

Jin-Hu Dou

List of Publications by Year in descending order

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31
papers

2,812
citations

304743

22
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Signature of Metallic Behavior in the Metal-Organic Frameworks M_3 (hexaiminobenzene) M_2 ($M = Ni, Cu$). Journal of the American Chemical Society, 2017, 139, 13608-13611.	13.7	324
2	Atomically precise single-crystal structures of electrically conducting 2D metal-organic frameworks. Nature Materials, 2021, 20, 222-228.	27.5	239
3	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution. Journal of the American Chemical Society, 2015, 137, 15947-15956.	13.7	224
4	Highly Efficient NIR-II Photothermal Conversion Based on an Organic Conjugated Polymer. Chemistry of Materials, 2017, 29, 718-725.	6.7	217
5	Second Near-Infrared Conjugated Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 7919-7926.	8.0	188
6	Continuous Electrical Conductivity Variation in M_3 (Hexaiminotriphenylene) M_2 ($M = Co, Ni, Cu$) MOF Alloys. Journal of the American Chemical Society, 2020, 142, 12367-12373.	13.7	169
7	Strong Electron-Deficient Polymers Lead to High Electron Mobility in Air and Their Morphology-Dependent Transport Behaviors. Advanced Materials, 2016, 28, 7213-7219.	21.0	168
8	Unraveling the Solution-State Supramolecular Structures of Donor-Acceptor Polymers and their Influence on Solid-State Morphology and Charge Transport Properties. Advanced Materials, 2017, 29, 1701072.	21.0	125
9	Systematic Investigation of Side-Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers. Advanced Functional Materials, 2014, 24, 6270-6278.	14.9	116
10	Chlorination as a useful method to modulate conjugated polymers: balanced and ambient-stable ambipolar high-performance field-effect transistors and inverters based on chlorinated isoindigo polymers. Chemical Science, 2013, 4, 2447.	7.4	109
11	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. Nature Communications, 2020, 11, 3292.	12.8	105
12	High-Capacitance Pseudocapacitors from Li^+ Ion Intercalation in Nonporous, Electrically Conductive 2D Coordination Polymers. Journal of the American Chemical Society, 2021, 143, 2285-2292.	13.7	99
13	A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over 10^2 $V^{-1} s^{-1}$ in Air. Advanced Materials, 2015, 27, 8051-8055.	21.0	97
14	Effect of Halogenation in Isoindigo-Based Polymers on the Phase Separation and Molecular Orientation of Bulk Heterojunction Solar Cells. Macromolecules, 2015, 48, 5570-5577.	4.8	88
15	Embedding electron-deficient nitrogen atoms in polymer backbone towards high performance n-type polymer field-effect transistors. Chemical Science, 2016, 7, 5753-5757.	7.4	82
16	Chemiresistive Sensing of Ambient CO_2 by an Autogenously Hydrated Cu_3 (hexaiminobenzene) M_2 Framework. ACS Central Science, 2019, 5, 1425-1431.	11.3	79
17	Wafer-Scale Fabrication of High-Performance n-Type Polymer Monolayer Transistors Using a Multi-Level Self-Assembly Strategy. Advanced Materials, 2019, 31, e1806747.	21.0	68
18	Organic Semiconducting Alloys with Tunable Energy Levels. Journal of the American Chemical Society, 2019, 141, 6561-6568.	13.7	65

#	ARTICLE	IF	CITATIONS
19	Approaching Crystal Structure and High Electron Mobility in Conjugated Polymer Crystals. <i>Advanced Materials</i> , 2021, 33, e2006794.	21.0	52
20	Reversible Metalation and Catalysis with a Scorpionate-like Metallo-ligand in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 17394-17398.	13.7	48
21	Donor End-Capped Hexafluorinated Oligomers for Organic Solar Cells with 9.3% Efficiency by Engineering the Position of I-bridge and Sequence of Two-Step Annealing. <i>Chemistry of Materials</i> , 2017, 29, 1036-1046.	6.7	39
22	A corannulene-based donor-acceptor polymer for organic field-effect transistors. <i>RSC Advances</i> , 2014, 4, 56749-56755.	3.6	34
23	Dimensionality Modulates Electrical Conductivity in Compositionally Constant One-, Two-, and Three-Dimensional Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 5583-5593.	13.7	24
24	Dual-Ion Intercalation and High Volumetric Capacitance in a Two-Dimensional Non-Porous Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27119-27125.	13.8	17
25	Pentacyclic aromatic bislactam-based conjugated polymers: constructed by Beckmann rearrangement and application in organic field-effect transistor. <i>Polymer Chemistry</i> , 2014, 5, 5369-5374.	3.9	15
26	Why conductivity is not always king – physical properties governing the capacitance of 2D metal-organic framework-based EDLC supercapacitor electrodes: a Ni ₃ (HITP) ₂ case study. <i>Faraday Discussions</i> , 2021, 231, 298-304.	3.2	12
27	Structural, Thermodynamic, and Transport Properties of the Small-Gap Two-Dimensional Metal-Organic Kagomé Materials Cu ₃ (hexaiminobenzene) ₂ and Ni ₃ (hexaiminobenzene) ₂ . <i>Inorganic Chemistry</i> , 2022, 61, 6480-6487.	4.0	4
28	Field-Effect Transistors: A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over 10 cm ² V ⁻¹ s ⁻¹ in Air (<i>Adv. Mater.</i> 48/2015). <i>Advanced Materials</i> , 2015, 27, 8120-8120.	21.0	2
29	Dual-Ion Intercalation and High Volumetric Capacitance in a Two-Dimensional Non-Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2021, 133, 27325-27331.	2.0	2
30	Polymer Crystals: Approaching Crystal Structure and High Electron Mobility in Conjugated Polymer Crystals (<i>Adv. Mater.</i> 10/2021). <i>Advanced Materials</i> , 2021, 33, 2170075.	21.0	1
31	Conjugated Polymers: Systematic Investigation of Side-Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers (<i>Adv. Funct. Mater.</i> 40/2014). <i>Advanced Functional Materials</i> , 2014, 24, 6404-6404.	14.9	0