Dan Zhao

List of Publications by Year
in descending order

34 papers	2,359 citations	331670 21 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	2906 citing authors

#	Article	IF	Citations
1	Ionic thermoelectric supercapacitors. Energy and Environmental Science, 2016, 9, 1450-1457.	30.8	312
2	Understanding the Capacitance of PEDOT:PSS. Advanced Functional Materials, 2017, 27, 1700329.	14.9	275
3	Graphene as a conductive additive to enhance the high-rate capabilities of electrospun Li4Ti5O12 for lithium-ion batteries. Electrochimica Acta, 2010, 55, 5813-5818.	5.2	234
4	An Organic Mixed Ionâ€“Electron Conductor for Power Electronics. Advanced Science, 2016, 3, 1500305.	11.2	188
5	Unconventional Thermoelectric Materials for Energy Harvesting and Sensing Applications. Chemical Reviews, 2021, 121, 12465-12547.	47.7	186
6	Polymer gels with tunable ionic Seebeck coefficient for ultra-sensitive printed thermopiles. Nature Communications, 2019, 10, 1093.	12.8	174
7	Ionic Thermoelectric Figure of Merit for Charging of Supercapacitors. Advanced Electronic Materials, 2017, 3, 1700013.	5.1	146
8	Ionic thermoelectric gating organic transistors. Nature Communications, 2017, 8, 14214.	12.8	99
9	Ionic thermoelectric paper. Journal of Materials Chemistry A, 2017, 5, 16883-16888.	10.3	79
10	Quenching of the Electrochemiluminescence of Tris(2,2â€²-bipyridine)ruthenium(II)/Tri-n-propylamine by Pristine Carbon Nanotube and Its Application to Quantitative Detection of DNA. Analytical Chemistry, 2013, 85, 1711-1718.	6.5	77
11	Ionic thermoelectric materials and devices. Journal of Energy Chemistry, 2021, 61, 88-103.	12.9	61
12	Freestanding electrochromic paper. Journal of Materials Chemistry C, 2016, 4, 9680-9686.	5.5	53
13	Patterning of Electrostatic Charge on Electrets Using Hot Microcontact Printing. Angewandte Chemie - International Edition, 2009, 48, 6699-6703.	13.8	46
14	Selective Discharge of Electrostatic Charges on Electrets Using a Patterned Hydrogel Stamp. Angewandte Chemie - International Edition, 2010, 49, 5537-5540.	13.8	44
15	Reflective and transparent cellulose-based passive radiative coolers. Cellulose, 2021, 28, 9383-9393.	4.9	42
16	Thermoplasmonic Semitransparent Nanohole Electrodes. Nano Letters, 2017, 17, 3145-3151.	9.1	40
17	Nanofibrillated Celluloseâ€Based Electrolyte and Electrode for Paperâ€Based Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700121.	5.3	38
18	A Biomimetic Evolvable Organic Electrochemical Transistor. Advanced Electronic Materials, 2021, 7, 2001126.	5.1	26

#	Article	IF	Citations
19	Facile Fabrication of Metallic Nanostructures by Tunable Cracking and Transfer Printing. Angewandte Chemie - International Edition, 2011, 50, 12478-12482.	13.8	25
20	The role of absorbed water in ionic liquid cellulosic electrolytes for ionic thermoelectrics. Journal of Materials Chemistry C, 2022, 10, 2732-2741.	5.5	24
21	The self-assembly and patterning of thin polymer films on pyroelectric substrates driven by electrohydrodynamic instability. Soft Matter, 2012, 8, 298-302.	2.7	22
22	Selfâ€Organization of Thin Polymer Films Guided by Electrostatic Charges on the Substrate. Small, 2011, 7, 2326-2333.	10.0	21
23	The Interfacial Effect on the Open Circuit Voltage of Ionic Thermoelectric Devices with Conducting Polymer Electrodes. Advanced Electronic Materials, 2021, 7, 2100506.	5.1	20
24	Conducting Polymer Electrocatalysts for Protonâ€Coupled Electron Transfer Reactions: Toward Organic Fuel Cells with Forest Fuels. Advanced Sustainable Systems, 2018, 2, 1800021.	5.3	18
25	Cool Microcontact Printing To Fabricate Thermosensitive Microgel Patterns. Langmuir, 2013, 29, 11809-11814.	3.5	16
26	Ultrasensitive electrolyte-assisted temperature sensor. Npj Flexible Electronics, 2020, 4, .	10.7	15
27	Thermodiffusionâ€Assisted Pyroelectricsâ€"Enabling Rapid and Stable Heat and Radiation Sensing. Advanced Functional Materials, 2019, 29, 1900572.	14.9	14
28	AFM Force Mapping for Characterizing Patterns of Electrostatic Charges on SiO2 Electrets. Langmuir, 2010, 26, 11958-11962.	3.5	11
29	The understanding of the memory nature and mechanism of the Ta2O5-gate-dielectric-based organic phototransistor memory. Organic Electronics, 2012, 13, 2917-2923.	2.6	9
30	Enhanced ionic transport in ferroelectric polymer fiber mats. Journal of Materials Chemistry A, 2021, 9, 22418-22427.	10.3	8
31	Charge-induced local dewetting on polymer electrets studied by atomic force microscopy. Soft Matter, 2013, 9, 9702.	2.7	6
32	Sensitive and reusable electrochemiluminescent aptasensor achieved with diblock oligonucleotides immobilized solely through preferential adenineâ€"Au interaction. Analyst, The, 2013, 138, 5706.	3.5	5
33	Heat Sensing: Thermodiffusionâ€Assisted Pyroelectricsâ€"Enabling Rapid and Stable Heat and Radiation Sensing (Adv. Funct. Mater. 28/2019). Advanced Functional Materials, 2019, 29, 1970194.	14.9	1
34	An ionic thermoelectric ratchet effect in polymeric electrolytes. Journal of Materials Chemistry C, 0, , .	5.5	1