

# Bomi Sim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10790404/publications.pdf>

Version: 2024-02-01

12  
papers

703  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Quantitative Analysis of the Efficiency of OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33010-33018.	8.0	30
6	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
7	Efficient Vacuum-Deposited Ternary Organic Solar Cells with Broad Absorption, Energy Transfer, and Enhanced Hole Mobility. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1214-1219.	8.0	26
8	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
9	Synthesis and characterization of highly efficient blue Ir(III) complexes by tailoring $\beta^2$ -diketonate ancillary ligand for highly efficient PhOLED applications. <i>Organic Electronics</i> , 2016, 39, 91-99.	2.6	13
10	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
11	Phosphorescent OLEDs: Sky-Blue Phosphorescent OLEDs with 34.1% External Quantum Efficiency Using a Low Refractive Index Electron Transporting Layer (Adv. Mater. 24/2016). <i>Advanced Materials</i> , 2016, 28, 4758-4758.	21.0	6
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