

Mallesham Godumala

List of Publications by Year in descending order

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papers

799
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567281

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times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally activated delayed fluorescence blue dopants and hosts: from the design strategy to organic light-emitting diode applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11355-11381.	5.5	162
2	Recent breakthroughs in thermally activated delayed fluorescence organic light emitting diodes containing non-doped emitting layers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2172-2198.	5.5	145
3	Solution-processed thermally activated delayed fluorescence organic light-emitting diodes using a new polymeric emitter containing non-conjugated cyclohexane units. <i>Polymer Chemistry</i> , 2018, 9, 1318-1326.	3.9	73
4	Color-tunable Boron-based Emitters Exhibiting Aggregation-induced Emission and Thermally Activated Delayed Fluorescence for Efficient Solution-processable Nondoped Deep-blue to Sky-blue OLEDs. <i>Advanced Optical Materials</i> , 2020, 8, 1902175.	7.3	66
5	Optimized structure of silane-core containing host materials for highly efficient blue TADF OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6570-6577.	5.5	39
6	Chromenopyrazole-Based Bipolar Blue Host Materials for Highly Efficient Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2018, 30, 5005-5012.	6.7	35
7	Novel dendritic large molecules as solution-processable thermally activated delayed fluorescent emitters for simple structured non-doped organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1160-1170.	5.5	34
8	Hole-Transporting Side-Chain Polymer Bearing a Thermally Crosslinkable Bicyclo[4.2.0]octa-1,3,5-trien-3-yl Group for High-Performing Thermally Activated Delayed Fluorescence OLED. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17602-17609.	8.0	29
9	Highly efficient bipolar host materials towards solution-processable blue and green thermally activated delayed fluorescence organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10000-10009.	5.5	28
10	Achievement of high efficiency with extremely low efficiency roll-off in solution-processed thermally activated delayed fluorescence OLEDs manufactured using xanthone-based bipolar host materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6780-6787.	5.5	26
11	Perylene diimide isomers containing a simple sp ³ -core for non-fullerene-based polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 663-671.	10.3	22
12	High-Performance, Solution-Processable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Realized via the Adjustment of the Composition of the Organoboron Acceptor Monomer in Copolymer Host Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35300-35310.	8.0	21
13	Rational design, synthesis, and characterization of a photocrosslinkable hole-transporting polymer for high performance solution-processed thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4572-4579.	5.5	19
14	An excellent bipolar host material exhibiting EQE of 24.0% with small efficiency roll-off in solution-processable thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13930-13938.	5.5	18
15	Room-temperature phosphorescent organic materials for optical waveguides. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14115-14132.	5.5	18
16	Chromenopyrazole-based bipolar host materials for solution-processable thermally activated delayed fluorescence OLEDs exhibiting high efficiency and low roll-off. <i>Chemical Communications</i> , 2019, 55, 12952-12955.	4.1	16
17	Mechanophotonic aspects of a room temperature phosphorescent flexible organic microcrystal. <i>CrystEngComm</i> , 2021, 23, 5774-5779.	2.6	15
18	2D- π -2A type cruciform host material with silane core for highly efficient solution-processable green thermally activated delayed fluorescence organic light emitting diodes. <i>Dyes and Pigments</i> , 2019, 167, 120-126.	3.7	13

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19	5H-Benzo[d]Benzo[4,5]Imidazo[2,1-b][1,3]Thiazine as a Novel Electron-Acceptor Cored High Triplet Energy Bipolar Host Material for Efficient Solution-Processable Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 61.	3.6	9
20	Quinoxaline-based D π A conjugated polymers for organic solar cells: Probing the effect of quinoxaline side chains and fluorine substitution on the power conversion efficiency. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1209-1218.	2.3	8