Dafei Yuan

List of Publications by Year
in descending order

24 papers	865 citations	516710 16 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1116 citing authors

#	Article	IF	Citations
1	2,2â€²â€Diaminoâ€6,6â€²â€diborylâ€1,1â€²â€binaphthyl: A Versatile Building Block for Temperatureâ€Dependent Dual Fluorescence and Switchable Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2019, 58, 4840-4846.	13.8	164
2	Airâ€Stable nâ€Type Thermoelectric Materials Enabled by Organic Diradicaloids. Angewandte Chemie - International Edition, 2019, 58, 4958-4962.	13.8	92
3	Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. CheM, 2019, 5, 964-976.	11.7	79
4	Efficient Solution-Processed n-Type Small-Molecule Thermoelectric Materials Achieved by Precisely Regulating Energy Level of Organic Dopants. ACS Applied Materials & Interfaces, 2017, 9, 28795-28801.	8.0	78
5	Airâ€Stable nâ€Type Thermoelectric Materials Enabled by Organic Diradicaloids. Angewandte Chemie, 2019, 131, 5012-5016.	2.0	64
6	Diaceno[a,e]pentalenes from Homoannulations of o-Alkynylaryliodides Utilizing a Unique Pd(OAc)₂/n-Bu₄NOAc Catalytic Combination. Organic Letters, 2014, 16, 4924-4927.	4.6	48
7	Ullmann-Type Intramolecular Câ€“O Reaction Toward Thieno[3,2-b]furan Derivatives with up to Six Fused Rings. Journal of Organic Chemistry, 2017, 82, 10920-10927.	3.2	36
8	Design and Applications of Single-Component Radical Conductors. CheM, 2021, 7, 333-357.	11.7	34
9	Design of High-Performance Organic Light-Emitting Transistors. ACS Omega, 2020, 5, 68-74.	3.5	32
10	Synergy between Photoluminescence and Charge Transport Achieved by Finely Tuning Polymeric Backbones for Efficient Light-Emitting Transistor. Journal of the American Chemical Society, 2021, 143, 5239-5246.	13.7	31
11	Dithienoindophenines: pâ€Type Semiconductors Designed by Quinoid Stabilization for Solarâ€Cell Applications. Chemistry - A European Journal, 2016, 22, 17136-17140.	3.3	29
12	Insight into thin-film stacking modes of Ï€-expanded quinoidal molecules on charge transport property via side-chain engineering. Journal of Materials Chemistry C, 2017, 5, 1935-1943.	5.5	24
13	Critical Role of Molecular Symmetry for Charge Transport Properties: A Paradigm Learned from Quinoidal Bithieno[3,4-b]thiophenes. Chemistry of Materials, 2017, 29, 4999-5008.	6.7	24
14	Foldable semi-ladder polymers: novel aggregation behavior and high-performance solution-processed organic light-emitting transistors. Chemical Science, 2020, 11, 11315-11321.	7.4	22
15	Quinoidâ€Resonant Conducting Polymers Achieve High Electrical Conductivity over 4000 S cm^{â^’1} for Thermoelectrics. Advanced Science, 2018, 5, 1800947.	11.2	20
16	BODIPY-Containing Polymers with Ultralow Band Gaps and Ambipolar Charge Mobilities. Macromolecules, 2020, 53, 2014-2020.	4.8	18
17	Highly Emissive Semi-Ladder-Type Copolymers, Aggregation State, and Solution-Processed Organic Light-Emitting Transistor. Chemistry of Materials, 2020, 32, 4672-4680.	6.7	17
18	Radically Tunable n-Type Organic Semiconductor via Polymorph Control. Chemistry of Materials, 2021, 33, 2466-2477.	6.7	15

#	Article	IF	Citations
19	Thieno[3,4â€c]pyroleâ€4,6â€dione Oligothiophenes Have Two Crossed Paths for Electron Delocalization. Chemistry - A European Journal, 2018, 24, 13523-13534.	3.3	13
20	Stable n-Doped Conductors Enabled by Organic Diradicals. CheM, 2019, 5, 744-745.	11.7	10
21	Design of a Quinoidal Thieno[3,4â€•b]thiopheneâ€Diketopyrrolopyrroleâ€Based Small Molecule as nâ€Type Semiconductor. Chemistry - an Asian Journal, 2019, 14, 1717-1722.	3.3	9
22	Finely Designed P3HT-Based Fully Conjugated Graft Polymer: Optical Measurements, Morphology, and the Faraday Effect. ACS Applied Materials & Interfaces, 2020, 12, 30856-30861.	8.0	3
23	Donorâ€“Acceptor Conjugated Copolymers Containing Transition-Metal Complex: Intrachain Magnetic Exchange Interactions and Magneto-Optical Activity. Chemistry of Materials, 0, , .	6.7	2
24	A Water-Dispersible Quinoid-Resonant Conducting Polymer for Organic Electronics. Organic Materials, 2020, 02, 223-228.	2.0	1