

# Dan Zhao

## List of Publications by Year in descending order

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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	The role of absorbed water in ionic liquid cellulosic electrolytes for ionic thermoelectrics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2732-2741.	5.5	24
2	Enhanced ionic transport in ferroelectric polymer fiber mats. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22418-22427.	10.3	8
3	A Biomimetic Evolvable Organic Electrochemical Transistor. <i>Advanced Electronic Materials</i> , 2021, 7, 2001126.	5.1	26
4	Unconventional Thermoelectric Materials for Energy Harvesting and Sensing Applications. <i>Chemical Reviews</i> , 2021, 121, 12465-12547.	47.7	186
5	Reflective and transparent cellulose-based passive radiative coolers. <i>Cellulose</i> , 2021, 28, 9383-9393.	4.9	42
6	The Interfacial Effect on the Open Circuit Voltage of Ionic Thermoelectric Devices with Conducting Polymer Electrodes. <i>Advanced Electronic Materials</i> , 2021, 7, 2100506.	5.1	20
7	Ionic thermoelectric materials and devices. <i>Journal of Energy Chemistry</i> , 2021, 61, 88-103.	12.9	61
8	Ultrasensitive electrolyte-assisted temperature sensor. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	15
9	Heat Sensing: Thermodiffusion-Assisted Pyroelectrics-Enabling Rapid and Stable Heat and Radiation Sensing ( <i>Adv. Funct. Mater.</i> 28/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970194.	14.9	1
10	Polymer gels with tunable ionic Seebeck coefficient for ultra-sensitive printed thermopiles. <i>Nature Communications</i> , 2019, 10, 1093.	12.8	174
11	Thermodiffusion-Assisted Pyroelectrics-Enabling Rapid and Stable Heat and Radiation Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1900572.	14.9	14
12	Nanofibrillated Cellulose-Based Electrolyte and Electrode for Paper-Based Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700121.	5.3	38
13	Conducting Polymer Electrocatalysts for Proton-Coupled Electron Transfer Reactions: Toward Organic Fuel Cells with Forest Fuels. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800021.	5.3	18
14	Ionic thermoelectric gating organic transistors. <i>Nature Communications</i> , 2017, 8, 14214.	12.8	99
15	Ionic Thermoelectric Figure of Merit for Charging of Supercapacitors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700013.	5.1	146
16	Understanding the Capacitance of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2017, 27, 1700329.	14.9	275
17	Thermoplasmonic Semitransparent Nanohole Electrodes. <i>Nano Letters</i> , 2017, 17, 3145-3151.	9.1	40
18	Ionic thermoelectric paper. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16883-16888.	10.3	79

#	ARTICLE	IF	CITATIONS
19	Freestanding electrochromic paper. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9680-9686.	5.5	53
20	An Organic Mixed Ion-Electron Conductor for Power Electronics. <i>Advanced Science</i> , 2016, 3, 1500305.	11.2	188
21	Ionic thermoelectric supercapacitors. <i>Energy and Environmental Science</i> , 2016, 9, 1450-1457.	30.8	312
22	Quenching of the Electrochemiluminescence of Tris(2,2'-bipyridine)ruthenium(II)/Tri-n-propylamine by Pristine Carbon Nanotube and Its Application to Quantitative Detection of DNA. <i>Analytical Chemistry</i> , 2013, 85, 1711-1718.	6.5	77
23	Charge-induced local dewetting on polymer electrets studied by atomic force microscopy. <i>Soft Matter</i> , 2013, 9, 9702.	2.7	6
24	Sensitive and reusable electrochemiluminescent aptasensor achieved with diblock oligonucleotides immobilized solely through preferential adenine-Au interaction. <i>Analyst</i> , 2013, 138, 5706.	3.5	5
25	Cool Microcontact Printing To Fabricate Thermosensitive Microgel Patterns. <i>Langmuir</i> , 2013, 29, 11809-11814.	3.5	16
26	The self-assembly and patterning of thin polymer films on pyroelectric substrates driven by electrohydrodynamic instability. <i>Soft Matter</i> , 2012, 8, 298-302.	2.7	22
27	The understanding of the memory nature and mechanism of the Ta <sub>2</sub> O <sub>5</sub> -gate-dielectric-based organic phototransistor memory. <i>Organic Electronics</i> , 2012, 13, 2917-2923.	2.6	9
28	Self-Organization of Thin Polymer Films Guided by Electrostatic Charges on the Substrate. <i>Small</i> , 2011, 7, 2326-2333.	10.0	21
29	Facile Fabrication of Metallic Nanostructures by Tunable Cracking and Transfer Printing. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12478-12482.	13.8	25
30	Selective Discharge of Electrostatic Charges on Electrets Using a Patterned Hydrogel Stamp. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5537-5540.	13.8	44
31	Graphene as a conductive additive to enhance the high-rate capabilities of electrospun Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> for lithium-ion batteries. <i>Electrochimica Acta</i> , 2010, 55, 5813-5818.	5.2	234
32	AFM Force Mapping for Characterizing Patterns of Electrostatic Charges on SiO <sub>2</sub> Electrets. <i>Langmuir</i> , 2010, 26, 11958-11962.	3.5	11
33	Patterning of Electrostatic Charge on Electrets Using Hot Microcontact Printing. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6699-6703.	13.8	46
34	An ionic thermoelectric ratchet effect in polymeric electrolytes. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	1