

Pengcheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,020
citations

201385

27
h-index

315357

38
g-index

40
all docs

40
docs citations

40
times ranked

4654
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Soft Lens of Large Focal Length Change. <i>Soft Robotics</i> , 2022, 9, 705-712.	4.6	7
2	Enhancement of thermoelectric properties of conjugated polymer through constructing random copolymers with more electronic donors. <i>Journal of Polymer Science</i> , 2022, 60, 1002-1012.	2.0	8
3	Enhanced capacitive deionization of a low-concentration brackish water with protonated carbon nitride-decorated graphene oxide electrode. <i>Chemosphere</i> , 2022, 293, 133580.	4.2	12
4	Wet-spun PEDOT:PSS/CNT composite fibers for wearable thermoelectric energy harvesting. <i>Composites Communications</i> , 2022, 32, 101179.	3.3	28
5	Charge Balance in Red QLEDs for High Efficiency and Stability via Ionic Liquid Doping. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
6	Metallic and Low-Work-Function PEDOT:PSS Cathodes for Flexible Organic Solar Cells Exhibiting Over 15% Efficiency and High Stability. <i>ACS Applied Energy Materials</i> , 2022, 5, 7692-7700.	2.5	11
7	Enhanced Thermoelectric Performance of Carbon Nanotubes/Polyaniline Composites by Multiple Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6650-6658.	4.0	35
8	Facile Cyclic Voltammetric-Induced Trimetallic Oxides with Shear-Wall Structure Exhibiting Advanced Performance in an Asymmetric Pseudocapacitor. <i>Energy Technology</i> , 2021, 9, 2001136.	1.8	0
9	Engineering doping level for enhanced thermoelectric performance of carbon nanotubes/polyaniline composites. <i>Composites Science and Technology</i> , 2021, 210, 108797.	3.8	29
10	Recent Advances in Polyaniline-Based Thermoelectric Composites. <i>CCS Chemistry</i> , 2021, 3, 2547-2560.	4.6	30
11	High-Efficiency Flexible Organic Photovoltaics and Thermoelectricities Based on Thionyl Chloride Treated PEDOT:PSS Electrodes. <i>Frontiers in Chemistry</i> , 2021, 9, 807538.	1.8	3
12	Hierarchical porous carbon monolith derived from lignin for high areal capacitance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 109960.	2.2	69
13	Conversion of biomass lignin to high-value polyurethane: A review. <i>Journal of Bioresources and Bioproducts</i> , 2020, 5, 163-179.	11.8	115
14	Enhancement of the thermoelectric performance of DPP based polymers by introducing one 3,4-ethylenedioxythiophene electron-rich building block. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10859-10867.	2.7	37
15	Nanosilver and protonated carbon nitride co-coated carbon cloth fibers based non-enzymatic electrochemical sensor for determination of carcinogenic nitrite. <i>Science of the Total Environment</i> , 2020, 742, 140622.	3.9	29
16	Enhanced thermoelectric performance of PEDOT:PSS self-supporting thick films through a binary treatment with polyethylene glycol and water. <i>Polymer</i> , 2020, 192, 122328.	1.8	25
17	Facile green strategy for improving thermoelectric performance of carbon nanotube/polyaniline composites by ethanol treatment. <i>Composites Science and Technology</i> , 2020, 189, 108023.	3.8	41
18	Transparent Soft Robots for Effective Camouflage. <i>Advanced Functional Materials</i> , 2019, 29, 1901908.	7.8	70

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19	Modulating carrier transport for the enhanced thermoelectric performance of carbon nanotubes/polyaniline composites. <i>Organic Electronics</i> , 2019, 69, 62-68.	1.4	41
20	High conductive and mechanical robust carbon nanotubes/waterborne polyurethane composite films for efficient electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 411-417.	3.8	98
21	Bio-inspired Soft Robot Driven by Transparent Artificial Muscle. , 2019, , .		1
22	Interfacial control and carrier tuning of carbon nanotube/polyaniline composites for high thermoelectric performance. <i>Carbon</i> , 2018, 136, 292-298.	5.4	82
23	Solution processed intrinsically conductive polymer films with high thermoelectric properties and good air stability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24496-24502.	5.2	31
24	Stretchable heaters with composites of an intrinsically conductive polymer, reduced graphene oxide and an elastomer for wearable thermotherapy. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1544-1551.	2.7	107
25	Conductivity Enhancement of PEDOT:PSS via Addition of Chloroplatinic Acid and Its Mechanism. <i>Advanced Electronic Materials</i> , 2017, 3, 1700047.	2.6	126
26	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/Fe ₃ O ₄ Nanocomposite Films with High Transparency and High Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19001-19010.	4.0	55
27	Significantly Enhanced Thermoelectric Properties of PEDOT:PSS Films through Sequential Post-treatments with Common Acids and Bases. <i>Advanced Energy Materials</i> , 2017, 7, 1602116.	10.2	314
28	Significant Enhancement in the Thermoelectric Properties of PEDOT:PSS Films through a Treatment with Organic Solutions of Inorganic Salts. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23204-23211.	4.0	117
29	Stretchable and conductive polymer films for high-performance electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6525-6532.	2.7	171
30	Poly(3,4-ethylenedioxythiophene):polystyrene sulfonate films with low conductivity and low acidity through a treatment of their solutions with probe ultrasonication and their application as hole transport layer in polymer solar cells and perovskite solar cells. <i>Organic Electronics</i> , 2016, 32, 149-156.	1.4	54
31	Graphene coated nonwoven fabrics as wearable sensors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3224-3230.	2.7	108
32	Transparent Conductive Oxide-Free Perovskite Solar Cells with PEDOT:PSS as Transparent Electrode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15314-15320.	4.0	201
33	Review on application of PEDOTs and PEDOT:PSS in energy conversion and storage devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4438-4462.	1.1	464
34	Stretchable and Conductive Polymer Films Prepared by Solution Blending. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18415-18423.	4.0	172
35	Nitrogen-Doped Reduced Graphene Oxide Prepared by Simultaneous Thermal Reduction and Nitrogen Doping of Graphene Oxide in Air and Its Application as an Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26952-26958.	4.0	103
36	Skeletal Platinum Nanostructures with High Surface Area on a Substrate by Chemical Reduction Deposition with Ammonium Carbonate. <i>ChemCatChem</i> , 2015, 7, 422-426.	1.8	1

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37	Efficiency enhancement of planar perovskite solar cells by adding zwitterion/LiF double interlayers for electron collection. <i>Nanoscale</i> , 2015, 7, 896-900.	2.8	127
38	An A ² -D-A ² type small molecule based on 2,7-carbazole for solution-processed organic solar cells with high open-circuit voltage. <i>RSC Advances</i> , 2013, 3, 23098.	1.7	15
39	Small molecules based on 2,7-carbazole for efficient solution-processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8805.	5.2	33
40	White electroluminescent single polymer achieved by incorporating three polyfluorene blue arms into a star-shaped orange core. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2854-2862.	2.5	33