

Daniel G Congrave

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

570
citations

759233

12
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839539

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19
times ranked

790
citing authors

#	ARTICLE	IF	CITATIONS
1	Triazatruxene: A Rigid Central Donor Unit for a A_{33} Thermally Activated Delayed Fluorescence Material Exhibiting Sub-Microsecond Reverse Intersystem Crossing and Unity Quantum Yield via Multiple Singlet-Triplet State Pairs. <i>Advanced Science</i> , 2018, 5, 1700989.	11.2	145
2	A Simple Molecular Design Strategy for Delayed Fluorescence toward 1000 nm. <i>Journal of the American Chemical Society</i> , 2019, 141, 18390-18394.	13.7	137
3	Recent advances in luminescent dinuclear iridium(III) complexes and their application in organic electroluminescent devices. <i>Polyhedron</i> , 2018, 140, 146-157.	2.2	42
4	Delayed Blue Fluorescence via Upper-Triplet State Crossing from C-C Bonded Donor-Acceptor Charge Transfer Molecules with Azatriangulene Cores. <i>Chemistry of Materials</i> , 2019, 31, 6684-6695.	6.7	33
5	Sky-blue emitting bridged diiridium complexes: beneficial effects of intramolecular π - π stacking. <i>Dalton Transactions</i> , 2018, 47, 2086-2098.	3.3	27
6	Synthesis, Diastereomer Separation, and Optoelectronic and Structural Properties of Dinuclear Cyclometalated Iridium(III) Complexes with Bridging Diarylhydrazide Ligands. <i>Organometallics</i> , 2017, 36, 981-993.	2.3	25
7	Doubly Encapsulated Perylene Diimides: Effect of Molecular Encapsulation on Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2020, 85, 207-214.	3.2	25
8	Suppressing Solid-State Quenching in Red-Emitting Conjugated Polymers. <i>Chemistry of Materials</i> , 2020, 32, 10140-10145.	6.7	23
9	Molecular Encapsulation of Naphthalene Diimide (NDI) Based π -Conjugated Polymers: A Tool for Understanding Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25005-25012.	13.8	18
10	Suppressing aggregation induced quenching in anthracene based conjugated polymers. <i>Polymer Chemistry</i> , 2021, 12, 1830-1836.	3.9	17
11	3,4-Phenylenedioxythiophenes (PheDOTs) functionalized with electron-withdrawing groups and their analogs for organic electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3743-3756.	5.5	15
12	Development of a Cobalt Electrode for the Determination of Phosphate in Soil Extracts and Comparison with Standard Methods. <i>Analytical Letters</i> , 2018, 51, 834-848.	1.8	13
13	Homoconjugation enhances the photophysical and electrochemical properties of a new 3D intramolecular charge transfer iptycene displaying deep blue emission. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12886-12890.	5.5	11
14	Highly luminescent 2-phenylpyridine-free diiridium complexes with bulky 1,2-diarylimidazole cyclometalating ligands. <i>Dalton Transactions</i> , 2018, 47, 16524-16533.	3.3	10
15	A solution-processable near-infrared thermally activated delayed fluorescent dye with a fused aromatic acceptor and aggregation induced emission behavior. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4831-4836.	5.5	9
16	Intramolecular π - π Interactions with a Chiral Auxiliary Ligand Control Diastereoselectivity in a Cyclometalated Ir(III) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 12836-12849.	4.0	8
17	Simultaneous enhancement of thermally activated delayed fluorescence and photoluminescence quantum yield <i>via</i> homoconjugation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6306-6313.	5.5	7
18	Intrinsic photogeneration of long-lived charges in a donor-orthogonal acceptor conjugated polymer. <i>Chemical Science</i> , 2021, 12, 8165-8177.	7.4	3

#	ARTICLE	IF	CITATIONS
19	Molecular Encapsulation of Naphthalene Diimide (NDI) Based π -Conjugated Polymers: A Tool for Understanding Photoluminescence. <i>Angewandte Chemie</i> , 0, , .	2.0	2