Hui Li

List of Publications by Year
in descending order

22 papers	843 citations	759233 12 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	1314 citing authors

#	Article	IF	Citations
1	Recent progress in design of conductive polymers to improve the thermoelectric performance. Chinese Physics B, 2022, 31, 028203.	1.4	1
2	Singleâ€Solution Doping Enabling Dominant Integer Charge Transfer for Synergistically Improved Carrier Concentration and Mobility in Donorâ€“Acceptor Polymers. Advanced Functional Materials, 2022, 32, .	14.9	12
3	Influence of Solvent-Dependent Morphology on Molecular Doping and Charge Transport in Conductive Thiophene Polymer. Materials, 2022, 15, 3293.	2.9	1
4	Anion-Dependent Molecular Doping and Charge Transport in Ferric Salt-Doped P3HT for Thermoelectric Application. ACS Applied Electronic Materials, 2021, 3, 1252-1259.	4.3	22
5	Synergistically Optimized Electrical and Thermal Transport Properties in Copper Phthalocyanine-Based Organic Small Molecule with Nanoscale Phase Separations. ACS Applied Materials & Interfaces, 2021, 13, 15064-15072.	8.0	5
6	Enhanced thermoelectric performance of phthalocyanine complexes/single-walled carbon nanotube hybrids by tuning the types of metal coordination ions. Composites Communications, 2021, 27, 100891.	6.3	1
7	Significantly Enhanced Thermoelectric Properties of Copper Phthalocyanine/Single-Walled Carbon Nanotube Hybrids by Iodine Doping. ACS Applied Materials & Interfaces, 2021, 13, 55156-55163.	8.0	5
8	Preparation and Thermoelectric Properties of Semiconducting Single-Walled Carbon Nanotubes/Regioregular Poly(3-dodecylthiophene) Composite Films. Polymers, 2020, 12, 2720.	4.5	3
9	Synergistically Improved Molecular Doping and Carrier Mobility by Copolymerization of Donorâ€“Acceptor and Donorâ€“Donor Building Blocks for Thermoelectric Application. Advanced Functional Materials, 2020, 30, 2004378.	14.9	51
10	Contributions to composite conductivity and Seebeck coefficient in commercial Bi2Te3â€”Conjugated polymer composites. Journal of Applied Physics, 2019, 125, .	2.5	3
11	Dopantâ€Dependent Increase in Seebeck Coefficient and Electrical Conductivity in Blended Polymers with Offset Carrier Energies. Advanced Electronic Materials, 2019, 5, 1800618.	5.1	34
12	Analytical Platform To Characterize Dopant Solution Concentrations, Charge Carrier Densities in Films and Interfaces, and Physical Diffusion in Polymers Utilizing Remote Field-Effect Transistors. Journal of the American Chemical Society, 2019, 141, 4861-4869.	13.7	16
13	A Humid-Air-Operable, NO₂-Responsive Polymer Transistor Series Circuit with Improved Signal-to-Drift Ratio Based on Polymer Semiconductor Oxidation. ACS Sensors, 2019, 4, 3240-3247.	7.8	22
14	Enhanced Molecular Doping for High Conductivity in Polymers with Volume Freed for Dopants. Macromolecules, 2019, 52, 9804-9812.	4.8	37
15	Chemical and Biomolecule Sensing with Organic Field-Effect Transistors. Chemical Reviews, 2019, 119, 3-35.	47.7	317
16	Material and circuit design for organic electronic vapor sensors and biosensors. , 2019, , .		1
17	Electronic Cortisol Detection Using an Antibody-Embedded Polymer Coupled to a Field-Effect Transistor. ACS Applied Materials & Interfaces, 2018, 10, 16233-16237.	8.0	62
18	Effect of Nonionic Conjugated Matrix Polymer and P-Dopant on Carbon Nanotube Aggregation and Thermoelectric Properties. MRS Advances, 2018, 3, 3483-3487.	0.9	1

#	Article	IF	Citations
19	Sensitive and Selective NO₂ Sensing Based on Alkyl- and Alkylthio-Thiophene Polymer Conductance and Conductance Ratio Changes from Differential Chemical Doping. ACS Applied Materials & Interfaces, 2017, 9, 20501-20507.	8.0	46
20	Extended Solution Gate OFETâ€Based Biosensor for Labelâ€Free Glial Fibrillary Acidic Protein Detection with Polyethylene Glycolâ€Containing Bioreceptor Layer. Advanced Functional Materials, 2017, 27, 1606506.	14.9	70
21	Modification of the Poly(bisdodecylquaterthiophene) Structure for High and Predominantly Nonionic Conductivity with Matched Dopants. Journal of the American Chemical Society, 2017, 139, 11149-11157.	13.7	81
22	Diketopyrrolopyrroleâ€“Thiopheneâ€“Benzothiadiazole Random Copolymers: An Effective Strategy To Adjust Thin-Film Crystallinity for Transistor and Photovoltaic Properties. Macromolecules, 2013, 46, 9211-9219.	4.8	52