

# Xiaolong Fu

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,473  
citations

623188

14  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2540  
citing authors

#	ARTICLE	IF	CITATIONS
1	25th Anniversary Article: Key Points for High-Mobility Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6158-6183.	11.1	710
2	Revealing the Charge-Transfer Interactions in Self-Assembled Organic Cocrystals: Two-Dimensional Photonic Applications. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6785-6789.	7.2	198
3	Tuning the Crystal Polymorphs of Alkyl Thienoacene via Solution Self-Assembly Toward Air-Stable and High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2015, 27, 825-830.	11.1	106
4	Solution-Processed Large-Area Nanocrystal Arrays of Metal-Organic Frameworks as Wearable, Ultrasensitive, Electronic Skin for Health Monitoring. <i>Small</i> , 2015, 11, 3351-3356.	5.2	75
5	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015, 6, 7478.	5.8	43
6	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of $C_{60}$ and $C_{70}$ at the Molecular Level. <i>Advanced Electronic Materials</i> , 2016, 2, 1500423.	2.6	42
7	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14024-14028.	7.2	39
8	Quick Fabrication of Large-area Organic Semiconductor Single Crystal Arrays with a Rapid Annealing Self-Solution-Shearing Method. <i>Scientific Reports</i> , 2015, 5, 13195.	1.6	36
9	Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics. <i>Advanced Functional Materials</i> , 2014, 24, 3783-3789.	7.8	29
10	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing $\pi$ -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7230-7240.	2.7	25
11	Rubrene analogues with the aggregation-induced emission enhancement behaviour. <i>Journal of Materials Chemistry C</i> , 2014, 2, 884-890.	2.7	22
12	A novel method for photolithographic polymer shadow masking: toward high-resolution high-performance top-contact organic field effect transistors. <i>Chemical Communications</i> , 2014, 50, 8328-8330.	2.2	22
13	Superhydrophobic and superaerophilic hierarchical Pt@MIL-101/PVDF composite for hydrogen water isotope exchange reactions. <i>Journal of Hazardous Materials</i> , 2019, 380, 120904.	6.5	15
14	Quantum sieving of $H_2/D_2$ in MOFs: a study on the correlation between the separation performance, pore size and temperature. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6319-6327.	5.2	13
15	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8222-8225.	2.7	10
16	High-Throughput Computational Exploration of MOFs with Open Cu Sites for Adsorptive Separation of Hydrogen Isotopes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24980-24991.	4.0	10
17	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020, 132, 14128-14132.	1.6	7
18	In silico screening and experimental study of anion-pillared metal-organic frameworks for hydrogen isotope separation. <i>Separation and Purification Technology</i> , 2022, 295, 121286.	3.9	7

#	ARTICLE	IF	CITATIONS
19	Organic single crystals or crystalline micro/nanostructures: Preparation and field-effect transistor applications. Science China Chemistry, 2010, 53, 1225-1234.	4.2	6
20	Organic Electronics: "Regioselective Deposition" Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance,		