

# Wenxu Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1508542/publications.pdf>

Version: 2024-02-01

19  
papers

1,396  
citations

623734

14  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high-voltage Ni-rich layered cathodes in practical Li metal batteries enabled by a sulfonamide-based electrolyte. <i>Nature Energy</i> , 2021, 6, 495-505.	39.5	323
2	Cleavable comonomers enable degradable, recyclable thermoset plastics. <i>Nature</i> , 2020, 583, 542-547.	27.8	253
3	FSI-inspired solvent and full fluorosulfonyl electrolyte for 4 V class lithium-metal batteries. <i>Energy and Environmental Science</i> , 2020, 13, 212-220.	30.8	198
4	Stabilizing electrode-electrolyte interfaces to realize high-voltage Li   LiCoO <sub>2</sub> batteries by a sulfonamide-based electrolyte. <i>Energy and Environmental Science</i> , 2021, 14, 6030-6040.	30.8	84
5	Click Chemistry: Diverse (Bio)(macro)molecular and Material Function through Breaking Covalent Bonds. <i>Chemical Reviews</i> , 2021, 121, 7059-7121.	47.7	75
6	Photo-Cross-Linked Anion Exchange Membranes with Improved Water Management and Conductivity. <i>Macromolecules</i> , 2016, 49, 153-161.	4.8	68
7	Achieving Continuous Anion Transport Domains Using Block Copolymers Containing Phosphonium Cations. <i>Macromolecules</i> , 2016, 49, 4714-4722.	4.8	60
8	Molecular Design of Stable Sulfamide- and Sulfonamide-Based Electrolytes for Aprotic Li-O <sub>2</sub> Batteries. <i>CheM</i> , 2019, 5, 2630-2641.	11.7	53
9	Molecularly Tunable Polyanions for Single-Ion Conductors and Poly(solvate ionic liquids). <i>Chemistry of Materials</i> , 2021, 33, 524-534.	6.7	53
10	Directed Self-Assembly of Poly(2-vinylpyridine)- <i>b</i> - <i>i</i> -polystyrene- <i>b</i> - <i>i</i> -poly(2-vinylpyridine) Triblock Copolymer with Sub-15 nm Spacing Line Patterns Using a Nanoimprinted Photoresist Template. <i>Advanced Materials</i> , 2015, 27, 4364-4370.	21.0	51
11	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16676-16681.	13.8	44
12	Mapping a stable solvent structure landscape for aprotic Li-air battery organic electrolytes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23987-23998.	10.3	33
13	Insights into the Water Transport Mechanism in Polymeric Membranes from Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 1443-1450.	4.8	30
14	Fluorinated Aryl Sulfonimide Tagged (FAST) salts: modular synthesis and structure-property relationships for battery applications. <i>Energy and Environmental Science</i> , 2018, 11, 1326-1334.	30.8	26
15	Design of S-Substituted Fluorinated Aryl Sulfonamide-Tagged (S-FAST) Anions To Enable New Solvate Ionic Liquids for Battery Applications. <i>Chemistry of Materials</i> , 2019, 31, 7558-7564.	6.7	11
16	Effect of Surface Alignment on Connectivity in Phosphonium-Containing Diblock Copolymer Anion-Exchange Membranes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30819-30826.	3.1	11
17	Crosslinked anion exchange membranes with connected cations. <i>Journal of Polymer Science Part A</i> , 2018, 56, 618-625.	2.3	9
18	Tuning microdomain spacing with light using ortho-nitrobenzyl-linked triblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 355-361.	2.1	5

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19	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. <i>Angewandte Chemie</i> , 2019, 131, 16829-16834.	2.0	5