

Atul Shukla

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

650
citations

687220

13
h-index

610775

24
g-index

31
all docs

31
docs citations

31
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-phase sintering of lead halide perovskites and metal-organic framework glasses. <i>Science</i> , 2021, 374, 621-625.	6.0	137
2	Low Amplified Spontaneous Emission Threshold and Efficient Electroluminescence from a Carbazole Derivatized Excited-State Intramolecular Proton Transfer Dye. <i>ACS Photonics</i> , 2018, 5, 4447-4455.	3.2	47
3	Design Strategy for Robust Organic Semiconductor Laser Dyes. , 2020, 2, 161-167.		47
4	Excitonâ€“Exciton Annihilation in Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Functional Materials</i> , 2020, 30, 2000580.	7.8	45
5	Probing polaron-induced exciton quenching in TADF based organic light-emitting diodes. <i>Nature Communications</i> , 2022, 13, 254.	5.8	42
6	Low-temperature solution-processed flexible organic solar cells with PFN/AgNWs cathode. <i>Nano Energy</i> , 2015, 16, 122-129.	8.2	36
7	Solid cyclooctatetraene-based triplet quencher demonstrating excellent suppression of singletâ€“triplet annihilation in optical and electrical excitation. <i>Nature Communications</i> , 2020, 11, 5623.	5.8	31
8	Charge and exciton dynamics of OLEDs under high voltage nanosecond pulse: towards injection lasing. <i>Nature Communications</i> , 2020, 11, 4310.	5.8	31
9	Light Amplification and Efficient Electroluminescence from a Solutionâ€“Processable Diketopyrrolopyrrole Derivative via Tripletâ€“toâ€“Singlet Upconversion. <i>Advanced Functional Materials</i> , 2021, 31, 2009817.	7.8	30
10	Deepâ€“Red Lasing and Amplified Spontaneous Emission from Nature Inspired Bayâ€“Annulated Indigo Derivatives. <i>Advanced Optical Materials</i> , 2020, 8, 1901350.	3.6	26
11	Lasing Operation under Longâ€“Pulse Excitation in Solutionâ€“Processed Organic Gain Medium: Toward CW Lasing in Organic Semiconductors. <i>Advanced Optical Materials</i> , 2020, 8, 2001234.	3.6	23
12	Highâ€“Speed OLEDs and Areaâ€“Emitting Lightâ€“Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer. <i>Advanced Optical Materials</i> , 2018, 6, 1800768.	3.6	19
13	High-performance solution-processed red hyperfluorescent OLEDs based on cibalackrot. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4767-4774.	2.7	19
14	Solution Processable Deep-Red Phosphorescent Pt(II) Complex: Direct Conversion from Its Pt(IV) Species via a Base-Promoted Reduction. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1304-1313.	2.0	16
15	White Organic Light-Emitting Diodes from Single Emissive Layers: Combining Exciplex Emission with Electromer Emission. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22809-22816.	1.5	16
16	Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence in Asymmetric Phenoxazine-Quinoline (D2â€“A) Conjugates and Dual Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5649-5657.	1.5	15
17	Low Amplified Spontaneous Emission and Lasing Thresholds from Hybrids of Fluorenes and Vinylphenylcarbazole. <i>Advanced Optical Materials</i> , 2020, 8, 2000784.	3.6	14
18	Controlling tripletâ€“triplet upconversion and singlet-triplet annihilation in organic light-emitting diodes for injection lasing. <i>Communications Materials</i> , 2022, 3, .	2.9	13

#	ARTICLE	IF	CITATIONS
19	Low Threshold Room Temperature Polariton Lasing from Fluorene-Based Oligomers. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100028.	4.4	12
20	Tunable Light-Emission Properties of Solution-Processable N-Heterocyclic Carbene Cyclometalated Gold(III) Complexes for Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2021, 27, 7265-7274.	1.7	10
21	Reduced Singlet-Triplet Annihilation for Low Threshold Amplified Spontaneous Emission from a Blue Polyfluorene Electroluminescent Organic Semiconductor. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9069-9075.	1.5	5
22	Impact of Polymer Molecular Weight on Polymeric Photodiodes. <i>Advanced Optical Materials</i> , 2022, 10, 2101890.	3.6	4
23	Low Light Amplification Threshold and Reduced Efficiency Roll-Off in Thick Emissive Layer OLEDs from a Diketopyrrolopyrrole Derivative. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200115.	2.0	4
24	Cibalackrot Dendrimers for Hyperfluorescent Organic Light-Emitting Diodes. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200118.	2.0	4
25	Structural Integration of Carbazole and Tetraphenylethylene: Ultrafast Excited-State Relaxation Dynamics and Efficient Electroluminescence. <i>Advanced Photonics Research</i> , 2021, 2, 2000144.	1.7	2
26	Fluorenone and triphenylamine based donor-acceptor-donor (D-A-D) for solution-processed organic light-emitting diodes. <i>Flexible and Printed Electronics</i> , 2022, 7, 025009.	1.5	1
27	Polymer Light Emitting Devices: High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer (Advanced Optical Materials 21/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870084.	3.6	0
28	Organic Semiconductor Lasers: Lasing Operation under Long-Pulse Excitation in Solution-Processed Organic Gain Medium: Toward CW Lasing in Organic Semiconductors (Advanced Optical Materials) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	0
29	Organic Laser Dyes: Deep-Red Lasing and Amplified Spontaneous Emission from Nature Inspired Bay-Annulated Indigo Derivatives (Advanced Optical Materials 2/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070006.	3.6	0