

# Ye Zou

## List of Publications by Year in descending order

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72  
papers

3,523  
citations

172457

29  
h-index

138484

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75  
docs citations

75  
times ranked

4425  
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-dimensional $\pi$ -conjugated coordination polymer with extremely high electrical conductivity and ambipolar transport behaviour. <i>Nature Communications</i> , 2015, 6, 7408.	12.8	609
2	Toward High Performance <i>n</i> -Type Thermoelectric Materials by Rational Modification of BDPVV Backbones. <i>Journal of the American Chemical Society</i> , 2015, 137, 6979-6982.	13.7	345
3	Conjugated-Backbone Effect of Organic Small Molecules for <i>n</i> -Type Thermoelectric Materials with ZT over 0.2. <i>Journal of the American Chemical Society</i> , 2017, 139, 13013-13023.	13.7	215
4	Chemical doping of organic semiconductors for thermoelectric applications. <i>Chemical Society Reviews</i> , 2020, 49, 7210-7228.	38.1	189
5	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5708-5713.	13.8	137
6	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance <i>p</i> -Type Organic Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18994-18999.	13.8	136
7	Deepening Insights of Charge Transfer and Photophysics in a Novel Donor-Acceptor Cocrystal for Waveguide Couplers and Photonic Logic Computation. <i>Advanced Materials</i> , 2016, 28, 5954-5962.	21.0	105
8	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over $6 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018, 30, 1704843.	21.0	97
9	Highly Conducting Neutral Coordination Polymer with Infinite Two-Dimensional Silver-Sulfur Networks. <i>Journal of the American Chemical Society</i> , 2018, 140, 15153-15156.	13.7	97
10	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to- $\alpha$ Memory Operations. <i>Advanced Materials</i> , 2017, 29, 1701772.	21.0	95
11	Surface Polarity and Self-Structured Nanogrooves Collaboratively Oriented Molecular Packing for High Crystallinity toward Efficient Charge Transport. <i>Journal of the American Chemical Society</i> , 2017, 139, 2734-2740.	13.7	79
12	Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable <i>n</i> -Doped Conductor. <i>Chem</i> , 2019, 5, 964-976.	11.7	79
13	Efficient Solution-Processed <i>n</i> -Type Small-Molecule Thermoelectric Materials Achieved by Precisely Regulating Energy Level of Organic Dopants. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28795-28801.	8.0	78
14	Bismuth Interfacial Doping of Organic Small Molecules for High Performance <i>n</i> -Type Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10672-10675.	13.8	77
15	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. <i>Nature Communications</i> , 2018, 9, 2339.	12.8	76
16	Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, 1705286.	21.0	70
17	Solution-sheared ultrathin films for highly-sensitive ammonia detection using organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1264.	5.5	60
18	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9403-9407.	13.8	56

