Meng Zhao

List of Publications by Citations

38 papers	2,247 citations	21 h-index	44 g-index
44 ext. papers	3,340 ext. citations	12.9 avg, IF	5.89 L-index

#	Paper	IF	Citations
38	Conductive and Catalytic Triple-Phase Interfaces Enabling Uniform Nucleation in High-Rate Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1802768	21.8	347
37	Lithium-Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. *Angewandte Chemie - International Edition*, **2020**, 59, 12636-12652	16.4	230
36	Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1903813	24	215
35	Activating Inert Metallic Compounds for High-Rate Lithium-Sulfur Batteries Through In Situ Etching of Extrinsic Metal. *Angewandte Chemie - International Edition*, **2019**, 58, 3779-3783	16.4	204
34	Heterogeneous/Homogeneous Mediators for High-Energy-Density Lithium–Sulfur Batteries: Progress and Prospects. *Advanced Functional Materials*, **2018**, 28, 1707536	15.6	197
33	A Perspective toward Practical Lithium-Sulfur Batteries. *ACS Central Science*, **2020**, 6, 1095-1104	16.8	184
32	Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion. *Angewandte Chemie - International Edition*, **2020**, 59, 9011-9017	16.4	106
31	Redox Comediation with Organopolysulfides in Working Lithium-Sulfur Batteries. *CheM*, **2020**, 6, 3297-3311	24.1	84
30	An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithium-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2007298	24	61
29	Dictating High-Capacity Lithium–Sulfur Batteries through Redox-Mediated Lithium Sulfide Growth. *Small Methods*, **2020**, 4, 1900344	12.8	58
28	Precise anionic regulation of NiFe hydroxysulfide assisted by electrochemical reactions for efficient electrocatalysis. *Energy and Environmental Science*, **2020**, 13, 1711-1716	35.4	57
27	Electrolyte Regulation towards Stable Lithium-Metal Anodes in Lithium-Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. *Angewandte Chemie - International Edition*, **2020**, 59, 10732-10745	16.4	56
26	Regulation of carbon distribution to construct high-sulfur-content cathode in lithium–sulfur batteries. *Journal of Energy Chemistry*, **2021**, 56, 203-208	12	49
25	Promoting the sulfur redox kinetics by mixed organodiselenides in high-energy-density lithium–sulfur batteries. *EScience*, **2021**, 1, 44-44		45
24	The reduction of interfacial transfer barrier of Li ions enabled by inorganics-rich solid-electrolyte interphase. *Energy Storage Materials*, **2020**, 28, 401-406	19.4	38
23	Activating Inert Metallic Compounds for High-Rate Lithium–Sulfur Batteries Through In Situ Etching of Extrinsic Metal. *Angewandte Chemie*, **2019**, 131, 3819-3823	3.6	34
22	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithium-Sulfur Batteries. *Journal of the American Chemical Society*, **2021**, 143, 19865-19872	16.4	33

21	Redox mediator assists electron transfer in lithium–sulfur batteries with sulfurized polyacrylonitrile cathodes. *EcoMat*, **2021**, 3, e12066	9.4	27
20	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semi-Immobilized Redox Mediators in Working Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 17670-17675	16.4	26
19	MnO2 supported on acrylic cloth as functional separator for high-performance lithium–sulfur batteries. *Journal of Power Sources*, **2020**, 464, 228181	8.9	24
18	Evaluation on a 400 Wh kg−1 lithium–sulfur pouch cell. *Journal of Energy Chemistry*, **2022**, 66, 24-29	12	23
17	Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion. *Angewandte Chemie*, **2020**, 132, 9096-9102	3.6	21
16	Understanding the Impedance Response of Lithium Polysulfide Symmetric Cells. *Small Science*,2100042		19
15	Electrolyte Regulation towards Stable Lithium-Metal Anodes in Lithium–Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. *Angewandte Chemie*, **2020**, 132, 10821-10834	3.6	17
14	Lithium-Schwefel-Batterien mit Magerelektrolyt: Herausforderungen und Perspektiven. *Angewandte Chemie*, **2020**, 132, 12736-12753	3.6	17
13	Anode Material Options Toward 500 Wh kg Lithium-Sulfur Batteries. *Advanced Science*, **2021**, 9, e2103910	13.6	13
12	Towards Practical High-Energy-Density Lithium-Sulfur Pouch Cells: A Review.. *Advanced Materials*, **2022**, e2201555	24	12
11	The formation of crystalline lithium sulfide on electrocatalytic surfaces in lithium–sulfur batteries. *Journal of Energy Chemistry*, **2022**, 64, 568-573	12	10
10	Enhanced electrochemical performance of LiNiCoMnO with a 3D-SiO framework by a new negative pressure immersion method. *Dalton Transactions*, **2020**, 49, 2933-2940	4.3	7
9	Surface Gelation on Disulfide Electrocatalysts in Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
8	Lithium-Sulfur Batteries: An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithium–Sulfur Batteries (Adv. Mater. 13/2021). *Advanced Materials*, **2021**, 33, 2170100	24	5
7	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semi-Immobilized Redox Mediators in Working Batteries. *Angewandte Chemie*, **2020**, 132, 17823-17828	3.6	3
6	Ether-compatible lithium sulfur batteries with robust performance via selenium doping. *Journal of Energy Chemistry*, **2020**, 46, 199-201	12	3
5	The Pursuit for Practical Lithium-Sulfur Batteries. *CheM*, **2020**, 6, 3161-3162	16.2	2
4	Full-Range Redox Mediation on Sulfur Redox Kinetics for High-Performance Lithium-Sulfur Batteries. *Batteries and Supercaps*, **2022**, 5,	5.6	2

3	Rücktitelbild: Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion (Angew. Chem. 23/2020). *Angewandte Chemie*, **2020**, 132, 9278-9278	3.6	1
2	Frontispiece: Surface Gelation on Disulfide Electrocatalysts in Lithium–Sulfur Batteries. *Angewandte Chemie - International Edition*, **2022**, 61,	16.4	1
1	Innentitelbild: Activating Inert Metallic Compounds for High-Rate Lithium–Sulfur Batteries Through In Situ Etching of Extrinsic Metal (Angew. Chem. 12/2019). *Angewandte Chemie*, **2019**, 131, 3692-3692	3.6	1