

# Xin-Zhi Yu

## List of Publications by Year in descending order

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34  
papers

3,776  
citations

201385

27  
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docs citations

34  
times ranked

4866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Building ultra-stable K <sup>+</sup> Te battery by molecular regulation. Journal of Energy Chemistry, 2022, 69, 100-107.	7.1	15
2	Layered Superconductor Cu <sub>0.11</sub> TiSe <sub>2</sub> as a High-Stable K <sup>+</sup> Cathode. Advanced Functional Materials, 2022, 32, 2109893.	7.8	30
3	Structure-Optimized Phosphorene for Super-Stable Potassium Storage. Advanced Functional Materials, 2022, 32, .	7.8	23
4	Free-standing N-doped hollow carbon fibers as high-performance anode for potassium ion batteries. Science China Materials, 2021, 64, 547-556.	3.5	45
5	Balsa-Wood-Derived Binder-Free Freestanding Carbon Foam as High-Performance Potassium Anode. Advanced Energy and Sustainability Research, 2021, 2, 2100018.	2.8	9
6	Fe <sub>0.8</sub> CoSe <sub>2</sub> nanosphere coated by N-doped carbon for ultra-high rate potassium selenium battery. Rare Metals, 2021, 40, 2455-2463.	3.6	26
7	Facile Synthesis of Copper Sulfide Nanosheet@Graphene Oxide for the Anode of Potassium-Ion Batteries. Energy Technology, 2020, 8, 1900987.	1.8	37
8	An Ultrastable Nonaqueous Potassium-Ion Hybrid Capacitor. Advanced Functional Materials, 2020, 30, 2004247.	7.8	100
9	Facilitating Phase Evolution for a High-Energy-Efficiency, Low-Cost O <sub>3</sub> -Type Na <sub>x</sub> Cu <sub>0.18</sub> Fe <sub>0.3</sub> Mn <sub>0.52</sub> O <sub>2</sub> Sodium Ion Battery Cathode. Inorganic Chemistry, 2020, 59, 13792-13800.	1.9	15
10	Polyimide/metal-organic framework hybrid for high performance Al - Organic battery. Energy Storage Materials, 2020, 31, 58-63.	9.5	78
11	Carbon Dots@rGO Paper as Freestanding and Flexible Potassium-Ion Batteries Anode. Advanced Science, 2020, 7, 2000470.	5.6	95
12	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. Chemical Engineering Journal, 2020, 389, 124407.	6.6	52
13	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
14	Accessible COF-Based Functional Materials for Potassium-Ion Batteries and Aluminum Batteries. ACS Applied Materials & Interfaces, 2019, 11, 44352-44359.	4.0	62
15	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
16	Unzipped carbon nanotubes for aluminum battery. Energy Storage Materials, 2019, 23, 72-78.	9.5	64
17	In Situ Alloying Strategy for Exceptional Potassium Ion Batteries. ACS Nano, 2019, 13, 3703-3713.	7.3	194
18	Sb-MOFs derived Sb nanoparticles@porous carbon for high performance potassium-ion batteries anode. Chemical Communications, 2019, 55, 12511-12514.	2.2	90

#	ARTICLE	IF	CITATIONS
19	Low Cost and Superior Safety Industrial Grade Lithium Dual-Ion Batteries with a Second Life. Energy Technology, 2018, 6, 1994-2000.	1.8	29
20	Semimetallic vanadium molybdenum sulfide for high-performance battery electrodes. Journal of Materials Chemistry A, 2018, 6, 9411-9419.	5.2	73
21	A novel aluminum dual-ion battery. Energy Storage Materials, 2018, 11, 91-99.	9.5	123
22	Ultrathin Honeycomb-like Carbon as Sulfur Host Cathode for High Performance Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2018, 1, 7076-7084.	2.5	17
23	Low-temperature synthesis of edge-rich graphene paper for high-performance aluminum batteries. Energy Storage Materials, 2018, 15, 361-367.	9.5	73
24	Carbon Nanoscrolls for Aluminum Battery. ACS Nano, 2018, 12, 8456-8466.	7.3	165
25	MoSe <sub>2</sub> /N-Doped Carbon as Anodes for Potassium-Ion Batteries. Advanced Energy Materials, 2018, 8, 1801477.	10.2	391
26	Large-scale production of silicon nanoparticles@graphene embedded in nanotubes as ultra-robust battery anodes. Journal of Materials Chemistry A, 2017, 5, 4809-4817.	5.2	61
27	Graphene Nanoribbons on Highly Porous 3D Graphene for High-Capacity and Ultrastable Al-Ion Batteries. Advanced Materials, 2017, 29, 1604118.	11.1	293
28	An Iodine Quantum Dots Based Rechargeable Sodium-Iodine Battery. Advanced Energy Materials, 2017, 7, 1601885.	10.2	104
29	Super Long-Life Supercapacitors Based on the Construction of Nanohoneycomb-Like Strongly Coupled CoMoO <sub>4</sub> /3D Graphene Hybrid Electrodes. Advanced Materials, 2014, 26, 1044-1051.	11.1	630
30	Facile synthesis of well-ordered manganese oxide nanosheet arrays on carbon cloth for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 8833.	5.2	76
31	NiMoO <sub>4</sub> nanowires supported on Ni foam as novel advanced electrodes for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 9024.	5.2	185
32	Facile synthesis and excellent electrochemical properties of CoMoO <sub>4</sub> nanoplate arrays as supercapacitors. Journal of Materials Chemistry A, 2013, 1, 7247.	5.2	246
33	A green and fast strategy for the scalable synthesis of Fe <sub>2</sub> O <sub>3</sub> /graphene with significantly enhanced Li-ion storage properties. Journal of Materials Chemistry, 2012, 22, 3868.	6.7	125
34	Graphene oxide oxidizes stannous ions to synthesize tin sulfide-graphene nanocomposites with small crystal size for high performance lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 23091.	6.7	97