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19	Molecular antenna tailored organic thin-film transistors for sensing application. <i>Materials Horizons</i> , 2018, 5, 240-247.	12.2	48
20	Two-dimensional covalent organic framework films prepared on various substrates through vapor induced conversion. <i>Nature Communications</i> , 2022, 13, 1411.	12.8	44
21	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015, 6, 7478.	12.8	43
22	Synthetic Route to a Triphenylenehexaselenol-Based Metal Organic Framework with Semi-conductive and Glassy Magnetic Properties. <i>IScience</i> , 2020, 23, 100812.	4.1	39
23	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie</i> , 2018, 130, 5810-5815.	2.0	38
24	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018, 12, 12657-12664.	14.6	34
25	Facile and cost-effective liver cancer diagnosis by water-gated organic field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112251.	10.1	33
26	The Role of Weak Molecular Dopants in Enhancing the Performance of Solution-Processed Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800547.	5.1	32
27	High-Performance UV-Sensitive Organic Phototransistors Based on Benzo[1,2- <i>b</i> :4,5- <i>b'</i> ]dithiophene Dimers Linked with Unsaturated Bonds. <i>Advanced Electronic Materials</i> , 2015, 1, 1500071.	5.1	31
28	Substrate effect on the interfacial electronic structure of thermally-evaporated CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite layer. <i>Organic Electronics</i> , 2017, 41, 307-314.	2.6	31
29	Enhanced Thermoelectric Performance of n-Type Organic Semiconductor via Electric Field Modulated Photo-Thermoelectric Effect. <i>Advanced Materials</i> , 2020, 32, e2000273.	21.0	31
30	A Novel Solution-Processable n-Dopant Based on 1,4-Dihydropyridine Motif for High Electrical Conductivity of Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700164.	5.1	30
31	Nanorods of a novel highly conductive 2D metal-organic framework based on perthiolated coronene for thermoelectric conversion. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8199-8205.	5.5	30
32	Electronic structure engineering in organic thermoelectric materials. <i>Journal of Energy Chemistry</i> , 2021, 62, 204-219.	12.9	30
33	Insights into the Control of Optoelectronic Properties in Mixed-Stacking Charge-Transfer Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 3578-3585.	3.3	29
34	Pyridyl-substituted anthracene derivatives with solid-state emission and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3621-3627.	5.5	28
35	Highly Conducting Organic-Inorganic Hybrid Copper Sulfides Cu <sub>x</sub> C <sub>6</sub> S <sub>6</sub> (x=4 or 5.5): Ligand-Based Oxidation-Induced Chemical and Electronic Structure Modulation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22602-22609.	13.8	26
36	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing $\pi$ -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7230-7240.	5.5	25

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37	Correlation between Seebeck coefficient and transport energy level in poly(3-hexylthiophene). <i>Organic Electronics</i> , 2018, 56, 125-128.	2.6	23
38	Sub-10 nm Ag Nanoparticles/Graphene Oxide: Controllable Synthesis, Size-Dependent and Extremely Ultrahigh Catalytic Activity. <i>Small</i> , 2019, 15, e1901701.	10.0	22
39	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie</i> , 2019, 131, 19170-19175.	2.0	18
40	Unveiling the Switching Riddle of Silver Tetracyanoquinodimethane Towards Novel Planar Single-Crystalline Electrochemical Metallization Memories. <i>Advanced Materials</i> , 2016, 28, 7094-7100.	21.0	17
41	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 17526-17534.	13.7	17
42	Impact of MoO <sub>3</sub> interlayer on the energy level alignment of pentacene-C <sub>60</sub> heterostructure. <i>Journal of Chemical Physics</i> , 2016, 144, 084706.	3.0	16
43	PPN (poly-peri-naphthalene) film as a narrow-bandgap organic thermoelectric material. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9891-9896.	10.3	14
44	Optimization of the thermoelectric performance of layer-by-layer structured copper-phthalocyanine (CuPc) thin films doped with hexacyano-trimethylene-cyclopropane (CN <sub>6</sub> -CP). <i>RSC Advances</i> , 2019, 9, 31840-31845.	3.6	13
45	Doped thieno[3,4- <i>b</i> ]thiophene-based copolymers for p-type organic thermoelectric materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4158-4163.	5.5	13
46	Ambipolar charge transport in an organic/inorganic van der Waals <i>n</i> heterojunction. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12976-12980.	5.5	12
47	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020, 30, 1907153.	14.9	12
48	Backbone Structure Effect on the Thermoelectric Properties of IDT-Based p-Type Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, 1900322.	3.9	12
49	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> , 2022, 15, 2667-2673.	10.4	12
50	Bismuth Interfacial Doping of Organic Small Molecules for High Performance n-Type Thermoelectric Materials. <i>Angewandte Chemie</i> , 2016, 128, 10830-10833.	2.0	10
51	Unveiling the role of Fe <sub>3</sub> O <sub>4</sub> in polymer spin valve near Verwey transition. <i>Nano Research</i> , 2021, 14, 304-310.	10.4	10
52	Facile synthesis, precise species control and chemical transformation of highly conducting organic metal chalcogenides Cu <sub>x</sub> BHT (BHT = benzenehexathiol; <i>x</i> = 3, 4, and 5.5). <i>Journal of Materials Chemistry C</i> , 2022, 10, 2711-2717.	5.5	10
53	An Oligonucleotide-Distortion-Responsive Organic Transistor for Platinum-Drug-Induced DNA-Damage Detection. <i>Advanced Materials</i> , 2021, 33, e2100489.	21.0	10
54	Soft-Etching Copper and Silver Electrodes for Significant Device Performance Improvement toward Facile, Cost-Effective, Bottom-Contacted, Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7919-7927.	8.0	9

