

Xingxing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,360
citations

471509

17
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuel powered glucose detection in bodily fluids with an n-type conjugated polymer. <i>Nature Materials</i> , 2020, 19, 456-463.	27.5	187
2	Replacing Alkyl with Oligo(ethylene glycol) as Side Chains of Conjugated Polymers for Close π - π Stacking. <i>Macromolecules</i> , 2015, 48, 4357-4363.	4.8	155
3	Balancing Ionic and Electronic Conduction for High-Performance Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 1907657.	14.9	131
4	Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10376-10380.	13.8	120
5	n-Type Rigid Semiconducting Polymers Bearing Oligo(Ethylene Glycol) Side Chains for High-Performance Organic Electrochemical Transistors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9368-9373.	13.8	84
6	Water stable molecular n-doping produces organic electrochemical transistors with high transconductance and record stability. <i>Nature Communications</i> , 2020, 11, 3004.	12.8	82
7	Mixed Conduction in an n-Type Organic Semiconductor in the Absence of Hydrophilic Side Chains. <i>Advanced Functional Materials</i> , 2021, 31, 2010165.	14.9	71
8	Enhanced efficacy of photothermal therapy by combining a semiconducting polymer with an inhibitor of a heat shock protein. <i>Materials Chemistry Frontiers</i> , 2019, 3, 127-136.	5.9	68
9	Synthetic Nuances to Maximize n-Type Organic Electrochemical Transistor and Thermoelectric Performance in Fused Lactam Polymers. <i>Journal of the American Chemical Society</i> , 2022, 144, 4642-4656.	13.7	63
10	Reversible Electrochemical Charging of n-Type Conjugated Polymer Electrodes in Aqueous Electrolytes. <i>Journal of the American Chemical Society</i> , 2021, 143, 14795-14805.	13.7	62
11	Solvent Engineering for High-Performance n-Type Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900249.	5.1	59
12	On the Role of Contact Resistance and Electrode Modification in Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2019, 31, e1902291.	21.0	52
13	Engineering Versatile Nanoparticles for Near-Infrared Light-Tunable Drug Release and Photothermal Degradation of Amyloid β . <i>Advanced Functional Materials</i> , 2020, 30, 1908473.	14.9	38
14	Microfluidics integrated n-type organic electrochemical transistor for metabolite sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129251.	7.8	35
15	The effect of aromatic ring size in electron deficient semiconducting polymers for n-type organic thermoelectrics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15150-15157.	5.5	28
16	A polymer electron donor based on isoindigo units bearing branched oligo(ethylene glycol) side chains for polymer solar cells. <i>Polymer Chemistry</i> , 2017, 8, 5496-5503.	3.9	26
17	Lactone Backbone Density in Rigid Electron-Deficient Semiconducting Polymers Enabling High n-Type Organic Thermoelectric Performance. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	26
18	Redox-Active Polymers Designed for the Circular Economy of Energy Storage Devices. <i>ACS Energy Letters</i> , 2021, 6, 3450-3457.	17.4	18

#	ARTICLE	IF	CITATIONS
19	Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. <i>Angewandte Chemie</i> , 2016, 128, 10532-10536.	2.0	17
20	n-type Rigid Semiconducting Polymers Bearing Oligo(Ethylene Glycol) Side Chains for High-Performance Organic Electrochemical Transistors. <i>Angewandte Chemie</i> , 2021, 133, 9454-9459.	2.0	17
21	Operation Mechanism of n-type Organic Electronic Metabolite Sensors. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	12
22	Lactone Backbone Density in Rigid Electron-Deficient Semiconducting Polymers Enabling High n-type Organic Thermoelectric Performance. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	8
23	Titelbild: Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices (<i>Angew. Chem.</i> 35/2016). <i>Angewandte Chemie</i> , 2016, 128, 10307-10307.	2.0	0
24	Lactone Maximization in Rigid Electron-Deficient Semiconducting Polymers Enabling High n-type Organic Thermoelectric Performance. , 0, , .		0
25	Operation mechanism of n-type organic electronic metabolite sensors. , 0, , .		0