

Hui Li

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

843
citations

759233

12
h-index

752698

20
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22
all docs

22
docs citations

22
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Biomolecule Sensing with Organic Field-Effect Transistors. <i>Chemical Reviews</i> , 2019, 119, 3-35.	47.7	317
2	Modification of the Poly(bisdodecylquaterthiophene) Structure for High and Predominantly Nonionic Conductivity with Matched Dopants. <i>Journal of the American Chemical Society</i> , 2017, 139, 11149-11157.	13.7	81
3	Extended Solution Gate OFET-Based Biosensor for Label-Free Glial Fibrillary Acidic Protein Detection with Polyethylene Glycol-Containing Bioreceptor Layer. <i>Advanced Functional Materials</i> , 2017, 27, 1606506.	14.9	70
4	Electronic Cortisol Detection Using an Antibody-Embedded Polymer Coupled to a Field-Effect Transistor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16233-16237.	8.0	62
5	Diketopyrrolopyrrole-Thiophene-Benzothiadiazole Random Copolymers: An Effective Strategy To Adjust Thin-Film Crystallinity for Transistor and Photovoltaic Properties. <i>Macromolecules</i> , 2013, 46, 9211-9219.	4.8	52
6	Synergistically Improved Molecular Doping and Carrier Mobility by Copolymerization of Donor-Acceptor and Donor-Donor Building Blocks for Thermoelectric Application. <i>Advanced Functional Materials</i> , 2020, 30, 2004378.	14.9	51
7	Sensitive and Selective NO ₂ Sensing Based on Alkyl- and Alkylthio-Thiophene Polymer Conductance and Conductance Ratio Changes from Differential Chemical Doping. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20501-20507.	8.0	46
8	Enhanced Molecular Doping for High Conductivity in Polymers with Volume Freed for Dopants. <i>Macromolecules</i> , 2019, 52, 9804-9812.	4.8	37
9	Dopant-Dependent Increase in Seebeck Coefficient and Electrical Conductivity in Blended Polymers with Offset Carrier Energies. <i>Advanced Electronic Materials</i> , 2019, 5, 1800618.	5.1	34
10	A Humid-Air-Operable, NO ₂ -Responsive Polymer Transistor Series Circuit with Improved Signal-to-Drift Ratio Based on Polymer Semiconductor Oxidation. <i>ACS Sensors</i> , 2019, 4, 3240-3247.	7.8	22
11	Anion-Dependent Molecular Doping and Charge Transport in Ferric Salt-Doped P3HT for Thermoelectric Application. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1252-1259.	4.3	22
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. <i>Journal of the American Chemical Society</i> , 2019, 141, 4861-4869.	13.7	16
13	Single-Solution Doping Enabling Dominant Integer Charge Transfer for Synergistically Improved Carrier Concentration and Mobility in Donor-Acceptor Polymers. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	12
14	Synergistically Optimized Electrical and Thermal Transport Properties in Copper Phthalocyanine-Based Organic Small Molecule with Nanoscale Phase Separations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15064-15072.	8.0	5
15	Significantly Enhanced Thermoelectric Properties of Copper Phthalocyanine/Single-Walled Carbon Nanotube Hybrids by Iodine Doping. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55156-55163.	8.0	5
16	Contributions to composite conductivity and Seebeck coefficient in commercial Bi ₂ Te ₃ -Conjugated polymer composites. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	3
17	Preparation and Thermoelectric Properties of Semiconducting Single-Walled Carbon Nanotubes/Regioregular Poly(3-dodecylthiophene) Composite Films. <i>Polymers</i> , 2020, 12, 2720.	4.5	3
18	Effect of Nonionic Conjugated Matrix Polymer and P-Dopant on Carbon Nanotube Aggregation and Thermoelectric Properties. <i>MRS Advances</i> , 2018, 3, 3483-3487.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Recent progress in design of conductive polymers to improve the thermoelectric performance. Chinese Physics B, 2022, 31, 028203.	1.4	1
20	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
21	Material and circuit design for organic electronic vapor sensors and biosensors. , 2019, , .		1
22	Influence of Solvent-Dependent Morphology on Molecular Doping and Charge Transport in Conductive Thiophene Polymer. Materials, 2022, 15, 3293.	2.9	1