

Jonghee Lee

List of Publications by Year in descending order

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55
papers

1,069
citations

430874

18
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-particle based scattering layers for optical efficiency enhancement of organic light-emitting diodes and organic solar cells. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	147
2	Achieving High Efficiency and Improved Stability in ITO-Free Transparent Organic Light-Emitting Diodes with Conductive Polymer Electrodes. <i>Advanced Functional Materials</i> , 2013, 23, 3763-3769.	14.9	123
3	We Want Our Photons Back: Simple Nanostructures for White Organic Light-Emitting Diode Outcoupling. <i>Advanced Functional Materials</i> , 2014, 24, 2553-2559.	14.9	67
4	Rising advancements in the application of PEDOT:PSS as a prosperous transparent and flexible electrode material for solution-processed organic electronics. <i>Journal of Information Display</i> , 2020, 21, 71-91.	4.0	46
5	A randomly nano-structured scattering layer for transparent organic light emitting diodes. <i>Nanoscale</i> , 2014, 6, 10727-10733.	5.6	37
6	Influence of organic capping layers on the performance of transparent organic light-emitting diodes. <i>Optics Letters</i> , 2011, 36, 1443.	3.3	31
7	Transparent Organic Light-Emitting Diodes: Advances, Prospects, and Challenges. <i>Advanced Optical Materials</i> , 2021, 9, 2002040.	7.3	30
8	Efficient ITO-free organic light-emitting diodes comprising PEDOT:PSS transparent electrodes optimized with 2-ethoxyethanol and post treatment. <i>Organic Electronics</i> , 2017, 42, 348-354.	2.6	29
9	Systematic investigation of transparent organic light-emitting diodes depending on top metal electrode thickness. <i>Organic Electronics</i> , 2011, 12, 1383-1388.	2.6	26
10	Enhancement of out-coupling efficiency of flexible organic light-emitting diodes fabricated on an MLA-patterned parylene substrate. <i>Organic Electronics</i> , 2019, 71, 246-250.	2.6	25
11	White transparent organic light-emitting diodes with high top and bottom color rendering indices. <i>Journal of Information Display</i> , 2015, 16, 161-168.	4.0	24
12	Highly Conductive PEDOT:PSS Films with 1,3-Dimethyl-2-imidazolidinone as Transparent Electrodes for Organic Light-Emitting Diodes. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1427-1433.	3.9	24
13	Highly twisted pyrene derivatives for non-doped blue OLEDs. <i>Dyes and Pigments</i> , 2016, 128, 19-25.	3.7	24
14	Enhanced electrical properties of PEDOT:PSS films using solvent treatment and its application to ITO-free organic light-emitting diodes. <i>Journal of Luminescence</i> , 2017, 187, 221-226.	3.1	23
15	Enhanced outcoupling in down-conversion white organic light-emitting diodes using imprinted microlens array films with breath figure patterns. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 35-41.	6.1	23
16	Color-tunable organic light-emitting diodes with vertically stacked blue, green, and red colors for lighting and display applications. <i>Optics Express</i> , 2018, 26, 18351.	3.4	21
17	4,4'-Tris(N-carbazolyl)-triphenylamine interlayer in highly efficient phosphorescent organic light emitting diodes based on tris[4-methyl-2-(4-trimethylsilylphenyl)pyridine]iridium complex. <i>Thin Solid Films</i> , 2011, 519, 6073-6076.	1.8	20
18	Importance of Purcell factor for optimizing structure of organic light-emitting diodes. <i>Optics Express</i> , 2019, 27, 11057.	3.4	20

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19	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.	2.6	19
20	Highly efficient bi-directional organic light-emitting diodes by strong micro-cavity effects. <i>Applied Physics Letters</i> , 2011, 99, 073303.	3.3	18
21	Luminescence enhancement of OLED lighting panels using a microlens array film. <i>Journal of Information Display</i> , 2018, 19, 179-184.	4.0	18
22	Multifunctional Stretchable Organic-Inorganic Hybrid Electronics with Transparent Conductive Silver Nanowire/Biopolymer Hybrid Films. <i>Advanced Optical Materials</i> , 2021, 9, 2002041.	7.3	18
23	Bi-directional organic light-emitting diodes with nanoparticle-enhanced light outcoupling. <i>Laser and Photonics Reviews</i> , 2013, 7, 1079-1087.	8.7	17
24	Optical Analysis of Power Distribution in Top-Emitting Organic Light Emitting Diodes Integrated with Nanolens Array Using Finite Difference Time Domain. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18942-18947.	8.0	17
25	Organic/metal hybrid cathode for transparent organic light-emitting diodes. <i>Organic Electronics</i> , 2013, 14, 2039-2045.	2.6	16
26	Highly efficient solution-processed blue organic light-emitting diodes based on thermally activated delayed fluorescence emitters with spiroacridine donor. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 265-270.	5.8	14
27	Towards highly efficient and highly transparent OLEDs: advanced considerations for emission zone coupled with capping layer design. <i>Optics Express</i> , 2015, 23, 27306.	3.4	13
28	High performance ITO-free white organic light-emitting diodes using highly conductive PEDOT:PSS transparent electrodes. <i>Synthetic Metals</i> , 2018, 242, 99-102.	3.9	13
29	Increased and balanced light emission of transparent organic light-emitting diodes by enhanced microcavity effects. <i>Optics Letters</i> , 2011, 36, 2931.	3.3	12
30	Conductivity Enhancement of Nickel Oxide by Copper Cation Codoping for Hybrid Organic-Inorganic Light-Emitting Diodes. <i>ACS Photonics</i> , 2018, 5, 3389-3398.	6.6	12
31	Highly Efficient Phosphorescent Organic Light Emitting Diodes Based on Iridium(III) Complex with Bulky Substituent Spacers. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4375-4378.	0.9	11
32	Controlling the optical efficiency of the transparent organic light-emitting diode using capping layers. <i>Journal of Information Display</i> , 2013, 14, 57-60.	4.0	11
33	Colored semi-transparent organic light-emitting diodes. <i>Journal of Information Display</i> , 2014, 15, 177-184.	4.0	11
34	ITO/metal/ITO anode for efficient transparent white organic light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 02BC04.	1.5	11
35	Enhanced and balanced efficiency of white bi-directional organic light-emitting diodes. <i>Optics Express</i> , 2013, 21, 28040.	3.4	10
36	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.	3.1	9

