

# Kwon-Hyeon Kim

## 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

3,325  
citations

27  
h-index

39  
g-index

39  
ext. papers

3,704  
ext. citations

12.2  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
36	Routes for Efficiency Enhancement in Fluorescent TADF Exciplex Host OLEDs Gained from an Electro-Optical Device Model. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900804	6.4	14
35	Emitting dipole orientation and molecular orientation of homoleptic Ir(III) complexes. <i>Organic Electronics</i> , <b>2020</b> , 82, 105715	3.5	6
34	Unveiling the Role of Dopant Polarity in the Recombination and Performance of Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800001	15.6	13
33	High-Quality White OLEDs with Comparable Efficiencies to LEDs. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701349	8.1	37
32	Origin and Control of Orientation of Phosphorescent and TADF Dyes for High-Efficiency OLEDs. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705600	24	155
31	Lensfree OLEDs with over 50% external quantum efficiency via external scattering and horizontally oriented emitters. <i>Nature Communications</i> , <b>2018</b> , 9, 3207	17.4	70
30	Exciplex-Forming Co-Host-Based Red Phosphorescent Organic Light-Emitting Diodes with Long Operational Stability and High Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3277-3281	9.5	96
29	Azasiline-based thermally activated delayed fluorescence emitters for blue organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1027-1032	7.1	42
28	Harnessing Triplet Excited States by Fluorescent Dopant Utilizing Codoped Phosphorescent Dopant in Exciplex Host for Efficient Fluorescent Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600749	8.1	43
27	An Exciplex Host for Deep-Blue Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37883-37887	9.5	45
26	Unraveling the orientation of phosphors doped in organic semiconducting layers. <i>Nature Communications</i> , <b>2017</b> , 8, 791	17.4	44
25	Highly Efficient, Conventional, Fluorescent Organic Light-Emitting Diodes with Extended Lifetime. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702159	24	60
24	Quantitative Analysis of the Efficiency of OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33010-33018	9.5	22
23	Crystal Organic Light-Emitting Diodes with Perfectly Oriented Non-Doped Pt-Based Emitting Layer. <i>Advanced Materials</i> , <b>2016</b> , 28, 2526-32	24	168
22	Boosting Triplet Harvest by Reducing Nonradiative Transition of Exciplex toward Fluorescent Organic Light-Emitting Diodes with 100% Internal Quantum Efficiency. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1936-1941	9.6	107
21	Highly Efficient Sky-Blue Fluorescent Organic Light Emitting Diode Based on Mixed Cohost System for Thermally Activated Delayed Fluorescence Emitter (2CzPN). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9806-10	9.5	77
20	Design of Heteroleptic Ir Complexes with Horizontal Emitting Dipoles for Highly Efficient Organic Light-Emitting Diodes with an External Quantum Efficiency of 38%. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7505-7510	9.6	85

19	Highly efficient non-doped deep blue fluorescent emitters with horizontal emitting dipoles using interconnecting units between chromophores. <i>Chemical Communications</i> , <b>2016</b> , 52, 10956-9	5.8	37
18	Triplet Harvesting by a Conventional Fluorescent Emitter Using Reverse Intersystem Crossing of Host Triplet Exciplex. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 895-899	8.1	64
17	PhOLEDs: Finely Tuned Blue Iridium Complexes with Varying Horizontal Emission Dipole Ratios and Quantum Yields for Phosphorescent Organic Light-Emitting Diodes (Advanced Optical Materials 2/2015). <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 140-140	8.1	
16	Controlling Emitting Dipole Orientation with Methyl Substituents on Main Ligand of Iridium Complexes for Highly Efficient Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1191-1196	8.1	39
15	Influence of Host Molecules on Emitting Dipole Orientation of Phosphorescent Iridium Complexes. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 2767-2769	9.6	64
14	Triplet Harvesting: Triplet Harvesting by a Conventional Fluorescent Emitter Using Reverse Intersystem Crossing of Host Triplet Exciplex (Advanced Optical Materials 7/2015). <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 846-846	8.1	1
13	Thermally Activated Delayed Fluorescence from Azasiline Based Intramolecular Charge-Transfer Emitter (DTPDDA) and a Highly Efficient Blue Light Emitting Diode. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6675-6681	9.6	183
12	Finely Tuned Blue Iridium Complexes with Varying Horizontal Emission Dipole Ratios and Quantum Yields for Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 211-220	8.1	29
11	Deep-Blue Phosphorescent Emitters with Phosphoryl Groups for Organic Light-Emitting Diodes by Solution Processes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 993-998	3.4	6
10	Flexible Electronics: Extremely Flexible Transparent Conducting Electrodes for Organic Devices (Adv. Energy Mater. 1/2014). <i>Advanced Energy Materials</i> , <b>2014</b> , 4,	21.8	4
9	Phosphorescent dye-based supramolecules for high-efficiency organic light-emitting diodes. <i>Nature Communications</i> , <b>2014</b> , 5, 4769	17.4	280
8	Langevin and Trap-Assisted Recombination in Phosphorescent Organic Light Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4681-4688	15.6	120
7	Highly efficient organic light-emitting diodes with phosphorescent emitters having high quantum yield and horizontal orientation of transition dipole moments. <i>Advanced Materials</i> , <b>2014</b> , 26, 3844-7	24	266
6	Extremely Flexible Transparent Conducting Electrodes for Organic Devices. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300474	21.8	73
5	Organic Light-Emitting Diodes with 30% External Quantum Efficiency Based on a Horizontally Oriented Emitter. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3896-3900	15.6	443
4	Low Roll-Off and High Efficiency Orange Organic Light Emitting Diodes with Controlled Co-Doping of Green and Red Phosphorescent Dopants in an Exciplex Forming Co-Host. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4105-4110	15.6	175
3	Exciplex-Forming Co-host for Organic Light-Emitting Diodes with Ultimate Efficiency. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4914-4920	15.6	360
2	Efficient triplet harvesting by fluorescent molecules through exciplexes for high efficiency organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 153306	3.4	89

- 1 Organic Leds: Exciplex-Forming Co-host for Organic Light-Emitting Diodes with Ultimate Efficiency (Adv. Funct. Mater. 39/2013). *Advanced Functional Materials*, **2013**, 23, 4913-4913 15.6 1