

# Ye Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

8,613  
citations

136740

32  
h-index

223531

46  
g-index

48  
all docs

48  
docs citations

48  
times ranked

11480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient solar vapour generation via hierarchically nanostructured gels. <i>Nature Nanotechnology</i> , 2018, 13, 489-495.	15.6	1,356
2	Nanostructured conductive polymers for advanced energy storage. <i>Chemical Society Reviews</i> , 2015, 44, 6684-6696.	18.7	719
3	Nanostructured conductive polypyrrole hydrogels as high-performance, flexible supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6086-6091.	5.2	624
4	A 3D Nanostructured Hydrogel Framework Derived High-Performance Composite Polymer Lithium-Ion Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2096-2100.	7.2	484
5	Conductive Smart-Hybrid Hydrogels with PNIPAM and Nanostructured Conductive Polymers. <i>Advanced Functional Materials</i> , 2015, 25, 1219-1225.	7.8	363
6	A Conductive Self-Healing Hybrid Gel Enabled by Metal-Ligand Supramolecule and Nanostructured Conductive Polymer. <i>Nano Letters</i> , 2015, 15, 6276-6281.	4.5	356
7	A Nanostructured Conductive Hydrogels-Based Biosensor Platform for Human Metabolite Detection. <i>Nano Letters</i> , 2015, 15, 1146-1151.	4.5	352
8	Multifunctional Nanostructured Conductive Polymer Gels: Synthesis, Properties, and Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 1734-1743.	7.6	343
9	Super Moisture-Absorbent Gels for All-Weather Atmospheric Water Harvesting. <i>Advanced Materials</i> , 2019, 31, e1806446.	11.1	281
10	In Situ Reactive Synthesis of Polypyrrole-MnO <sub>2</sub> Coaxial Nanotubes as Sulfur Hosts for High-Performance Lithium-Sulfur Battery. <i>Nano Letters</i> , 2016, 16, 7276-7281.	4.5	271
11	Material and Structural Design of Novel Binder Systems for High-Energy, High-Power Lithium-Ion Batteries. <i>Accounts of Chemical Research</i> , 2017, 50, 2642-2652.	7.6	261
12	A Conductive Molecular Framework Derived Li <sub>2</sub> S/N,P-Codoped Carbon Cathode for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602876.	10.2	258
13	Dopant-Enabled Supramolecular Approach for Controlled Synthesis of Nanostructured Conductive Polymer Hydrogels. <i>Nano Letters</i> , 2015, 15, 7736-7741.	4.5	227
14	Novel Fe <sub>2</sub> O <sub>3</sub> /CdS Corelike Nanorods with Enhanced Photocatalytic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4800-4806.	4.0	217
15	Designing Hierarchically Nanostructured Conductive Polymer Gels for Electrochemical Energy Storage and Conversion. <i>Chemistry of Materials</i> , 2016, 28, 2466-2477.	3.2	205
16	Understanding the Size-Dependent Sodium Storage Properties of Na <sub>2</sub> C <sub>6</sub> O <sub>6</sub> -Based Organic Electrodes for Sodium-Ion Batteries. <i>Nano Letters</i> , 2016, 16, 3329-3334.	4.5	184
17	Multifunctional Superhydrophobic Surfaces Templated From Innately Microstructured Hydrogel Matrix. <i>Nano Letters</i> , 2014, 14, 4803-4809.	4.5	183
18	A Tunable 3D Nanostructured Conductive Gel Framework Electrode for High-Performance Lithium Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1603922.	11.1	175

