

# Shan Wang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

29  
papers

384  
citations

12  
h-index

18  
g-index

33  
ext. papers

503  
ext. citations

4.1  
avg, IF

3.73  
L-index

#	Paper	IF	Citations
29	Solid-state cooling by elastocaloric polymer with uniform chain-lengths.. <i>Nature Communications</i> , <b>2022</b> , 13, 9	17.4	3
28	Electrochemical performances of graphene/poly-3,4-dioxyethylenethiophene aerogels as supercapacitor electrode materials. <i>Ionics</i> , <b>2021</b> , 27, 3615-3626	2.7	1
27	High-temperature resistant polyimide-based sandwich-structured dielectric nanocomposite films with enhanced energy density and efficiency. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51268	2.9	4
26	Multilayer assembly of electrospun/electrosprayed PVDF-based nanofibers and beads with enhanced piezoelectricity and high sensitivity. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124205	14.7	37
25	Synthesis and characterization of a liquid-like polythiophene and its potential applications. <i>Synthetic Metals</i> , <b>2020</b> , 270, 116603	3.6	6
24	Dielectric properties and energy-storage performance of two-dimensional molybdenum disulfide nanosheets/polyimide composite films. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47991	2.9	16
23	Enhanced breakdown strength and energy storage of PVDF-based dielectric composites by incorporating exfoliated mica nanosheets. <i>Polymer Composites</i> , <b>2019</b> , 40, 2088-2094	3	25
22	Electrically insulating ZnOs/ZnOw/silicone rubber nanocomposites with enhanced thermal conductivity and mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46454	2.9	21
21	Synthesis and Characterization of a Fluid-Like Novel Aniline Pentamer. <i>Macromolecular Research</i> , <b>2018</b> , 26, 233-237	1.9	6
20	Ordered porous structure of nitrogen-self-doped carbon supporting Co <sub>3</sub> O <sub>4</sub> nanoparticles as anode for improving cycle stability in lithium-ion batteries. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 1226-1235	2.5	9
19	Facile preparation of pristine graphene using urea/glycerol as efficient stripping agents. <i>Nano Research</i> , <b>2018</b> , 11, 820-830	10	18
18	Design, synthesis and processing of PVDF-based dielectric polymers. <i>IET Nanodielectrics</i> , <b>2018</b> , 1, 80-91	2.8	25
17	Carbon nanotube/zirconia composite-coated separator for a high-performance rechargeable lithium-sulfur battery. <i>AIP Advances</i> , <b>2018</b> , 8, 105315	1.5	5
16	Thiokol with Excellent Restriction on the Shuttle Effect in Lithium-Sulfur Batteries. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 79	2.6	2
15	Properties of gel polymer electrolytes based on poly(butyl acrylate) semi-interpenetrating polymeric networks toward Li-ion batteries. <i>Ionics</i> , <b>2017</b> , 23, 2319-2325	2.7	8
14	The Complexation between Amide Groups of Polyamide-6 and Polysulfides in the Lithium-Sulfur Battery. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1700122	3.9	12
13	Flexible Carbon Nanotube Modified Separator for High-Performance Lithium-Sulfur Batteries. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	22

12	Preparation of Microporous Polypropylene/Titanium Dioxide Composite Membranes with Enhanced Electrolyte Uptake Capability via Melt Extruding and Stretching. <i>Polymers</i> , <b>2017</b> , 9,	4.5	22
11	Self-suspended polyaniline containing self-dissolved lyotropic liquid crystal with electrical conductivity. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 3578-3582	2.5	4
10	Novel Three-Dimensional Carbon Nanotube/Graphene Architecture with Abundant Chambers and Its Application in Lithium-Silicon Batteries. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 13807-13814	3.8	20
9	An atmosphere-switching polymerization process: A novel strategy to advanced polyolefin materials. <i>AIChE Journal</i> , <b>2013</b> , 59, 4468-4473	3.6	4
8	A reactive extrusion process for the free radical grafting of silanes onto polypropylene: Effects of processing conditions and properties of water cross-linked silane-grafted polypropylene. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 1571-1581	2.3	4
7	A model for the structures of impact polypropylene copolymers produced by an atmosphere-switching polymerization process. <i>Chemical Engineering Science</i> , <b>2013</b> , 101, 686-698	4.4	11
6	Synthesis of poly(butyl acrylate)/bentonite nanocomposite nanoparticles for improving the impact strength of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 2580-2590	2.9	7
5	Preparation and electro-optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 453-459	3.2	27
4	Preparation and characterization of surface modified silicon carbide/polystyrene nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 638-644	2.9	23
3	Preparation process and properties of exfoliated graphite nanoplatelets filled Bisphthalonitrile nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 1335-1341	3.9	11
2	A dissipative particle dynamics study on the compatibilizing process of immiscible polymer blends with graft copolymers. <i>Polymer</i> , <b>2012</b> , 53, 4448-4454	3.9	18
1	Pomelo Peel-Inspired 3D-Printed Porous Structure for Efficient Absorption of Compressive Strain Energy. <i>Journal of Bionic Engineering</i> , 1	2.7	0