

Boyang Yu

List of Publications by Year in descending order

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14
papers

1,057
citations

759233

12
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1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermosensitive crystallization-enhanced liquid thermocells for low-grade heat harvesting. <i>Science</i> , 2020, 370, 342-346.	12.6	289
2	Aqueous thermogalvanic cells with a high Seebeck coefficient for low-grade heat harvest. <i>Nature Communications</i> , 2018, 9, 5146.	12.8	255
3	Liquid-state thermocells: Opportunities and challenges for low-grade heat harvesting. <i>Joule</i> , 2021, 5, 768-779.	24.0	113
4	P-N conversion in thermogalvanic cells induced by thermo-sensitive nanogels for body heat harvesting. <i>Nano Energy</i> , 2019, 57, 473-479.	16.0	89
5	Ultra-stretchable, bio-inspired ionic skins that work stably in various harsh environments. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24114-24119.	10.3	75
6	Tough hydrogel diodes with tunable interfacial adhesion for safe and durable wearable batteries. <i>Nano Energy</i> , 2018, 48, 569-574.	16.0	63
7	Simultaneous Solar Steam and Electricity Generation from Synergistic Salinity-Temperature Gradient. <i>Advanced Energy Materials</i> , 2021, 11, 2100481.	19.5	42
8	Charge-Gradient Hydrogels Enable Direct Zero Liquid Discharge for Hypersaline Wastewater Management. <i>Advanced Materials</i> , 2021, 33, e2100141.	21.0	37
9	Cost-effective n-type thermocells enabled by thermosensitive crystallizations and 3D multi-structured electrodes. <i>Nano Energy</i> , 2022, 93, 106795.	16.0	31
10	All-Day Thermogalvanic Cells for Environmental Thermal Energy Harvesting. <i>Research</i> , 2019, 2019, 2460953.	5.7	18
11	Heat-triggered high-performance thermocells enable a self-powered forest fire alarm. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26119-26126.	10.3	17
12	High-efficiency solar heat storage enabled by adaptive radiation management. <i>Cell Reports Physical Science</i> , 2021, 2, 100533.	5.6	15
13	Thermosensitive-CsI ₃ -crystal-driven high-power λ^2/λ^3 thermocells. <i>Cell Reports Physical Science</i> , 2022, 3, 100737.	5.6	12
14	Liquid-state thermocells for low-grade heat harvesting. , 2022, , 141-162.		1