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55	Photosensors: A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations (Adv. Mater. 32/2017). Advanced Materials, 2017, 29, .	21.0	8
56	Functionalization of Low-κ Polyimide Gate Dielectrics with Self-Assembly Monolayer Toward High-Performance Organic Field-Effect Transistors and Circuits. Advanced Materials Interfaces, 2021, 8, 2100217.	3.7	8
57	Fluorinated Dielectrics-Modulated Organic Phototransistors and Flexible Image Sensors. Advanced Optical Materials, 2022, 10, .	7.3	7
58	Deposition rate related DPA OFET threshold voltage shift and hysteresis variation. Journal of Materials Chemistry C, 2018, 6, 12498-12502.	5.5	6
59	Cu-Thienoquinone Charge-Transfer Complex: Synthesis, Characterization, and Application in Organic Transistors. ACS Applied Materials & Interfaces, 2018, 10, 26451-26455.	8.0	6
60	Surface charge transfer doping of graphene using a strong molecular dopant CN6-CP. Chinese Chemical Letters, 2023, 34, 107239.	9.0	6
61	Enhanced thermoelectric performance of pentacene via surface charge transfer doping in a sandwich structure. Applied Physics Letters, 2021, 118, 253302.	3.3	5
62	Hierarchical Heterojunction Enhanced Photodoping of Polymeric Semiconductor for Photodetection and Photothermoelectric Applications. , 2022, 4, 815-822.		5
63	Engineering the Doping Efficiency in Pentacene Thin Films for High Thermoelectric Performance. ACS Applied Materials & Interfaces, 2020, 12, 29540-29548.	8.0	4
64	Monolayer single crystal two-dimensional quantum dots via ultrathin cutting and exfoliating. Science China Materials, 2020, 63, 1046-1053.	6.3	3
65	Highly Conductive Organic-Inorganic Hybrid Silver Sulfide with 3D Silver-Sulfur Networks Constructed from Benzenehexathiol: Structural Topology Regulation via Ligand Oxidation. Inorganic Chemistry, 2022, 61, 5060-5066.	4.0	3
66	Highly Conducting Organic-Inorganic Hybrid Copper Sulfides Cu <sub>x</sub> C <sub>6</sub> S <sub>6</sub> (x=4 or 5.5): Ligand-Based Oxidation-Induced Chemical and Electronic Structure Modulation. Angewandte Chemie, 2020, 132, 22791-22798.	2.0	2
67	A dithieno[3,2-a:3',2'-b][5,6,11,12]chrysene diimide based polymer as an electron transport layer for efficient inverted perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 2703-2710.	5.5	2
68	Achieve Better Performance of Inverted Perovskite Solar Cells by Using the Fluorinated Polymer as the Electron Transporting Layer. ACS Applied Energy Materials, 0, , .	5.1	2
69	Highly Crystalline Ag-based Coordination Polymers for Efficient Photocatalytic Oxidation of Sulfides. Chemistry - an Asian Journal, 2022, , e202200031.	3.3	2
70	Titelbild: Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials (Angew. Chem. 52/2019). Angewandte Chemie, 2019, 131, 18893-18893.	2.0	1
71	Polymer Field-Effect Transistors: Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors (Adv. Mater.) Tj ETQq1 1 0.784014 rgBT /Overl	2.4	0
72	Two highly crystalline coordination polymers with two-dimensional PbS networks for photocatalytic synthesis of imines. Catalysis Science and Technology, 0, , .	4.1	0