

# Yuan Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7505090/publications.pdf>

Version: 2024-02-01

18  
papers

1,298  
citations

623734

14  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast spin-flip enables efficient and stable organic electroluminescence from charge-transfer states. <i>Nature Photonics</i> , 2020, 14, 636-642.	31.4	331
2	High-efficiency Red Organic Light-emitting Diodes with External Quantum Efficiency Close to 30% Based on a Novel Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Materials</i> , 2019, 31, e1902368.	21.0	238
3	Polymer:Fullerene Bimolecular Crystals for Near-Infrared Spectroscopic Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1702184.	21.0	150
4	Emissive and charge-generating donor-acceptor interfaces for organic optoelectronics with low voltage losses. <i>Nature Materials</i> , 2019, 18, 459-464.	27.5	131
5	Optical Energy Losses in Organic-Inorganic Hybrid Perovskite Light-emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800667.	7.3	91
6	Strategic-tuning of radiative excitons for efficient and stable fluorescent white organic light-emitting diodes. <i>Nature Communications</i> , 2019, 10, 2380.	12.8	84
7	Polymer as an Additive in the Emitting Layer for High-Performance Quantum Dot Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 20239-20246.	8.0	50
8	Simplified Hybrid White Organic Light-emitting Diodes with a Mixed Fluorescent Blue Emitting Layer for Exciton Managing and Lifetime Improving. <i>Advanced Optical Materials</i> , 2016, 4, 2051-2056.	7.3	36
9	Efficient and low-voltage vertical organic permeable base light-emitting transistors. <i>Nature Materials</i> , 2021, 20, 1007-1014.	27.5	36
10	Effect of H- and J-Aggregation on the Photophysical and Voltage Loss of Boron Dipyrromethene Small Molecules in Vacuum-Deposited Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2684-2691.	4.6	32
11	Suppression of non-radiative recombination toward high efficiency perovskite light-emitting diodes. <i>APL Materials</i> , 2019, 7, .	5.1	31
12	High Electron Affinity Molecular Dopant CN6-CP for Efficient Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11660-11666.	8.0	29
13	Improved host material for electrophosphorescence by positional engineering of spirobifluorene-carbazole hybrids. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8736-8744.	5.5	20
14	Manipulating Förster and Dexter interactions between a thermally activated delayed fluorescence host and a phosphorescent dopant for highly efficient solution-processed red and white OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4637-4645.	5.5	20
15	Fano Resonance Ion Sensor Enabled by 2D Plasmonic Sub-Nanopores-Material. <i>IEEE Sensors Journal</i> , 2021, 21, 14776-14783.	4.7	6
16	Efficient application of carbon-based nanomaterials for high-performance perovskite solar cells. <i>Rare Metals</i> , 2021, 40, 2747-2762.	7.1	6
17	Locking excitons in two-dimensional emitting layers for efficient monochrome and white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8929-8937.	5.5	5
18	Fano Resonance in Directly Coupled Microresonators and Its High-Sensitivity Refractometric Sensing. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 575-578.	2.5	2