

Tae-Wook Koh

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,075
citations

516561

16
h-index

677027

22
g-index

25
all docs

25
docs citations

25
times ranked

3808
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient perovskite light-emitting diodes featuring nanometre-sized crystallites. <i>Nature Photonics</i> , 2017, 11, 108-115.	15.6	1,175
2	Optical Outcoupling Enhancement in Organic Light-Emitting Diodes: Highly Conductive Polymer as a Low-Index Layer on Microstructured ITO Electrodes. <i>Advanced Materials</i> , 2010, 22, 1849-1853.	11.1	150
3	A Transparent, Smooth, Thermally Robust, Conductive Polyimide for Flexible Electronics. <i>Advanced Functional Materials</i> , 2015, 25, 7428-7434.	7.8	140
4	Enhanced Outcoupling in Organic Light-Emitting Diodes via a High-Index Contrast Scattering Layer. <i>ACS Photonics</i> , 2015, 2, 1366-1372.	3.2	103
5	A Facile Route to Efficient, Low-Cost Flexible Organic Light-Emitting Diodes: Utilizing the High Refractive Index and Built-In Scattering Properties of Industrial-Grade PEN Substrates. <i>Advanced Materials</i> , 2015, 27, 1624-1631.	11.1	101
6	Deep Red Phosphorescence of Cyclometalated Iridium Complexes by <i>o</i> -Carborane Substitution. <i>Inorganic Chemistry</i> , 2014, 53, 128-138.	1.9	99
7	Polynorbornene Copolymer with Side-Chain Iridium(III) Emitters and Carbazole Hosts: A Single Emissive Layer Material for Highly Efficient Electrophosphorescent Devices. <i>Macromolecules</i> , 2013, 46, 674-682.	2.2	42
8	Vinyl-type polynorbornene with 9,9'-diylbis-(1,1'-biphenyl)-4,4'-diylbis-9H-carbazole side groups as a host material for highly efficient green phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 5422.	6.7	40
9	ITO-free down-conversion white organic light-emitting diodes with structured color conversion layers for enhanced optical efficiency and color rendering. <i>Organic Electronics</i> , 2012, 13, 3145-3153.	1.4	36
10	Blur-Free Outcoupling Enhancement in Transparent Organic Light Emitting Diodes: Nanostructure Extracting Surface Plasmon Modes. <i>Advanced Optical Materials</i> , 2013, 1, 687-691.	3.6	31
11	Enhanced light-outcoupling in organic light-emitting diodes through a coated scattering layer based on porous polymer films. <i>Organic Electronics</i> , 2017, 47, 117-125.	1.4	22
12	Soluble polynorbornenes with pendant carbazole derivatives as host materials for highly efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2356-2365.	2.5	21
13	Color temperature tuning of white organic light-emitting diodes via spatial control of micro-cavity effects based on thin metal strips. <i>Organic Electronics</i> , 2015, 26, 334-339.	1.4	19
14	Enhanced light extraction in organic light-emitting devices: Using conductive low-index layers and micropatterned indium tin oxide electrodes with optimal taper angle. <i>Applied Physics Letters</i> , 2012, 100, 233303.	1.5	17
15	Doping-Free Inverted Top-Emitting Organic Light-Emitting Diodes With High Power Efficiency and Near-Ideal Emission Characteristics. <i>IEEE Transactions on Electron Devices</i> , 2012, 59, 159-166.	1.6	17
16	Bi-directional organic light-emitting diodes with nanoparticle-enhanced light outcoupling. <i>Laser and Photonics Reviews</i> , 2013, 7, 1079-1087.	4.4	17
17	Towards highly efficient and highly transparent OLEDs: advanced considerations for emission zone coupled with capping layer design. <i>Optics Express</i> , 2015, 23, 27306.	1.7	13
18	Enhanced and balanced efficiency of white bi-directional organic light-emitting diodes. <i>Optics Express</i> , 2013, 21, 28040.	1.7	10

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19	Straight-forward control of the degree of micro-cavity effects in organic light-emitting diodes based on a thin striped metal layer. <i>Organic Electronics</i> , 2013, 14, 2444-2450.	1.4	9
20	Transparent organic light-emitting diodes with different bi-directional emission colors using color-conversion capping layers. <i>Journal of Luminescence</i> , 2015, 162, 180-184.	1.5	9
21	Flexible Electronics: A Transparent, Smooth, Thermally Robust, Conductive Polyimide for Flexible Electronics (<i>Adv. Funct. Mater.</i> 48/2015). <i>Advanced Functional Materials</i> , 2015, 25, 7547-7547.	7.8	3
22	Transparent OLEDs: Blur-Free Outcoupling Enhancement in Transparent Organic Light Emitting Diodes: AA Nanostructure Extracting Surface Plasmon Modes (<i>Advanced Optical Materials</i> 10/2013). <i>Advanced Optical Materials</i> , 2013, 1, 686-686.	3.6	1
23	Efficient Perovskite LEDs Featuring Nanometer Sized Crystallites. , 2017, , .		0
24	Electrode Engineering for Outcoupling Enhancement in OLEDs. , 2011, , .		0
25	ITO-free Flexible Organic Light Emitting Diodes with Enhanced Light Outcoupling. , 2016, , .		0