

Dafei Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

865
citations

516710

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times ranked

1116
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Design and Applications of Single-Component Radical Conductors. <i>CheM</i> , 2021, 7, 333-357. | 11.7 | 34 |
| 2 | Radically Tunable n-Type Organic Semiconductor via Polymorph Control. <i>Chemistry of Materials</i> , 2021, 33, 2466-2477. | 6.7 | 15 |
| 3 | Synergy between Photoluminescence and Charge Transport Achieved by Finely Tuning Polymeric Backbones for Efficient Light-Emitting Transistor. <i>Journal of the American Chemical Society</i> , 2021, 143, 5239-5246. | 13.7 | 31 |
| 4 | Design of High-Performance Organic Light-Emitting Transistors. <i>ACS Omega</i> , 2020, 5, 68-74. | 3.5 | 32 |
| 5 | Foldable semi-ladder polymers: novel aggregation behavior and high-performance solution-processed organic light-emitting transistors. <i>Chemical Science</i> , 2020, 11, 11315-11321. | 7.4 | 22 |
| 6 | A Water-Dispersible Quinoid-Resonant Conducting Polymer for Organic Electronics. <i>Organic Materials</i> , 2020, 02, 223-228. | 2.0 | 1 |
| 7 | Highly Emissive Semi-Ladder-Type Copolymers, Aggregation State, and Solution-Processed Organic Light-Emitting Transistor. <i>Chemistry of Materials</i> , 2020, 32, 4672-4680. | 6.7 | 17 |
| 8 | Finely Designed P3HT-Based Fully Conjugated Graft Polymer: Optical Measurements, Morphology, and the Faraday Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30856-30861. | 8.0 | 3 |
| 9 | BODIPY-Containing Polymers with Ultralow Band Gaps and Ambipolar Charge Mobilities. <i>Macromolecules</i> , 2020, 53, 2014-2020. | 4.8 | 18 |
| 10 | 2,2'-Diamino-6,6'-diboryl-1,1'-binaphthyl: A Versatile Building Block for Temperature-Dependent Dual Fluorescence and Switchable Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4840-4846. | 13.8 | 164 |
| 11 | Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. <i>CheM</i> , 2019, 5, 964-976. | 11.7 | 79 |
| 12 | Stable n-Doped Conductors Enabled by Organic Diradicals. <i>CheM</i> , 2019, 5, 744-745. | 11.7 | 10 |
| 13 | Air-Stable n-Type Thermoelectric Materials Enabled by Organic Diradicaloids. <i>Angewandte Chemie</i> , 2019, 131, 5012-5016. | 2.0 | 64 |
| 14 | Air-Stable n-Type Thermoelectric Materials Enabled by Organic Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4958-4962. | 13.8 | 92 |
| 15 | Design of a Quinoidal Thieno[3,4-b]thiophene-Diketopyrrolopyrrole-Based Small Molecule as n-Type Semiconductor. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1717-1722. | 3.3 | 9 |
| 16 | Quinoid-Resonant Conducting Polymers Achieve High Electrical Conductivity over 4000 S cm ⁻¹ for Thermoelectrics. <i>Advanced Science</i> , 2018, 5, 1800947. | 11.2 | 20 |
| 17 | Thieno[3,4-c]pyrrole-4,6-dione Oligothiophenes Have Two Crossed Paths for Electron Delocalization. <i>Chemistry - A European Journal</i> , 2018, 24, 13523-13534. | 3.3 | 13 |
| 18 | Insight into thin-film stacking modes of π -expanded quinoidal molecules on charge transport property via side-chain engineering. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1935-1943. | 5.5 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Critical Role of Molecular Symmetry for Charge Transport Properties: A Paradigm Learned from Quinoidal Bithieno[3,4- <i>b</i>]thiophenes. <i>Chemistry of Materials</i> , 2017, 29, 4999-5008. | 6.7 | 24 |
| 20 | Ullmann-Type Intramolecular C–O Reaction Toward Thieno[3,2- <i>b</i>]furan Derivatives with up to Six Fused Rings. <i>Journal of Organic Chemistry</i> , 2017, 82, 10920-10927. | 3.2 | 36 |
| 21 | Efficient Solution-Processed n-Type Small-Molecule Thermoelectric Materials Achieved by Precisely Regulating Energy Level of Organic Dopants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28795-28801. | 8.0 | 78 |
| 22 | Dithienoindophenines: p-Type Semiconductors Designed by Quinoid Stabilization for Solar Cell Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 17136-17140. | 3.3 | 29 |
| 23 | Diaceno[<i>a</i> , <i>e</i>]pentalenes from Homoannulations of <i>o</i> -Alkynylaryliodides Utilizing a Unique Pd(OAc) ₂ / <i>n</i> -Bu ₄ NOAc Catalytic Combination. <i>Organic Letters</i> , 2014, 16, 4924-4927. | 4.6 | 48 |
| 24 | Donor–Acceptor Conjugated Copolymers Containing Transition-Metal Complex: Intrachain Magnetic Exchange Interactions and Magneto-Optical Activity. <i>Chemistry of Materials</i> , 0, , . | 6.7 | 2 |