

# Chin-Wei Lu

## List of Publications by Year in descending order

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34  
papers

939  
citations

430874

18  
h-index

454955

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Realizing performance improvement of borylated TADF materials for OLEDs. <i>Dyes and Pigments</i> , 2022, 197, 109892.	3.7	5
2	Imidazolyl-Phenylcarbazole-Based Host Materials and Their Use for Co-host Designs in Phosphorescent OLEDs. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	14
3	Highly Emissive Red Heterobimetallic Ir(III)/M(I) (M = Cu) Tj ETQq1 1 0.784314 rgB Materials, 2022, 34, 1756-1769.	6.7	16
4	Purely organic pyridium-based materials with thermally activated delayed fluorescence for orange-red light-emitting electrochemical cells. <i>Dyes and Pigments</i> , 2022, 203, 110346.	3.7	15
5	Dual-Functional Enantiomeric Compounds as Hole-Transporting Materials and Interfacial Layers in Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26135-26147.	8.0	9
6	Optimizing carrier balance of a red quantum-dot light-emitting electrochemical cell with a carrier injection layer of cationic Ir(III) complex. <i>Organic Electronics</i> , 2021, 88, 106016.	2.6	8
7	Spherical Hole-Transporting Interfacial Layer Passivated Defect for Inverted NiO <sub>x</sub> -Based Planar Perovskite Solar Cells with High Efficiency of over 20%. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6450-6460.	8.0	26
8	Dicyano-Imidazole: A Facile Generation of Pure Blue TADF Materials for OLEDs. <i>Chemistry - A European Journal</i> , 2021, 27, 12998-13008.	3.3	19
9	Flexible light-emitting electrochemical cells on muscovite mica substrates. <i>Organic Electronics</i> , 2021, 96, 106218.	2.6	7
10	Facile Fabrication of Highly Stable and Wavelength-Tunable Tin Based Perovskite Materials with Enhanced Quantum Yield via the Cation Transformation Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8763-8769.	4.6	10
11	Perovskite Light-Emitting Electrochemical Cells Employing Electron Injection/Transport Layers of Ionic Transition Metal Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 17785-17793.	3.3	12
12	Perovskite Light-Emitting Electrochemical Cells Employing Electron Injection/Transport Layers of Ionic Transition Metal Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 17725-17725.	3.3	2
13	Highly efficient blue and white light-emitting electrochemical cells employing substrates containing embedded diffusive layers. <i>Organic Electronics</i> , 2020, 77, 105515.	2.6	20
14	Hybrid White-Light-Emitting Electrochemical Cells Based on a Blue Cationic Iridium(III) Complex and Red Quantum Dots. <i>Chemistry - A European Journal</i> , 2020, 26, 13668-13676.	3.3	7
15	Near-infrared light-emitting electrochemical cells based on the excimer emission of a cationic iridium complex. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14378-14385.	5.5	12
16	Dicyano-Imidazole-Based Host Materials Possessing a Balanced Bipolar Nature To Realize Efficient OLEDs with Extremely High Luminance. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20410-20423.	3.1	20
17	Combinational Approach To Realize Highly Efficient Light-Emitting Electrochemical Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14254-14264.	8.0	28
18	Approach to Fast Screen the Formation of an Exciplex. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10175-10184.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Efficient and Saturated Red Light-Emitting Electrochemical Cells Based on Cationic Iridium(III) Complexes with EQE up to 9.4%. Chemistry - A European Journal, 2019, 25, 13748-13758.	3.3	29
20	Facile Generation of Thermally Activated Delayed Fluorescence and Fabrication of Highly Efficient Non-Doped OLEDs Based on Triazine Derivatives. Chemistry - A European Journal, 2019, 25, 16699-16711.	3.3	21
21	Cationic Ir <sup>III</sup> Emitters with Near-Infrared Emission Beyond 800 nm and Their Use in Light-Emitting Electrochemical Cells. Chemistry - A European Journal, 2019, 25, 5489-5497.	3.3	42
22	Enhanced Luminescence and Stability of Cesium Lead Halide Perovskite CsPbX <sub>3</sub> Nanocrystals by Cu <sup>2+</sup> -Assisted Anion Exchange Reactions. Journal of Physical Chemistry C, 2019, 123, 2353-2360.	3.1	65
23	Triarylboryl-substituted carbazoles as bipolar host materials for efficient green phosphorescent organic light-emitting devices. Dyes and Pigments, 2019, 163, 145-152.	3.7	21
24	Achieving highly saturated single-color and high color-rendering-index white light-emitting electrochemical cells by CsPbX <sub>3</sub> perovskite color conversion layers. Journal of Materials Chemistry C, 2018, 6, 12808-12813.	5.5	27
25	Efficient donor-acceptor-donor borolated compounds with extremely small $\tau$ EST for thermally activated delayed fluorescence OLEDs. Organic Electronics, 2018, 63, 166-174.	2.6	30
26	Effects of tuning the applied voltage pulse periods on the electroluminescence spectra of host-guest white light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2018, 20, 18226-18232.	2.8	27
27	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 1452-1462.	5.5	65
28	First N-Borolated Emitters Displaying Highly Efficient Thermally Activated Delayed Fluorescence and High-Performance OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 27090-27101.	8.0	54
29	Metal Complexes with Azolate-Functionalized Multidentate Ligands: Tactical Designs and Optoelectronic Applications. Chemistry - A European Journal, 2016, 22, 17892-17908.	3.3	64
30	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. Angewandte Chemie, 2016, 128, 3069-3073.	2.0	32
31	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. Angewandte Chemie - International Edition, 2016, 55, 3017-3021.	13.8	166
32	Modification of alkyne-functionalized asymmetric phthalocyanines by CuI-catalyzed azide-alkyne cycloaddition. Tetrahedron, 2015, 71, 9154-9160.	1.9	6
33	Efficient Pt(II) emitters assembled from neutral bipyridine and dianionic bipyrazolate: designs, photophysical characterization and the fabrication of non-doped OLEDs. Journal of Materials Chemistry C, 2015, 3, 10837-10847.	5.5	31
34	Peripheral Substitution of a Near-IR-Absorbing Soluble Phthalocyanine Using "Click" Chemistry. Chemistry - A European Journal, 2011, 17, 8472-8478.	3.3	18