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37	Highly efficient white transparent organic light emitting diodes with nano-structured substrate. <i>Organic Electronics</i> , 2016, 29, 72-78.	2.6	9
38	Effect of a <i>P</i> -doped hole transport and charge generation layer on single and two-tandem blue top-emitting organic light-emitting diodes. <i>Journal of Information Display</i> , 2021, 22, 107-113.	4.0	7
39	Dye-doped poly(3,4-Ethylenedioxythiophene)-Poly(Styrenesulfonate) electrodes for the application in organic light-emitting diodes. <i>Thin Solid Films</i> , 2020, 707, 138078.	1.8	6
40	Enhanced Light Outcoupling in Organic Light-Emitting Diodes Using Phase Separated Polymer Films. <i>Electronic Materials Letters</i> , 2020, 16, 363-368.	2.2	6
41	Ancillary ligand effect with methyl and t-butyl for deep blue and high EQE blue phosphorescent organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2021, 411, 128437.	12.7	6
42	Efficient tandem organic light-emitting diode with fluorinated hexaazatrinaphthylene charge generation layer. <i>Journal of Information Display</i> , 2022, 23, 259-266.	4.0	6
43	Multiple functionalities of highly conductive and flexible photo- and thermal-responsive colorimetric cellulose films. <i>Materials Research Letters</i> , 2022, 10, 36-44.	8.7	5
44	Highly stretchable and robust transparent conductive polymer composites for multifunctional healthcare monitoring. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 332-340.	6.1	5
45	Combined effects of microcavity and dielectric capping layer on bidirectional organic light-emitting diodes. <i>Optics Letters</i> , 2012, 37, 2007.	3.3	4
46	Highly efficient orange phosphorescent organic light-emitting diodes with (4-(3,5-dimethylphenyl)-2-(<i>m</i> -tolyl)pyridine)-based iridium complex. <i>Dyes and Pigments</i> , 2021, 186, 109006.	3.7	4
47	Solution-processed colored electrodes for ITO-free blue phosphorescent organic light-emitting diodes. <i>Journal of Information Display</i> , 2021, 22, 21-30.	4.0	4
48	Non-linear relation between emissive dipole orientation and forward luminous efficiency of top-emitting organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 62, 72-76.	2.6	3
49	Transparent bi-directional organic light-emitting diodes with color-tunable top emission. <i>Organic Electronics</i> , 2020, 86, 105900.	2.6	3
50	Effect of the Hole Injection Layer Conductivity on the Performance of Polymer Light-Emitting Diodes. <i>Electronic Materials Letters</i> , 2021, 17, 331-339.	2.2	3
51	Perhydropolysilazane Charge Trap Layer in Solution-Processed Organic and Oxide Memory Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	3
52	Emission characteristics of transparent organic light-emitting diodes with molybdenum oxide capping layers. <i>Synthetic Metals</i> , 2020, 262, 116335.	3.9	2
53	Improved out-coupling efficiency of organic light-emitting diodes using micro-sized perovskite crystalline template. <i>Organic Electronics</i> , 2022, 108, 106580.	2.6	2
54	Solution-processed sky-blue phosphorescent organic light-emitting diodes based on 2-(5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene-8-yl)-4-(trimethylsilyl)pyridine chelated iridium complex. <i>Journal of Information Display</i> , 2022, 23, 273-279.	4.0	1

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55	Light Outcoupling Using Oxide Nanostructures for Tandem White Organic Light-Emitting Diodes on Polymeric Anodes. <i>Electronic Materials Letters</i> , 0, , 1.	2.2	0