Wei-Kai Lee

List of Publications by Year
in descending order

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36 papers	2,841 citations	471061 17 h-index	395343 33 g-index
36 all docs	36 docs citations	36 times ranked	2233 citing authors

#	Article	IF	Citations
1	Skyâ€Blue Organic Light Emitting Diode with 37% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridineâ€Triazine Hybrid. Advanced Materials, 2016, 28, 6976-6983.	11.1	899
2	Achieving Nearly 30% External Quantum Efficiency for Orangeâ€“Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8â€Naphthalimideâ€Acridine Hybrids. Advanced Materials, 2018, 30, 1704961.	11.1	488
3	A versatile thermally activated delayed fluorescence emitter for both highly efficient doped and non-doped organic light emitting devices. Chemical Communications, 2015, 51, 13662-13665.	2.2	297
4	Bisâ€Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Lightâ€Emitting Diodes with External Quantum Efficiency Exceeding 31%. Advanced Materials, 2016, 28, 2795-2800.	11.1	247
5	Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientationâ€Adjustable CNâ€Substituted Pyridine and Pyrimidine Acceptor Units. Advanced Functional Materials, 2016, 26, 7560-7571.	7.8	215
6	A Red Thermally Activated Delayed Fluorescence Emitter Simultaneously Having High Photoluminescence Quantum Efficiency and Preferentially Horizontal Emitting Dipole Orientation. Advanced Functional Materials, 2020, 30, 1908839.	7.8	129
7	Enhancing Optical Outâ€Coupling of Organic Lightâ€Emitting Devices with Nanostructured Composite Electrodes Consisting of Indium Tin Oxide Nanomesh and Conducting Polymer. Advanced Materials, 2015, 27, 4883-4888.	11.1	82
8	Acceptor plane expansion enhances horizontal orientation of thermally activated delayed fluorescence emitters. Science Advances, 2020, 6, .	4.7	80
9	Achieving Above 60% External Quantum Efficiency in Organic Lightâ€Emitting Devices Using ITOâ€Free Lowâ€Index Transparent Electrode and Emitters with Preferential Horizontal Emitting Dipoles. Advanced Functional Materials, 2016, 26, 3250-3258.	7.8	70
10	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.	2.7	65
11	High-Efficiency Red Electroluminescence Based on a Carbeneâ€“Cu(I)â€“Acridine Complex. ACS Applied Materials & Interfaces, 2021, 13, 13478-13486.	4.0	46
12	High-efficiency pure blue thermally activated delayed fluorescence emitters with a preferentially horizontal emitting dipole orientation via a spiro-linked double Dâ€“A molecular architecture. Journal of Materials Chemistry C, 2019, 7, 10851-10859.	2.7	40
13	Unlocking the Full Potential of Conducting Polymers for Highâ€Efficiency Organic Lightâ€Emitting Devices. Advanced Materials, 2015, 27, 929-934.	11.1	32
14	Rational design of perfectly oriented thermally activated delayed fluorescence emitter for efficient red electroluminescence. Science China Materials, 2021, 64, 920-930.	3.5	27
15	Enhancing light out-coupling of organic light-emitting devices using indium tin oxide-free low-index transparent electrodes. Applied Physics Letters, 2014, 104, .	1.5	26
16	A Vision toward Ultimate Optical Outâ€Coupling for Organic Lightâ€Emitting Diode Displays: 3D Pixel Configuration. Advanced Science, 2018, 5, 1800467.	5.6	23
17	Simple Planar Indiumâ€Tinâ€Oxideâ€Free Organic Lightâ€Emitting Devices with Nearly 39% External Quantum Efficiency. Advanced Optical Materials, 2016, 4, 365-370.	3.6	17
18	Threeâ€dimensional pixel configurations for optical outcoupling of OLED displaysâ€”optical simulation. Journal of the Society for Information Display, 2019, 27, 273-284.	0.8	9

#	Article	IF	Citations
19	Reflective 3D pixel configuration for enhancing efficiency of OLED displays. Organic Electronics, 2022, 103, 106451.	1.4	9
20	Organic Lightâ€Emitting Diodes: Achieving Nearly 30% External Quantum Efficiency for Orangeâ€“Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8â€Naphthalimideâ€Acridine Hybrids (Adv. Mater. 5/2018). Advanced Materials, 2018, 30, 1870033.	11.1	7
21	Organic LEDs: Sky-Blue Organic Light Emitting Diode with â‰ˆ37% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridine-Triazine Hybrid (Adv. Mater. 32/2016). Advanced Materials, 2016, 28, 7029-7029.	11.1	5
22	Realization of exceeding 80% external quantum efficiency in organic light-emitting diodes using high-index substrates and highly horizontal emitters. Organic Electronics, 2021, 89, 106049.	1.4	4
23	Quinazoline-based thermally activated delayed fluorescence emitters for high-performance organic light-emitting diodes with external quantum efficiencies about 28%. Journal of Materials Chemistry C, 2021, 9, 12633-12641.	2.7	4
24	Enhance external quantum efficiency of organic light-emitting devices using thin transparent electrodes. Organic Electronics, 2021, 89, 106057.	1.4	4
25	Quantitative analyses of high electroluminescence efficiency of thermally activated delayed fluorescence emitters based on acridineâ€“triazine hybrids. Journal of Photonics for Energy, 2018, 8, 1.	0.8	4
26	Lightâ€Emitting Devices: Enhancing Optical Outâ€Coupling of Organic Lightâ€Emitting Devices with Nanostructured Composite Electrodes Consisting of Indium Tin Oxide Nanomesh and Conducting Polymer (Adv. Mater. 33/2015). Advanced Materials, 2015, 27, 4806-4806.	11.1	2
27	Effects of transparent bottom electrode thickness on characteristics of transparent organic light-emitting devices. Organic Electronics, 2016, 39, 236-243.	1.4	2
28	Delayed Fluorescence Emitters: Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientationâ€Adjustable CNâ€Substituted Pyridine and Pyrimidine Acceptor Units (Adv.) Tj ETQq0 0 0 rgBT /Overlock 1	0.0	2
29	76â€3: Ultraâ€Highâ€Efficiency OLED Display by 3D Pixel Configuration. Digest of Technical Papers SID International Symposium, 2020, 51, 1135-1137.	0.1	2
30	Pâ€175: Development of Antiâ€UV Structures for OLED Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 1891-1894.	0.1	1
31	Pâ€179: Optics of Curved OLEDs. Digest of Technical Papers SID International Symposium, 2019, 50, 1907-1910.	0.1	1
32	Pâ€189: Distinguished Poster: 3D Pixel Configurations for Optical Outâ€coupling of OLED Displaysâ€•Part I: Optical Simulation. Digest of Technical Papers SID International Symposium, 2019, 50, 1939-1942.	0.1	1
33	Analyses of emission efficiencies of white organic light-emitting diodes having multiple emitters in single emitting layer. Organic Electronics, 2022, 104, 106474.	1.4	1
34	24-3:Invited Paper: Light Out-Coupling of OLEDs: the Transparent Electrode Effects. Digest of Technical Papers SID International Symposium, 2016, 47, 298-300.	0.1	0
35	12â€2: 3D Pixel Configurations for Optical Outâ€Coupling of OLED Displays â€" Part II: Experimental Validation. Digest of Technical Papers SID International Symposium, 2019, 50, 145-148.	0.1	0
36	Pâ€220: Image Distortion and Image Correction of Curved OLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 1404-1407.	0.1	0