

Junwei Sha

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,950
citations

25
h-index

44
g-index

50
ext. papers

2,434
ext. citations

9.8
avg, IF

4.87
L-index

#	Paper	IF	Citations
43	Induced construction of large-area amorphous Li ₂ O ₂ film via elemental co-doping and spatial confinement to achieve high-performance Li-O ₂ batteries. <i>Energy Storage Materials</i> , 2022 , 44, 285-295	19.4	8
42	Manipulating mechanical properties of graphene/Al composites by an in-situ synthesized hybrid reinforcement strategy. <i>Journal of Materials Science and Technology</i> , 2022 , 123, 13-25	9.1	2
41	In Situ Internal Strengthened Carbon Nanotube Carpets on Graphene for Anti-Icing Application. <i>ACS Applied Nano Materials</i> , 2021 , 4, 10952-10959	5.6	0
40	Boosting the charge transfer efficiency of metal oxides/carbon nanotubes composites through interfaces control. <i>Journal of Power Sources</i> , 2021 , 489, 229501	8.9	4
39	In-situ growth of Fe nanoparticles encapsulated by carbon onions with controllable thickness on graphene nanoribbon-reinforced graphene. <i>Carbon</i> , 2021 , 174, 423-429	10.4	0
38	W Clusters Assisted Synthesis of Layered Carbon Nanotube Arrays on Graphene Achieving High-Rate Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19117-19127	9.5	2
37	Data-driven analysis on thermal effects and temperature changes of lithium-ion battery. <i>Journal of Power Sources</i> , 2021 , 482, 228983	8.9	11
36	Bi-functional modular graphene network with high rate and cycling performance. <i>Journal of Power Sources</i> , 2021 , 504, 230075	8.9	2
35	A N, O co-doped hierarchical carbon cathode for high-performance Zn-ion hybrid supercapacitors with enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11617-11625	13	58
34	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes. <i>Journal of Materials Science</i> , 2020 , 55, 7910-7926	4.3	4
33	Covalently bonded 3D rebar graphene foam for ultrahigh-area-capacity lithium-metal anodes by in-situ loose powder metallurgy synthesis. <i>Carbon</i> , 2020 , 158, 536-544	10.4	8
32	Enhanced electrochemical hydrogen evolution performance of WS ₂ nanosheets by Te doping. <i>Journal of Catalysis</i> , 2020 , 382, 204-211	7.3	32
31	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 744-756	3	6
30	Nitrogen modification enhances the electrocatalytic overall water splitting of NiFe layered double hydroxides in alkaline media. <i>Materials Letters</i> , 2020 , 263, 127162	3.3	4
29	Predicting battery life with early cyclic data by machine learning. <i>Energy Storage</i> , 2019 , 1, e98	2.8	5
28	Three-dimensional porous carbon materials and their composites as electrodes for electrochemical energy storage systems. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2221-2245	7.8	45
27	Compression fatigue properties of open-cell aluminum foams fabricated by space-holder method. <i>International Journal of Fatigue</i> , 2019 , 121, 272-280	5	25

26	Enhanced Hydrogen Evolution Reaction Performance of NiCoP by Filling Oxygen Vacancies by Phosphorus in Thin-Coating CeO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32460-32468	9.5	26
25	Equivalent circuit model recognition of electrochemical impedance spectroscopy via machine learning. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 855, 113627	4.1	17
24	Hard-template synthesis of three-dimensional interconnected carbon networks: Rational design, hybridization and energy-related applications. <i>Nano Today</i> , 2019 , 29, 100796	17.9	26
23	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
22	In-situ synthesis of graphene nanosheets coated copper for preparing reinforced aluminum matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 709, 65-71	5.3	37
21	Ultra-Stiff Graphene Foams as Three-Dimensional Conductive Fillers for Epoxy Resin. <i>ACS Nano</i> , 2018 , 12, 11219-11228	16.7	26
20	CeO ₂ -Decorated NiFe-Layered Double Hydroxide for Efficient Alkaline Hydrogen Evolution by Oxygen Vacancy Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35145-35153	9.5	93
19	Three-Dimensional Rebar Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7376-7384	9.5	39
18	Graphene Carbon Nanotube Carpets Grown Using Binary Catalysts for High-Performance Lithium-Ion Capacitors. <i>ACS Nano</i> , 2017 , 11, 2724-2733	16.7	78
17	Lithium Batteries with Nearly Maximum Metal Storage. <i>ACS Nano</i> , 2017 , 11, 6362-6369	16.7	154
16	Three-Dimensional Printed Graphene Foams. <i>ACS Nano</i> , 2017 , 11, 6860-6867	16.7	133
15	Three-dimensional graphene anchored Fe ₂ O ₃ @C core-shell nanoparticles as supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 956-963	5.7	31
14	A three-dimensional sponge of graphene nanoribbons crosslinked by Fe ₃ O ₄ nanoparticles for Li ⁺ storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23592-23599	13	27
13	Germanium on seamless graphene carbon nanotube hybrids for lithium ion anodes. <i>Carbon</i> , 2017 , 123, 433-439	10.4	26
12	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26840-26847	9.5	63
11	Single-Atomic Ruthenium Catalytic Sites on Nitrogen-Doped Graphene for Oxygen Reduction Reaction in Acidic Medium. <i>ACS Nano</i> , 2017 , 11, 6930-6941	16.7	327
10	Electrochemical performances of graphene nanoribbons interlacing hollow NiCo oxide nanocages. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	4
9	Graphene nanoribbons wrapping double nanoshells of SnO ₂ @TiO ₂ for high lithium storage. <i>Journal of Power Sources</i> , 2016 , 336, 298-306	8.9	26

8	Rivet Graphene. <i>ACS Nano</i> , 2016 , 10, 7307-13	16.7	14
7	Preparation of Three-Dimensional Graphene Foams Using Powder Metallurgy Templates. <i>ACS Nano</i> , 2016 , 10, 1411-6	16.7	95
6	Graphene Oxide-Assisted Synthesis of Microsized Ultrathin Single-Crystalline Anatase TiO ₂ Nanosheets and Their Application in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2495-504	9.5	37
5	In situ synthesis of ultrathin 2-D TiO ₂ with high energy facets on graphene oxide for enhancing photocatalytic activity. <i>Carbon</i> , 2014 , 68, 352-359	10.4	49
4	Synthesis of novel carbon nano-chains and their application as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16268-16275	13	12
3	Effect of Sc/Zr ratio on the microstructure and mechanical properties of new type of Al ₇₀ Zn ₁₀ Mg ₁₀ Sc ₅ Zr alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 617, 219-227	5.3	56
2	A large ultrathin anatase TiO ₂ nanosheet/reduced graphene oxide composite with enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8893	13	52
1	“Three-in-One” Multi-Level Design of MoS ₂ -Based Anodes for Enhanced Sodium Storage: from Atomic to Macroscopic Level. <i>Advanced Functional Materials</i> , 2110853	15.6	7