

Chen Sun

List of Publications by Year in descending order

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28
papers

786
citations

687363
13
h-index

501196
28
g-index

28
all docs

28
docs citations

28
times ranked

1082
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enhancement of morphological and emission stability of deep-blue small molecular emitter via a universal side-chain coupling strategy for optoelectronic device. <i>Chinese Chemical Letters</i> , 2022, 33, 835-841. | 9.0 | 7 |
| 2 | Enhancing the Deep-Blue Emission Property of Wide Bandgap Conjugated Polymers through a Self-Cross-Linking Strategy. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2283-2293. | 4.4 | 4 |
| 3 | Highly efficient exciplex-emission from spiro[fluorene-9,9'-xanthene] derivatives. <i>Dyes and Pigments</i> , 2021, 185, 108894. | 3.7 | 9 |
| 4 | Photoexcitation Dynamics of Thiophene-Fluorene Fluorophore in Matrix Encapsulation for Deep-Blue Amplified Spontaneous Emission. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1306-1313. | 4.4 | 6 |
| 5 | Diarylfluorene Flexible Pendant Functionalization of Polystyrene for Efficient and Stable Deep-Blue Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2021, 54, 6525-6533. | 4.8 | 12 |
| 6 | Nuclearity Control for Efficient Thermally Activated Delayed Fluorescence in a Cu ^I Complex and its Halogen-Bridged Dimer. <i>Chemistry of Materials</i> , 2021, 33, 6383-6393. | 6.7 | 12 |
| 7 | Matrix Encapsulation of Solution-Processed Thiophene-Based Fluorophores for Enhanced Red and Green Amplified Spontaneous Emission. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 1900493. | 2.4 | 6 |
| 8 | Biocompatible metal-free organic phosphorescent nanoparticles for efficiently multidrug-resistant bacteria eradication. <i>Science China Materials</i> , 2020, 63, 316-324. | 6.3 | 20 |
| 9 | Isolated asymmetric bilateral steric conjugated polymers with thickness-independent emission for efficient and stable light-emitting optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5064-5070. | 5.5 | 7 |
| 10 | Steric Poly(diarylfluorene-co-benzothiadiazole) for Efficient Amplified Spontaneous Emission and Polymer Light-Emitting Diodes: Benefit from Preventing Interchain Aggregation and Polaron Formation. <i>Advanced Optical Materials</i> , 2020, 8, 1901616. | 7.3 | 7 |
| 11 | Simultaneously Enhancing Photoluminescence Quantum Efficiency and Optical Gain of Polyfluorene via Backbone Intercalation of 2,5-Dimethyl-1,4-Phenylene. <i>Advanced Optical Materials</i> , 2020, 8, 2000187. | 7.3 | 4 |
| 12 | Deep-Blue Thiophene-Based Steric Oligomers as a Low-Threshold Laser Gain and Host Material. <i>Advanced Optical Materials</i> , 2020, 8, 1902163. | 7.3 | 11 |
| 13 | Unveiling the Effects of Interchain Hydrogen Bonds on Solution Gelation and Mechanical Properties of Diarylfluorene-Based Semiconductor Polymers. <i>Research</i> , 2020, 2020, 3405826. | 5.7 | 29 |
| 14 | Polydiarylfluorene Molecular Weight Effects on $\hat{\Gamma}^2$ -Conformation Formation for Amplified Spontaneous Emission for Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2352-2359. | 4.4 | 6 |
| 15 | Alkyl-chain branched effect on the aggregation and photophysical behavior of polydiarylfluorenes toward stable deep-blue electroluminescence and efficient amplified spontaneous emission. <i>Chinese Chemical Letters</i> , 2019, 30, 1959-1964. | 9.0 | 7 |
| 16 | Highly Efficient Ultralong Organic Phosphorescence through Intramolecular-Space Heavy-Atom Effect. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 595-600. | 4.6 | 130 |
| 17 | Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>IScience</i> , 2019, 16, 399-409. | 4.1 | 30 |
| 18 | Tetracyano-substituted spiro[fluorene-9,9'-xanthene] as electron acceptor for exciplex thermally activated delayed fluorescence. <i>Journal of Molecular Structure</i> , 2019, 1196, 132-138. | 3.6 | 8 |

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|----|--|------|-----------|
| 19 | A Highly Efficient Red Metal-free Organic Phosphor for Time-Resolved Luminescence Imaging and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18103-18110. | 8.0 | 74 |
| 20 | Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019, 31, e1804811. | 21.0 | 72 |
| 21 | Host Exciton Confinement for Enhanced Förster Transfer Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers. <i>Advanced Functional Materials</i> , 2018, 28, 1705824. | 14.9 | 39 |
| 22 | Twisted Molecular Structure on Tuning Ultralong Organic Phosphorescence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 335-339. | 4.6 | 72 |
| 23 | Novel electron acceptor based on spiro[fluorine-9,9'-xanthene] for exciplex thermally activated delayed fluorescence. <i>Dyes and Pigments</i> , 2018, 149, 422-429. | 3.7 | 19 |
| 24 | Amplified spontaneous emission in insulated polythiophenes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6591-6596. | 5.5 | 24 |
| 25 | Efficient Optical Gain from Near-Infrared Polymer Lasers Based on Poly[9,9'-heptadecanyl-2,7-carbazole-alt<i>5,5'-(4,7-dithienyl-2,1,3-benzothiadiazole)</i>] Optical Materials, 2018, 6, 1800263. | | |
| 26 | Photooxygenations and Self-Sensitizations of Naphthylamines: Efficient Access to Iminoquinones. <i>Journal of Chemistry</i> , 2018, 2018, 1-9. | 1.9 | 3 |
| 27 | Ag/Ag ₂ S Nanocrystals for High Sensitivity Near-Infrared Luminescence Nanothermometry. <i>Advanced Functional Materials</i> , 2017, 27, 1604629. | 14.9 | 110 |
| 28 | Dipole Moment Effect of Cyano-Substituted Spirofluorenes on Charge Storage for Organic Transistor Memory. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18014-18021. | 3.1 | 40 |