

# Shuo Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,469  
citations

377584

21  
h-index

511568

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite Cathodes with Succinonitrile-Based Ionic Conductors for Long-Cycle-Life Solid-State Lithium Metal Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	3
2	Biphasic mineralized collagen-based composite scaffold for cranial bone regeneration in developing sheep. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac004.	1.9	12
3	Insights into Synergistic Effect of g-C <sub>3</sub> N <sub>4</sub> /Graphite Heterostructures for Boosting Sodium Ion Storage with Long Cycle Stability. <i>ACS Applied Energy Materials</i> , 2022, 5, 7308-7316.	2.5	8
4	Interfacial challenges for all-solid-state batteries based on sulfide solid electrolytes. <i>Journal of Materiomics</i> , 2021, 7, 209-218.	2.8	82
5	Influence of Crystallinity of Lithium Thiophosphate Solid Electrolytes on the Performance of Solid-State Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100654.	10.2	64
6	Lithium Argyrodite as Solid Electrolyte and Cathode Precursor for Solid-State Batteries with Long Cycle Life. <i>Advanced Energy Materials</i> , 2021, 11, 2101370.	10.2	56
7	Construction and Characterizations of Antibacterial Surfaces Based on Self-Assembled Monolayer of Antimicrobial Peptides (Pac-525) Derivatives on Gold. <i>Coatings</i> , 2021, 11, 1014.	1.2	4
8	3D printing of advanced lithium batteries: a designing strategy of electrode/electrolyte architectures. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25237-25257.	5.2	50
9	MXene/TiO <sub>2</sub> Heterostructure-Decorated Hard Carbon with Stable Ti-O-C Bonding for Enhanced Sodium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51028-51038.	4.0	36
10	Tuning pore features of mineralized collagen/PCL scaffolds for cranial bone regeneration in a rat model. <i>Materials Science and Engineering C</i> , 2020, 106, 110186.	3.8	46
11	Free-standing sulfide/polymer composite solid electrolyte membranes with high conductance for all-solid-state lithium batteries. <i>Energy Storage Materials</i> , 2020, 25, 145-153.	9.5	85
12	High-conductivity free-standing Li <sub>6</sub> PS <sub>5</sub> Cl/poly(vinylidene difluoride) composite solid electrolyte membranes for lithium-ion batteries. <i>Journal of Materiomics</i> , 2020, 6, 70-76.	2.8	51
13	Conductive gel composite cathodes with high mass loading of active oxides for high-performance solid-state lithium metal batteries. <i>Solid State Ionics</i> , 2020, 345, 115196.	1.3	4
14	Organic-Organic Composite Electrolyte Enables Ultralong Cycle Life in Solid-State Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24837-24844.	4.0	55
15	Bioactive poly (methyl methacrylate) bone cement for the treatment of osteoporotic vertebral compression fractures. <i>Theranostics</i> , 2020, 10, 6544-6560.	4.6	41
16	High Cycling Stability for Solid-State Li Metal Batteries via Regulating Solvation Effect in Poly(Vinylidene Fluoride)-Based Electrolytes. <i>Batteries and Supercaps</i> , 2020, 3, 876-883.	2.4	84
17	Response to Comment on "Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes". <i>Advanced Materials</i> , 2020, 32, e2000026.	11.1	40
18	Enhanced Cycle Stability of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanosheets Grown <i>in Situ</i> on Nickel Foam as an Anode for Sodium-Ion Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 3901-3908.	2.5	17

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19	Synthesis and Electrochemical Property of FeOOH/Graphene Oxide Composites. <i>Frontiers in Chemistry</i> , 2020, 8, 328.	1.8	24
20	Mineralization of calcium phosphate controlled by biomimetic self-assembled peptide monolayers via surface electrostatic potentials. <i>Bioactive Materials</i> , 2020, 5, 387-397.	8.6	26
21	Nanoarchitected Co <sub>3</sub> O <sub>4</sub> /reduced graphene oxide as anode material for lithium-ion batteries with enhanced cycling stability. <i>Ionics</i> , 2019, 25, 5779-5786.	1.2	19
22	High-performance Li <sub>6</sub> PS <sub>5</sub> Cl-based all-solid-state lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18612-18618.	5.2	40
23	Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene fluoride) Electrolyte. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11111-11118.	11.1	295
24	High-performance all-solid-state lithium-sulfur batteries with sulfur/carbon nano-hybrids in a composite cathode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23345-23356.	5.2	48
25	High-Conductivity Argyrodite Li <sub>6</sub> PS <sub>5</sub> Cl Solid Electrolytes Prepared via Optimized Sintering Processes for All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42279-42285.	4.0	170
26	A Study on the Effect of Ultrasonic Treatment on the Microstructure of Sn-30 wt.% Bi Alloy. <i>Materials</i> , 2018, 11, 1870.	1.3	3
27	Culture of pyramidal neural precursors, neural stem cells, and fibroblasts on various biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 2168-2186.	1.9	4
28	A high-strength mineralized collagen bone scaffold for large-sized cranial bone defect repair in sheep. <i>International Journal of Energy Production and Management</i> , 2018, 5, 283-292.	1.9	41
29	Mineralized Collagen-Based Composite Bone Materials for Cranial Bone Regeneration in Developing Sheep. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1092-1099.	2.6	37
30	Two competitive nucleation mechanisms of calcium carbonate biomineralization in response to surface functionality in low calcium ion concentration solution. <i>International Journal of Energy Production and Management</i> , 2015, 2, 187-195.	1.9	26