

Chang Guo

List of Publications by Year in descending order

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1196
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#	ARTICLE	IF	CITATIONS
1	Enrichment of Semiconducting Single-Walled Carbon Nanotubes with Indigo-Fluorene-Based Copolymers and Their Use in Printed Thin-Film Transistors and Carbon Dioxide Gas Sensors. <i>ACS Sensors</i> , 2020, 5, 2136-2145.	7.8	30
2	Decomposable Tetrazine Copolymer Enables Single-Walled Carbon Nanotube Thin Film Transistors and Sensors with Improved Sensitivity. <i>Advanced Functional Materials</i> , 2018, 28, 1705568.	14.9	36
3	Sorting of Semiconducting Single-Walled Carbon Nanotubes in Polar Solvents with an Amphiphilic Conjugated Polymer Provides General Guidelines for Enrichment. <i>ACS Nano</i> , 2018, 12, 1910-1919.	14.6	50
4	Low-bandgap donor-acceptor polymers for photodetectors with photoresponsivity from 300 nm to 1600 nm. <i>Journal of Materials Chemistry C</i> , 2017, 5, 159-165.	5.5	70
5	Regioisomerism of an alkyl-substituted bithiophene comonomer in (3E,8E)-3,8-bis(2-oxoindolin-3-ylidene)naphtho-[1,2-b:5,6-b']difuran-2,7(3H,8H)-dione (INDF)-based n-type polymers for organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5902-5909.	5.5	5
6	Thiophene-S,S-dioxidized Indophenine: A Quinoid-type Building Block with High Electron Affinity for Constructing n-type Polymer Semiconductors with Narrow Band Gaps. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3459-3462.	13.8	80
7	Thiophene-S,S-dioxidized indophenines as high performance n-type organic semiconductors for thin film transistors. <i>RSC Advances</i> , 2016, 6, 45410-45418.	3.6	13
8	Polymeric Photoinitiators: A New Search toward High Performance Visible Light Photoinitiating Systems. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2145-2153.	2.2	21
9	Thiophene-S,S-dioxidized Indophenine: A Quinoid-type Building Block with High Electron Affinity for Constructing n-type Polymer Semiconductors with Narrow Band Gaps. <i>Angewandte Chemie</i> , 2016, 128, 3520-3523.	2.0	66
10	Dramatically different charge transport properties of bithienyl diketopyrrolopyrrole-bithiazole copolymers synthesized via two direct (hetero)arylation polymerization routes. <i>Polymer Chemistry</i> , 2016, 7, 4515-4524.	3.9	31
11	Pyrazino[2,3-g]quinoxaline-2,7-dione based π -conjugated polymers with affinity towards acids and semiconductor performance in organic thin film transistors. <i>RSC Advances</i> , 2016, 6, 22043-22051.	3.6	47
12	Branched alkyl ester side chains rendering large polycyclic (3E,7E)-3,7-bis(2-oxoindolin-3-ylidene)benzo[1,2-b:4,5-b']difuran-2,6(3H,7H)-dione (IBDF) based donor-acceptor polymers solution-processability for organic thin film transistors. <i>Polymer Chemistry</i> , 2015, 6, 6689-6697.	3.9	18
13	Conjugated Polymers with Switchable Carrier Polarity. <i>Macromolecules</i> , 2015, 48, 5587-5595.	4.8	15
14	An indigo-based polymer bearing thermocleavable side chains for n-type organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5226-5232.	5.5	33
15	Thionation Enhances the Electron Mobility of Perylene Diimide for High Performance n-Channel Organic Field Effect Transistors. <i>Advanced Functional Materials</i> , 2015, 25, 3321-3329.	14.9	76
16	Enhanced electron mobility in crystalline thionated naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11505-11515.	5.5	47
17	End-Group Engineering of Low-Bandgap Compounds for High-Detectivity Solution-Processed Small-Molecule Photodetectors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25243-25251.	3.1	6
18	Pyrimido[4,5-g]quinazoline-4,9-dione as a new building block for constructing polymer semiconductors with high sensitivity to acids and hole transport performance in organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11937-11944.	5.5	9

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19	Regioisomeric control of charge transport polarity for indigo-based polymers. <i>Polymer Chemistry</i> , 2015, 6, 6998-7004.	3.9	10
20	Synthesis and properties of azothiazole based π -conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7096-7103.	5.5	6
21	Synthesis and properties of indigo based donor-acceptor conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4289-4296.	5.5	32
22	Synthesis and properties of pyrrolo[3,4-c]pyrrole-1,3-dione based polymer semiconductors and their performance in organic thin film transistors. <i>Polymer Chemistry</i> , 2014, 5, 5247-5254.	3.9	8
23	Cyano-disubstituted dipyrrolopyrazinedione (CNPzDP) small molecules for solution processed n-channel organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5624.	5.5	16
24	Synthesis and thin-film transistor performance of benzodipyrrolinone and bithiophene donor-acceptor copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 22282.	6.7	35