

Shaobo Han

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5987550/publications.pdf>

Version: 2024-02-01

22
papers

4,268
citations

361413

20
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

5420
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-metallic polymers. <i>Nature Materials</i> , 2014, 13, 190-194.	27.5	722
2	Towards polymer-based organic thermoelectric generators. <i>Energy and Environmental Science</i> , 2012, 5, 9345.	30.8	684
3	Thermoelectric materials and applications for energy harvesting power generation. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 836-862.	6.1	413
4	Understanding the Capacitance of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2017, 27, 1700329.	14.9	275
5	A Water-Gate Organic Field-Effect Transistor. <i>Advanced Materials</i> , 2010, 22, 2565-2569.	21.0	265
6	Wearable Thermoelectric Materials and Devices for Self-Powered Electronic Systems. <i>Advanced Materials</i> , 2021, 33, e2102990.	21.0	221
7	Effect of (3-glycidyloxypropyl)trimethoxysilane (GOPS) on the electrical properties of PEDOT:PSS films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 814-820.	2.1	190
8	An Organic Mixed Ion-Electron Conductor for Power Electronics. <i>Advanced Science</i> , 2016, 3, 1500305.	11.2	188
9	Unconventional Thermoelectric Materials for Energy Harvesting and Sensing Applications. <i>Chemical Reviews</i> , 2021, 121, 12465-12547.	47.7	186
10	Insulator Polarization Mechanisms in Polyelectrolyte-Gated Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2009, 19, 3334-3341.	14.9	181
11	Thermoelectric Polymers and their Elastic Aerogels. <i>Advanced Materials</i> , 2016, 28, 4556-4562.	21.0	157
12	Thermoelectric Polymer Aerogels for Pressure-Temperature Sensing Applications. <i>Advanced Functional Materials</i> , 2017, 27, 1703549.	14.9	133
13	Ion Electron-Coupled Functionality in Materials and Devices Based on Conjugated Polymers. <i>Advanced Materials</i> , 2019, 31, e1805813.	21.0	118
14	A Multiparameter Pressure-Temperature-Humidity Sensor Based on Mixed Ionic-Electronic Cellulose Aerogels. <i>Advanced Science</i> , 2019, 6, 1802128.	11.2	114
15	Poly(3,4-ethylenedioxythiophene): Chemical Synthesis, Transport Properties, and Thermoelectric Devices. <i>Advanced Electronic Materials</i> , 2019, 5, 1800918.	5.1	93
16	Effect of the Ionic Conductivity on the Performance of Polyelectrolyte-Based Supercapacitors. <i>Advanced Functional Materials</i> , 2010, 20, 4344-4350.	14.9	83
17	Cellulose-Conducting Polymer Aerogels for Efficient Solar Steam Generation. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000004.	5.3	74
18	Controlling the Dimensionality of Charge Transport in an Organic Electrochemical Transistor by Capacitive Coupling. <i>Advanced Materials</i> , 2011, 23, 4764-4769.	21.0	52

#	ARTICLE	IF	CITATIONS
19	Asymmetric Aqueous Supercapacitor Based on p- and n-Type Conducting Polymers. ACS Applied Energy Materials, 2019, 2, 5350-5355.	5.1	44
20	Nanofibrillated Cellulose-Based Electrolyte and Electrode for Paper-Based Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700121.	5.3	38
21	Insulating polymers for flexible thermoelectric composites: A multi-perspective review. Composites Communications, 2021, 28, 100914.	6.3	20
22	Effect of Sulfonation Level on Lignin/Carbon Composite Electrodes for Large-Scale Organic Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 17933-17944.	6.7	15