

# Wei-Kai Lee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

2,210  
citations

15  
h-index

36  
g-index

36  
ext. papers

2,561  
ext. citations

9.9  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
36	Reflective 3D pixel configuration for enhancing efficiency of OLED displays. <i>Organic Electronics</i> , <b>2022</b> , 103, 106451	3.5	1
35	Analyses of emission efficiencies of white organic light-emitting diodes having multiple emitters in single emitting layer. <i>Organic Electronics</i> , <b>2022</b> , 104, 106474	3.5	1
34	High-Efficiency Red Electroluminescence Based on a Carbene-Cu(I)-Acridine Complex. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13478-13486	9.5	15
33	Rational design of perfectly oriented thermally activated delayed fluorescence emitter for efficient red electroluminescence. <i>Science China Materials</i> , <b>2021</b> , 64, 920-930	7.1	17
32	Realization of exceeding 80% external quantum efficiency in organic light-emitting diodes using high-index substrates and highly horizontal emitters. <i>Organic Electronics</i> , <b>2021</b> , 89, 106049	3.5	1
31	Quinazoline-based thermally activated delayed fluorescence emitters for high-performance organic light-emitting diodes with external quantum efficiencies about 28%. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12633-12641	7.1	0
30	Enhance external quantum efficiency of organic light-emitting devices using thin transparent electrodes. <i>Organic Electronics</i> , <b>2021</b> , 89, 106057	3.5	3
29	76-3: Ultra-High-Efficiency OLED Display by 3D Pixel Configuration. <i>Digest of Technical Papers SID International Symposium</i> , <b>2020</b> , 51, 1135-1137	0.5	1
28	P-20: Image Distortion and Image Correction of Curved OLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2020</b> , 51, 1404-1407	0.5	
27	A Red Thermally Activated Delayed Fluorescence Emitter Simultaneously Having High Photoluminescence Quantum Efficiency and Preferentially Horizontal Emitting Dipole Orientation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908839	15.6	73
26	Acceptor plane expansion enhances horizontal orientation of thermally activated delayed fluorescence emitters. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	47
25	P-175: Development of Anti-UV Structures for OLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 1891-1894	0.5	1
24	P-179: Optics of Curved OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 1907-1910	0.5	1
23	P-189: Distinguished Poster: 3D Pixel Configurations for Optical Out-coupling of OLED Displays- Part I: Optical Simulation. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 1939-1942	0.5	1
22	12-2: 3D Pixel Configurations for Optical Out-Coupling of OLED Displays [Part II: Experimental Validation. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 145-148	0.5	
21	Three-dimensional pixel configurations for optical outcoupling of OLED displays [Optical simulation. <i>Journal of the Society for Information Display</i> , <b>2019</b> , 27, 273-284	2.1	4
20	High-efficiency pure blue thermally activated delayed fluorescence emitters with a preferentially horizontal emitting dipole orientation via a spiro-linked double D $\pi$ A molecular architecture. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10851-10859	7.1	33

19	Organic Light-Emitting Diodes: Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids (Adv. Mater. 5/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870033	24	6
18	Quantitative analyses of high electroluminescence efficiency of thermally activated delayed fluorescence emitters based on acridine-triazine hybrids. <i>Journal of Photonics for Energy</i> , <b>2018</b> , 8, 1	1.2	3
17	Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704961	24	385
16	A Vision toward Ultimate Optical Out-Coupling for Organic Light-Emitting Diode Displays: 3D Pixel Configuration. <i>Advanced Science</i> , <b>2018</b> , 5, 1800467	13.6	19
15	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1452-1462	7.1	55
14	Organic LEDs: Sky-Blue Organic Light Emitting Diode with 37% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridine-Triazine Hybrid (Adv. Mater. 32/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 7029-7029	24	4
13	Delayed Fluorescence Emitters: Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientation-Adjustable CN-Substituted Pyridine and Pyrimidine Acceptor Units (Adv. Funct. Mater. 42/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7542-7542	15.6	1
12	Achieving Above 60% External Quantum Efficiency in Organic Light-Emitting Devices Using ITO-Free Low-Index Transparent Electrode and Emitters with Preferential Horizontal Emitting Dipoles. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3250-3258	15.6	66
11	Sky-Blue Organic Light Emitting Diode with 37% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridine-Triazine Hybrid. <i>Advanced Materials</i> , <b>2016</b> , 28, 6976-834	24	723
10	Bis-Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Light-Emitting Diodes with External Quantum Efficiency Exceeding 31%. <i>Advanced Materials</i> , <b>2016</b> , 28, 2795-800	24	199
9	24-3: Invited Paper: Light Out-Coupling of OLEDs: the Transparent Electrode Effects. <i>Digest of Technical Papers SID International Symposium</i> , <b>2016</b> , 47, 298-300	0.5	
8	Simple Planar Indium-Tin-Oxide-Free Organic Light-Emitting Devices with Nearly 39% External Quantum Efficiency. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 365-370	8.1	15
7	Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientation-Adjustable CN-Substituted Pyridine and Pyrimidine Acceptor Units. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7560-7571	15.6	169
6	Effects of transparent bottom electrode thickness on characteristics of transparent organic light-emitting devices. <i>Organic Electronics</i> , <b>2016</b> , 39, 236-243	3.5	2
5	A versatile thermally activated delayed fluorescence emitter for both highly efficient doped and non-doped organic light emitting devices. <i>Chemical Communications</i> , <b>2015</b> , 51, 13662-5	5.8	236
4	Unlocking the full potential of conducting polymers for high-efficiency organic light-emitting devices. <i>Advanced Materials</i> , <b>2015</b> , 27, 929-34	24	26
3	Light-Emitting Devices: Enhancing Optical Out-Coupling of Organic Light-Emitting Devices with Nanostructured Composite Electrodes Consisting of Indium Tin Oxide Nanomesh and Conducting Polymer (Adv. Mater. 33/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 4806-4806	24	2
2	Enhancing Optical Out-Coupling of Organic Light-Emitting Devices with Nanostructured Composite Electrodes Consisting of Indium Tin Oxide Nanomesh and Conducting Polymer. <i>Advanced Materials</i> , <b>2015</b> , 27, 4883-8	24	77

- 1 Enhancing light out-coupling of organic light-emitting devices using indium tin oxide-free low-index transparent electrodes. *Applied Physics Letters*, **2014**, 104, 183302

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