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19	Nanostructured conducting polymer hydrogels for energy storage applications. <i>Nanoscale</i> , 2015, 7, 12796-12806.	2.8	160
20	All-day fresh water harvesting by microstructured hydrogel membranes. <i>Nature Communications</i> , 2021, 12, 2797.	5.8	159
21	Rational design and applications of conducting polymer hydrogels as electrochemical biosensors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2920-2930.	2.9	146
22	Energy gels: A bio-inspired material platform for advanced energy applications. <i>Nano Today</i> , 2016, 11, 738-762.	6.2	144
23	Thermally Responsive Hydrogel Blends: A General Drug Carrier Model for Controlled Drug Release. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7376-7380.	7.2	141
24	An All-Stretchable Component Sodium-Ion Full Battery. <i>Advanced Materials</i> , 2017, 29, 1700898.	11.1	141
25	Nanostructured Conductive Polymer Gels as a General Framework Material To Improve Electrochemical Performance of Cathode Materials in Li-Ion Batteries. <i>Nano Letters</i> , 2017, 17, 1906-1914.	4.5	131
26	Silver Nanowire-Bacterial Cellulose Composite Fiber-Based Sensor for Highly Sensitive Detection of Pressure and Proximity. <i>ACS Nano</i> , 2020, 14, 15428-15439.	7.3	130
27	Thermoplastic Elastomer-Enabled Smart Electrolyte for Thermoresponsive Self-Protection of Electrochemical Energy Storage Devices. <i>Advanced Materials</i> , 2016, 28, 7921-7928.	11.1	112
28	A processable, high-performance dielectric elastomer and multilayering process. <i>Science</i> , 2022, 377, 228-232.	6.0	78
29	Functionalizing Single Crystals: Incorporation of Nanoparticles Inside Gel-Grown Calcite Crystals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4127-4131.	7.2	69
30	High efficiency hybrid solar cells using post-deposition ligand exchange by monothiols. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12094.	1.3	42
31	A unimorph nanocomposite dielectric elastomer for large out-of-plane actuation. <i>Science Advances</i> , 2022, 8, eabm6200.	4.7	40
32	Stable and High-Strain Dielectric Elastomer Actuators Based on a Carbon Nanotube-Polymer Bilayer Electrode. <i>Advanced Functional Materials</i> , 2021, 31, 2008321.	7.8	35
33	A 3D Nanostructured Hydrogel-Framework-Derived High-Performance Composite Polymer Lithium-Ion Electrolyte. <i>Angewandte Chemie</i> , 2018, 130, 2118-2122.	1.6	34
34	Texture design of electrodes for efficiency enhancement of organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2379.	5.2	26
35	A green, low-cost, and highly effective strategy to enhance the performance of hybrid solar cells: Post-deposition ligand exchange by acetic acid. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 329-335.	3.0	21
36	Fe <sub>3</sub> O <sub>4</sub> nanobelts: one-pot and template-free synthesis, magnetic property, and application for lithium storage. <i>Nanotechnology</i> , 2012, 23, 395601.	1.3	18

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37	Optical and electrical effects of plasmonic nanoparticles in high-efficiency hybrid solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17105-17111.	1.3	17
38	Microwave-responsive polymeric core-shell microcarriers for high-efficiency controlled drug release. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3541-3549.	2.9	16
39	Synthesis of monodisperse and single-crystal Fe <sub>3</sub> O <sub>4</sub> hollow spheres by a solvothermal approach. <i>Materials Chemistry and Physics</i> , 2012, 132, 987-992.	2.0	13
40	Smart Electrolytes: Thermoplastic Elastomer-Enabled Smart Electrolyte for Thermoresponsive Self-Protection of Electrochemical Energy Storage Devices ( <i>Adv. Mater.</i> 36/2016). <i>Advanced Materials</i> , 2016, 28, 7810-7810.	11.1	4
41	Conductive Polymers: A Tunable 3D Nanostructured Conductive Gel Framework Electrode for High-Performance Lithium Ion Batteries ( <i>Adv. Mater.</i> 22/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
42	Titelbild: A 3D Nanostructured Hydrogel-Derived High-Performance Composite Polymer Lithium-Ion Electrolyte ( <i>Angew. Chem.</i> 8/2018). <i>Angewandte Chemie</i> , 2018, 130, 2025-2025.	1.6	1
43	Self-assembly and organization of nanowires. , 2015, , 149-171.		0