# Wenxu Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Molecularly Tunable Polyanions for Single-Ion Conductors and Poly(solvate ionic liquids). Chemistry of Materials, 2021, 33, 524-534. | 6.7 | 53 |
| 2 | Ultra-high-voltage Ni-rich layered cathodes in practical Li metal batteries enabled by a sulfonamide-based electrolyte. Nature Energy, 2021, 6, 495-505. | 39.5 | 323 |
| 3 | Clip Chemistry: Diverse (Bio)(macro)molecular and Material Function through Breaking Covalent Bonds. Chemical Reviews, 2021, 121, 7059-7121. | 47.7 | 75 |
| 4 | Stabilizing electrodeâ€“electrolyte interfaces to realize high-voltage Li\|\|LiCoO<sub>2</sub> batteries by a sulfonamide-based electrolyte. Energy and Environmental Science, 2021, 14, 6030-6040. | 30.8 | 84 |
| 5 | FSI-inspired solvent and â€œfull fluorosulfonylâ€•electrolyte for 4 V class lithium-metal batteries. Energy and Environmental Science, 2020, 13, 212-220. | 30.8 | 198 |
| 6 | Cleavable comonomers enable degradable, recyclable thermoset plastics. Nature, 2020, 583, 542-547. | 27.8 | 253 |
| 7 | Insights into the Water Transport Mechanism in Polymeric Membranes from Neutron Scattering. Macromolecules, 2020, 53, 1443-1450. | 4.8 | 30 |
| 8 | Design of S-Substituted Fluorinated Aryl Sulfonamide-Tagged (S-FAST) Anions To Enable New Solvate Ionic Liquids for Battery Applications. Chemistry of Materials, 2019, 31, 7558-7564. | 6.7 | 11 |
| 9 | Molecular Design of Stable Sulfamide- and Sulfonamide-Based Electrolytes for Aprotic Li-O2 Batteries. CheM, 2019, 5, 2630-2641. | 11.7 | 53 |
| 10 | PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie, 2019, 131, 16829-16834. | 2.0 | 5 |
| 11 | PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie - International Edition, 2019, 58, 16676-16681. | 13.8 | 44 |
| 12 | Effect of Surface Alignment on Connectivity in Phosphonium-Containing Diblock Copolymer Anion-Exchange Membranes. Journal of Physical Chemistry C, 2019, 123, 30819-30826. | 3.1 | 11 |
| 13 | Crosslinked anion exchange membranes with connected cations. Journal of Polymer Science Part A, 2018, 56, 618-625. | 2.3 | 9 |
| 14 | Tuning microdomain spacing with light using orthoâ€•nitrobenzylâ€•linked triblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 355-361. | 2.1 | 5 |
| 15 | Fluorinated Aryl Sulfonimide Tagged (FAST) salts: modular synthesis and structureâ€“property relationships for battery applications. Energy and Environmental Science, 2018, 11, 1326-1334. | 30.8 | 26 |
| 16 | Mapping a stable solvent structure landscape for aprotic Liâ€“air battery organic electrolytes. Journal of Materials Chemistry A, 2017, 5, 23987-23998. | 10.3 | 33 |
| 17 | Achieving Continuous Anion Transport Domains Using Block Copolymers Containing Phosphonium Cations. Macromolecules, 2016, 49, 4714-4722. | 4.8 | 60 |
| 18 | Photo-Cross-Linked Anion Exchange Membranes with Improved Water Management and Conductivity. Macromolecules, 2016, 49, 153-161. | 4.8 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Directed Selfâ€Assembly of Poly(2â€vinylpyridine)â€bâ€polystyreneâ€bâ€poly(2â€vinylpyridine) Triblock Copolymer with Subâ€15 nm Spacing Line Patterns Using a Nanoimprinted Photoresist Template. Advanced Materials, 2015, 27, 4364-4370. | 21.0 | 51 |