

# Yi Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/176693/publications.pdf>

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13  
papers

784  
citations

1040056

9  
h-index

1199594

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g-index

14  
all docs

14  
docs citations

14  
times ranked

722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid solar-driven interfacial evaporation systems: Beyond water production towards high solar energy utilization. <i>Materials Today</i> , 2021, 42, 178-191.	14.2	274
2	Controlled heterogeneous water distribution and evaporation towards enhanced photothermal water-electricity-hydrogen production. <i>Nano Energy</i> , 2020, 77, 105102.	16.0	148
3	Scalable thermoelectric fibers for multifunctional textile-electronics. <i>Nature Communications</i> , 2020, 11, 6006.	12.8	122
4	A Fast Autonomous Healing Magnetic Elastomer for Instantly Recoverable, Modularly Programmable, and Thermorecyclable Soft Robots. <i>Advanced Functional Materials</i> , 2021, 31, 2101825.	14.9	56
5	All-Soft and Stretchable Thermogalvanic Gel Fabric for Antideformity Body Heat Harvesting Wearable. <i>Advanced Energy Materials</i> , 2021, 11, 2102219.	19.5	52
6	Suppressing bipolar effect to broadening the optimum range of thermoelectric performance for p-type bismuth telluride-based alloys via calcium doping. <i>Materials Today Physics</i> , 2019, 9, 100130.	6.0	45
7	Dynamic piezo-thermoelectric generator for simultaneously harvesting mechanical and thermal energies. <i>Nano Energy</i> , 2020, 69, 104397.	16.0	38
8	Enhanced Thermoelectric Performance Achieved in SnTe via the Synergy of Valence Band Regulation and Fermi Level Modulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50037-50045.	8.0	18
9	A review of radioisotope batteries. <i>Chinese Science Bulletin</i> , 2017, 62, 1831-1845.	0.7	10
10	Porous Thermoelectric Zintl: $\text{YbCd}_2\text{Sb}_2$ . <i>ACS Applied Energy Materials</i> , 2021, 4, 913-920.	5.1	9
11	Redesign high-performance flexible thermoelectrics: From mathematical algorithm to artificial cracks. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	8
12	Design and Fabrication of Multifunctional Portable Bi <sub>2</sub> Te <sub>3</sub> -Based Thermoelectric Camping Lamp. <i>Journal of Electronic Materials</i> , 2018, 47, 4090-4097.	2.2	3
13	Piezoelectric Nuclear Battery Driven by the Jet-Flow. , 2017, , .		1