

Xu-Yi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,157
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

2207
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution. <i>Journal of the American Chemical Society</i> , 2015, 137, 15947-15956.	13.7	224
2	Semiconducting polymer blends that exhibit stable charge transport at high temperatures. <i>Science</i> , 2018, 362, 1131-1134.	12.6	147
3	Influence of dopant size and electron affinity on the electrical conductivity and thermoelectric properties of a series of conjugated polymers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16495-16505.	10.3	112
4	Tuning conformation, assembly, and charge transport properties of conjugated polymers by printing flow. <i>Science Advances</i> , 2019, 5, eaaw7757.	10.3	105
5	A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over $10 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ in Air. <i>Advanced Materials</i> , 2015, 27, 8051-8055.	21.0	97
6	Effect of Halogenation in Isoindigo-Based Polymers on the Phase Separation and Molecular Orientation of Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2015, 48, 5570-5577.	4.8	88
7	n-type charge transport in heavily p-doped polymers. <i>Nature Materials</i> , 2021, 20, 518-524.	27.5	66
8	Critical Role of Surface Energy in Guiding Crystallization of Solution-Coated Conjugated Polymer Thin Films. <i>Langmuir</i> , 2018, 34, 1109-1122.	3.5	62
9	Catalytic Azoarene Synthesis from Aryl Azides Enabled by a Dinuclear Ni Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 4110-4118.	13.7	61
10	Designing π -conjugated polymer blends with improved thermoelectric power factors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19774-19785.	10.3	34
11	Functionalized NIR-Excited Semiconducting Polymer Nanoparticles for Single-Cell to Whole-Organ Imaging of PSMA-Positive Prostate Cancer. <i>Small</i> , 2020, 16, e2001215.	10.0	34
12	Polyimide-Based High-Temperature Plastic Electronics. , 2019, 1, 154-157.		27
13	Designing Donor-Acceptor Copolymers for Stable and High-Performance Organic Electrochemical Transistors. <i>ACS Macro Letters</i> , 2021, 10, 1061-1067.	4.8	24
14	Effects of Side Chain on High Temperature Operation Stability of Conjugated Polymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 91-97.	4.4	19
15	Side-Chain Sequence Enabled Regioisomeric Acceptors for Conjugated Polymers. <i>Macromolecules</i> , 2018, 51, 8486-8492.	4.8	15
16	Bis-isoindigos: New Electron-Deficient Building Blocks for Constructing Conjugated Polymers with Extended Electron Delocalization. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2248-2253.	2.7	15
17	Isoindigo-Based Binary Polymer Blends for Solution-Processing of Semiconducting Nanofiber Networks. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1778-1786.	4.4	13
18	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. <i>ACS Applied Electronic Materials</i> , 2019, 1, 764-771.	4.3	8

#	ARTICLE	IF	CITATIONS
19	Contact Effect in High-Temperature Conjugated Polymer Transistors. ACS Applied Electronic Materials, 2020, 2, 2454-2460.	4.3	4
20	Field-Effect Transistors: A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over $10 \text{ cm}^2 \text{V}^{-1} \text{ s}^{-1}$ in Air (Adv. Mater. 48/2015). Advanced Materials, 2015, 27, 8120-8120.	21.0	2