

# Chang Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

760  
citations

516710

16  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1196  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Thiophene- <i>S,S</i> -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        |
| 2  | 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        |
| 3  | 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        |
| 4  | Thiophene- <i>S,S</i> -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        |
| 5  | 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        |
| 6  | Enhanced electron mobility in crystalline thionated naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11505-11515.   | 5.5  | 47        |
| 7  | Pyrazino[2,3-g]quinoxaline-2,7-dione based $\pi$ -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        |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | Synthesis and properties of indigo based donor-acceptor conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4289-4296.  | 5.5  | 32        |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | Conjugated Polymers with Switchable Carrier Polarity. <i>Macromolecules</i> , 2015, 48, 5587-5595.  | 4.8  | 15        |
| 18 | Thiophene- <i>S,S</i> -dioxidized indophenines as high performance n-type organic semiconductors for thin film transistors. <i>RSC Advances</i> , 2016, 6, 45410-45418.   | 3.6  | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Regioisomeric control of charge transport polarity for indigo-based polymers. <i>Polymer Chemistry</i> , 2015, 6, 6998-7004.  | 3.9 | 10        |
| 20 | 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         |
| 21 | 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         |
| 22 | Synthesis and properties of azothiazole based $\pi$ -conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7096-7103.   | 5.5 | 6         |
| 23 | 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         |
| 24 | 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 $\pi$ -A polymers for organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5902-5909. | 5.5 | 5         |