

Chen Sun

List of Publications by Year in descending order

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1082
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#	ARTICLE	IF	CITATIONS
1	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
2	Ag ₂ S Nanocrystals for High Sensitivity Near-Infrared Luminescence Nanothermometry. <i>Advanced Functional Materials</i> , 2017, 27, 1604629.	14.9	110
3	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
4	Twisted Molecular Structure on Tuning Ultralong Organic Phosphorescence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 335-339.	4.6	72
5	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
6	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
7	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
8	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>IScience</i> , 2019, 16, 399-409.	4.1	30
9	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
10	Amplified spontaneous emission in insulated polythiophenes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6591-6596.	5.5	24
11	Biocompatible metal-free organic phosphorescent nanoparticles for efficiently multidrug-resistant bacteria eradication. <i>Science China Materials</i> , 2020, 63, 316-324.	6.3	20
12	Novel electron acceptor based on spiro[fluorene-9,9'-xanthene] for exciplex thermally activated delayed fluorescence. <i>Dyes and Pigments</i> , 2018, 149, 422-429.	3.7	19
13	Efficient Optical Gain from Near-Infrared Polymer Lasers Based on Poly[<i>N</i> -heptadecanylethyl-7-carbazole-5,5'-diacetylene-2,1,3-benzothienyl] as a Benzothienyl. <i>Optical Materials</i> , 2018, 6, 1800263.	5.5	18
14	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
15	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
16	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
17	Highly efficient exciplex-emission from spiro[fluorene-9,9'-xanthene] derivatives. <i>Dyes and Pigments</i> , 2021, 185, 108894.	3.7	9
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

#	ARTICLE	IF	CITATIONS
19	Alkyl-chain branched effect on the aggregation and photophysical behavior of polydiarylfluorenes toward stable deep-blue electroluminescence and efficient amplified spontaneous emission. Chinese Chemical Letters, 2019, 30, 1959-1964.	9.0	7
20	Isolated asymmetric bilateral steric conjugated polymers with thickness-independent emission for efficient and stable light-emitting optoelectronic devices. Journal of Materials Chemistry C, 2020, 8, 5064-5070.	5.5	7
21	Steric Poly(diarylfluorene-co- <i>i</i> -benzothiadiazole) for Efficient Amplified Spontaneous Emission and Polymer Light-Emitting Diodes: Benefit from Preventing Interchain Aggregation and Polaron Formation. Advanced Optical Materials, 2020, 8, 1901616.	7.3	7
22	Enhancement of morphological and emission stability of deep-blue small molecular emitter via a universal side-chain coupling strategy for optoelectronic device. Chinese Chemical Letters, 2022, 33, 835-841.	9.0	7
23	Polydiarylfluorene Molecular Weight Effects on $\hat{\nu}^2$ -Conformation Formation for Amplified Spontaneous Emission for Optoelectronic Applications. ACS Applied Polymer Materials, 2019, 1, 2352-2359.	4.4	6
24	Matrix Encapsulation of Solution-Processed Thiophene-Based Fluorophores for Enhanced Red and Green Amplified Spontaneous Emission. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900493.	2.4	6
25	Photoexcitation Dynamics of Thiophene-Fluorene Fluorophore in Matrix Encapsulation for Deep-Blue Amplified Spontaneous Emission. ACS Applied Polymer Materials, 2021, 3, 1306-1313.	4.4	6
26	Simultaneously Enhancing Photoluminescence Quantum Efficiency and Optical Gain of Polyfluorene via Backbone Intercalation of 2,5-Dimethyl-1,4-Phenylene. Advanced Optical Materials, 2020, 8, 2000187.	7.3	4
27	Enhancing the Deep-Blue Emission Property of Wide Bandgap Conjugated Polymers through a Self-Cross-Linking Strategy. ACS Applied Polymer Materials, 2022, 4, 2283-2293.	4.4	4
28	Photooxygenations and Self-Sensitizations of Naphthylamines: Efficient Access to Iminoquinones. Journal of Chemistry, 2018, 2018, 1-9.	1.9	3