

Bomi Sim

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

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933447

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988
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#	ARTICLE	IF	CITATIONS
1	Comprehensive Model of the Degradation of Organic Light-Emitting Diodes and Application for Efficient, Stable Blue Phosphorescent Devices with Reduced Influence of Polarons. <i>Physical Review Applied</i> , 2020, 14, .	3.8	25
2	Phosphorescent OLEDs: Sky-Blue Phosphorescent OLEDs with 34.1% External Quantum Efficiency Using a Low Refractive Index Electron Transporting Layer (<i>Adv. Mater.</i> 24/2016). <i>Advanced Materials</i> , 2016, 28, 4758-4758.	21.0	6
3	N-Type Molecular Doping in Organic Semiconductors: Formation and Dissociation Efficiencies of a Charge Transfer Complex. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9475-9481.	3.1	27
4	Synthesis and characterization of highly efficient blue Ir(III) complexes by tailoring \hat{I}^2 -diketonate ancillary ligand for highly efficient PhOLED applications. <i>Organic Electronics</i> , 2016, 39, 91-99.	2.6	13
5	Highly efficient non-doped deep blue fluorescent emitters with horizontal emitting dipoles using interconnecting units between chromophores. <i>Chemical Communications</i> , 2016, 52, 10956-10959.	4.1	48
6	Quantitative Analysis of the Efficiency of OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33010-33018.	8.0	30
7	Sky-Blue Phosphorescent OLEDs with 34.1% External Quantum Efficiency Using a Low Refractive Index Electron Transporting Layer. <i>Advanced Materials</i> , 2016, 28, 4920-4925.	21.0	238
8	Crystal Organic Light-Emitting Diodes with Perfectly Oriented Non-Doped Pt-Based Emitting Layer. <i>Advanced Materials</i> , 2016, 28, 2526-2532.	21.0	206
9	Efficient Vacuum-Deposited Ternary Organic Solar Cells with Broad Absorption, Energy Transfer, and Enhanced Hole Mobility. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1214-1219.	8.0	26
10	Triplet Harvesting by a Conventional Fluorescent Emitter Using Reverse Intersystem Crossing of Host Triplet Exciplex. <i>Advanced Optical Materials</i> , 2015, 3, 895-899.	7.3	73
11	Efficient Vacuum-Deposited Tandem Organic Solar Cells with Fill Factors Higher Than Single-Junction Subcells. <i>Advanced Energy Materials</i> , 2015, 5, 1500228.	19.5	10
12	Triplet Harvesting: Triplet Harvesting by a Conventional Fluorescent Emitter Using Reverse Intersystem Crossing of Host Triplet Exciplex (<i>Advanced Optical Materials</i> 7/2015). <i>Advanced Optical Materials</i> , 2015, 3, 846-846.	7.3	1