

Tsukasa Hasegawa

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

657
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840776

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#	ARTICLE	IF	CITATIONS
1	Significant Improvement of Unipolar n-Type Transistor Performances by Manipulating the Coplanar Backbone Conformation of Electron-Deficient Polymers via Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2019, 141, 3566-3575.	13.7	142
2	High-Performance n-Channel Organic Transistors Using High-Molecular-Weight Electron-Deficient Copolymers and Amine-Tailed Self-Assembled Monolayers. <i>Advanced Materials</i> , 2018, 30, e1707164.	21.0	97
3	Rational Design of High-Mobility Semicrystalline Conjugated Polymers with Tunable Charge Polarity: Beyond Benzobisthiadiazole-Based Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1604608.	14.9	74
4	Significant Difference in Semiconducting Properties of Isomeric All-Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11893-11902.	13.8	68
5	D ₁ -D ₂ Backbone Strategy for Benzobisthiadiazole Based n-Channel Organic Transistors: Clarifying the Selenium-Substitution Effect on the Molecular Packing and Charge Transport Properties in Electron-Deficient Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1701486.	14.9	47
6	An ultra-narrow bandgap derived from thienoisindigo polymers: structural influence on reducing the bandgap and self-organization. <i>Polymer Chemistry</i> , 2016, 7, 1181-1190.	3.9	42
7	Design and structure-property relationship of benzothienoisindigo in organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 61035-61043.	3.6	36
8	Functionalized NIR-IR Semiconducting Polymer Nanoparticles for Single-cell to Whole-Organ Imaging of PSMA-Positive Prostate Cancer. <i>Small</i> , 2020, 16, e2001215.	10.0	34
9	N-Unsubstituted thienoisindigos: preparation, molecular packing and ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2509-2512.	5.5	25
10	Thiadiazole-fused Quinoxalineimide as an Electron-deficient Building Block for N-type Organic Semiconductors. <i>Organic Letters</i> , 2017, 19, 3275-3278.	4.6	25
11	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 542-551.	4.4	14
12	Ambipolar organic field-effect transistors based on N-Unsubstituted thienoisindigo derivatives. <i>Dyes and Pigments</i> , 2020, 180, 108418.	3.7	11
13	Influence of structure-property relationships of two structural isomers of thiophene-flanked diazaisindigo on carrier-transport properties. <i>RSC Advances</i> , 2016, 6, 109434-109441.	3.6	10
14	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. <i>ACS Applied Electronic Materials</i> , 2019, 1, 764-771.	4.3	8
15	Significant Difference in Semiconducting Properties of Isomeric All-Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie</i> , 2019, 131, 12019-12028.	2.0	7
16	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. <i>Chemistry Letters</i> , 2015, 44, 1128-1130.	1.3	5
17	Organic Transistors: D-A1-D-A2 Backbone Strategy for Benzobisthiadiazole Based n-Channel Organic Transistors: Clarifying the Selenium-Substitution Effect on the Molecular Packing and Charge		

#	ARTICLE	IF	CITATIONS
19	Quinoidal bithienoisatin based semiconductors: Synthesis, characterization, and carrier transport property. Nano Select, 2020, 1, 334-345.	3.7	2