.1	293
4	Facile synthesis and excellent electrochemical properties of CoMoO ₄ nanoplate arrays as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7247.	5.2	246
5	<i>In Situ</i> Alloying Strategy for Exceptional Potassium Ion Batteries. <i>ACS Nano</i> , 2019, 13, 3703-3713.	7.3	194
6	NiMoO ₄ nanowires supported on Ni foam as novel advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9024.	5.2	185
7	Carbon Nanoscrolls for Aluminum Battery. <i>ACS Nano</i> , 2018, 12, 8456-8466.	7.3	165
8	A green and fast strategy for the scalable synthesis of Fe ₂ O ₃ /graphene with significantly enhanced Li-ion storage properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 3868.	6.7	125
9	A novel aluminum dual-ion battery. <i>Energy Storage Materials</i> , 2018, 11, 91-99.	9.5	123
10	An Iodine Quantum Dots Based Rechargeable Sodium-Iodine Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1601885.	10.2	104
11	An Ultrastable Nonaqueous Potassium-Ion Hybrid Capacitor. <i>Advanced Functional Materials</i> , 2020, 30, 2004247.	7.8	100
12	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
13	Graphene oxide oxidizes stannous ions to synthesize tin sulfide-graphene nanocomposites with small crystal size for high performance lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 23091.	6.7	97
14	Carbon Dots@rGO Paper as Freestanding and Flexible Potassium-Ion Batteries Anode. <i>Advanced Science</i> , 2020, 7, 2000470.	5.6	95
15	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
16	Polyimide/metal-organic framework hybrid for high performance Al - Organic battery. <i>Energy Storage Materials</i> , 2020, 31, 58-63.	9.5	78
17	Facile synthesis of well-ordered manganese oxide nanosheet arrays on carbon cloth for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8833.	5.2	76
18	Semimetallic vanadium molybdenum sulfide for high-performance battery electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9411-9419.	5.2	73

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19	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
20	Unzipped carbon nanotubes for aluminum battery. <i>Energy Storage Materials</i> , 2019, 23, 72-78.	9.5	64
21	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
22	Large-scale production of silicon nanoparticles@graphene embedded in nanotubes as ultra-robust battery anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4809-4817.	5.2	61
23	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
24	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. <i>Chemical Engineering Journal</i> , 2020, 389, 124407.	6.6	52
25	Free-standing N-doped hollow carbon fibers as high-performance anode for potassium ion batteries. <i>Science China Materials</i> , 2021, 64, 547-556.	3.5	45
26	Facile Synthesis of Copper Sulfide Nanosheet@Graphene Oxide for the Anode of Potassium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 1900987.	1.8	37
27	Layered Superconductor $\text{Cu}_{0.11}\text{TiSe}_2$ as a High-Stable Cathode. <i>Advanced Functional Materials</i> , 2022, 32, 2109893.	7.8	30
28	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
29	$\text{Fe}_{0.8}\text{CoSe}_2$ nanosphere coated by N-doped carbon for ultra-high rate potassium selenium battery. <i>Rare Metals</i> , 2021, 40, 2455-2463.	3.6	26
30	Structure-Optimized Phosphorene for Super-Stable Potassium Storage. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	23
31	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
32	Facilitating Phase Evolution for a High-Energy-Efficiency, Low-Cost O3-Type $\text{Na}_{0.18}\text{Cu}_{0.3}\text{Mn}_{0.52}\text{O}_2$ Sodium Ion Battery Cathode. <i>Inorganic Chemistry</i> , 2020, 59, 13792-13800.	1.9	15
33	Building ultra-stable Te battery by molecular regulation. <i>Journal of Energy Chemistry</i> , 2022, 69, 100-107.	7.1	15
34	Balsa-Wood-Derived Binder-Free Freestanding Carbon Foam as High-Performance Potassium Anode. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100018.	2.8	9