

# Yao Yu

## List of Publications by Year in descending order

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24  
papers

1,054  
citations

567144

15  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gallium-Doped $\text{Li}_{7-x}\text{La}_3\text{Zr}_2\text{O}_{12}$ Garnet-Type Electrolytes with High Lithium-Ion Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1542-1552.	4.0	266
2	Carbon-based flexible micro-supercapacitor fabrication via mask-free ambient micro-plasma-jet etching. <i>Carbon</i> , 2017, 111, 121-127.	5.4	128
3	Evidence of liquid-liquid transition in glass-forming $\text{La}_{50}\text{Al}_{35}\text{Ni}_{15}$ melt above liquidus temperature. <i>Nature Communications</i> , 2015, 6, 7696.	5.8	111
4	Electrochemical activation of carbon cloth in aqueous inorganic salt solution for superior capacitive performance. <i>Nanoscale</i> , 2016, 8, 10406-10414.	2.8	82
5	Patterned graphene functionalization via mask-free scanning of micro-plasma jet under ambient condition. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	66
6	One-step electrochemically expanded graphite foil for flexible all-solid supercapacitor with high rate performance. <i>Electrochimica Acta</i> , 2017, 228, 553-561.	2.6	48
7	New P2-Type Honeycomb-Layered Sodium-Ion Conductor: $\text{Na}_2\text{Mg}_2\text{TeO}_6$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15760-15766.	4.0	44
8	A P2-Type Layered Superionic Conductor Ga-Doped $\text{Na}_2\text{Zn}_2\text{TeO}_6$ for All-Solid-State Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 1057-1061.	1.7	42
9	Si-Doping Mediated Phase Control from $\text{Li}_3\text{VO}_4$ toward Smoothing Li Insertion/Extraction. <i>Advanced Energy Materials</i> , 2018, 8, 1701621.	10.2	37
10	Giant Stability Enhancement of $\text{CsPbX}_3$ Nanocrystal Films by Plasma-Induced Ligand Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35270-35276.	4.0	36
11	Holey graphene synthesized by electrochemical exfoliation for high-performance flexible microsupercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7852-7858.	5.2	34
12	Silver nanowires as the current collector for a flexible in-plane micro-supercapacitor via a one-step, mask-free patterning strategy. <i>Nanotechnology</i> , 2018, 29, 055401.	1.3	24
13	Electrochemical training of nanoporous Cu-In catalysts for efficient $\text{CO}_2$ -to- $\text{CO}$ conversion and high durability. <i>Electrochimica Acta</i> , 2019, 295, 584-590.	2.6	24
14	Glass-forming ability correlated with the liquid-liquid transition in $\text{Pd}_{42.5}\text{Ni}_{42.5}\text{P}_{15}$ alloy. <i>Scripta Materialia</i> , 2021, 193, 117-121.	2.6	21
15	Phytic acid-assisted electrochemically synthesized three-dimensional O, P-functionalized graphene monoliths with high capacitive performance. <i>Nanoscale</i> , 2017, 9, 12601-12608.	2.8	18
16	Conformal Shell Amorphization of Nanoporous Ag-Bi for Efficient Formate Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31319-31326.	4.0	15
17	Nanowelding and patterning of silver nanowires via mask-free atmospheric cold plasma-jet scanning. <i>Nanotechnology</i> , 2017, 28, 225301.	1.3	11
18	Flexible Bimetallic Nanoporous Cu-Ag Synthesized by Electrochemical Dealloying for Battery-Type Electrodes with High Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2018, 165, A947-A951.	1.3	11

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19	Dynamic signature of orbital selective Mott transition in the metallic phase of VO <sub>2</sub> . New Journal of Physics, 2018, 20, 073026.	1.2	8
20	First-Order Liquid-Liquid Transition without Density Discontinuity in Molten Sodium Acetate Trihydrate and Its Influence on Crystallization. Journal of Physical Chemistry Letters, 2019, 10, 4285-4290.	2.1	8
21	Cold plasma welding of polyaniline nanofibers with enhanced electrical and mechanical properties. Nanotechnology, 2015, 26, 495302.	1.3	7
22	Intrinsically Optimizing Charge Transfer via Tuning Charge/Discharge Mode for Lithium-Oxygen Batteries. Small, 2019, 15, 1900154.	5.2	7
23	<i>In situ</i> high-temperature nuclear magnetic resonance characterization of structural evolution in pure gallium melt. Physical Review B, 2019, 100, .	1.1	5
24	Hierarchical aging pathways and signatures of thermodynamic transition in molecular glasses. Science China Materials, 2019, 62, 864-872.	3.5	1