

Young-Wook Park

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

1,196
citations

394286

19
h-index

434063

31
g-index

102
all docs

102
docs citations

102
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	The response characteristics of a gas sensor based on poly-3-hexylthiophene thin-film transistors. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 40-45.	4.0	87
2	Evaluation of gas permeation barrier properties using electrical measurements of calcium degradation. <i>Review of Scientific Instruments</i> , 2007, 78, 064701.	0.6	70
3	Effective Indium-Doped Zinc Oxide Buffer Layer on Silver Nanowires for Electrically Highly Stable, Flexible, Transparent, and Conductive Composite Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10397-10403.	4.0	52
4	Highly conformal SiO ₂ /Al ₂ O ₃ nanolaminate gas-diffusion barriers for large-area flexible electronics applications. <i>Nanotechnology</i> , 2010, 21, 475203.	1.3	50
5	Plasmonic Periodic Nanodot Arrays <i>via</i> Laser Interference Lithography for Organic Photovoltaic Cells with >10% Efficiency. <i>ACS Nano</i> , 2016, 10, 10143-10151.	7.3	48
6	Silver Nanowire-IZO-Conducting Polymer Hybrids for Flexible and Transparent Conductive Electrodes for Organic Light-Emitting Diodes. <i>Scientific Reports</i> , 2016, 6, 34150.	1.6	47
7	Junction-Free Electrospun Ag Fiber Electrodes for Flexible Organic Light-Emitting Diodes. <i>Small</i> , 2018, 14, 1702567.	5.2	41
8	Tunable emission of polymer light emitting diodes bearing green-emitting Ir(III) complexes: The structural role of 9-((6-(4-fluorophenyl)pyridin-3-yl)methyl)-9H-carbazole ligands. <i>Dyes and Pigments</i> , 2010, 85, 143-151.	2.0	39
9	Light sintering of ultra-smooth and robust silver nanowire networks embedded in poly(vinyl-butylal) for flexible OLED. <i>Scientific Reports</i> , 2018, 8, 14170.	1.6	37
10	Fuzzy Nanoassembly of Polyelectrolyte and Layered Clay Multicomposite toward a Reliable Gas Barrier. <i>Langmuir</i> , 2012, 28, 6826-6831.	1.6	35
11	An extremely low-index photonic crystal layer for enhanced light extraction from organic light-emitting diodes. <i>Nanoscale</i> , 2016, 8, 4113-4120.	2.8	33
12	Highly Oriented Gold/Nanoclay-Polymer Nanocomposites for Flexible Gas Barrier Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4778-4783.	4.0	31
13	Light Extraction Enhancement in Flexible Organic Light-Emitting Diodes by a Light-Scattering Layer of Dewetted Ag Nanoparticles at Low Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32373-32379.	4.0	31
14	Spectral broadening in electroluminescence of white organic light-emitting diodes based on complementary colors. <i>Applied Physics Letters</i> , 2007, 90, 033506.	1.5	26
15	Hydrophilic Dots on Hydrophobic Nanopatterned Surfaces as a Flexible Gas Barrier. <i>Langmuir</i> , 2009, 25, 7156-7160.	1.6	25
16	Negative mold transfer patterned conductive polymer electrode for flexible organic light-emitting diodes. <i>Organic Electronics</i> , 2013, 14, 416-422.	1.4	25
17	Characteristics of organic light-emitting diodes with conducting polymer anodes on plastic substrates. <i>Journal of Applied Physics</i> , 2008, 103, 044502.	1.1	23
18	Highly improved light extraction with a reduced spectrum distortion of organic light-emitting diodes composed by the sub-visible wavelength nano-scale periodic ($\lambda/4$ 250nm) structure and micro-lens array. <i>Organic Electronics</i> , 2014, 15, 111-117.	1.4	23

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19	Novel Composite Layer Based on Electrospun Polymer Nanofibers for Efficient Light Scattering. ACS Applied Materials & Interfaces, 2015, 7, 68-74.	4.0	22
20	High-Performance Hybrid Buffer Layer Using 1,4,5,8,9,11-Hexaazatriphenylenehexacarbonitrile/Molybdenum Oxide in Inverted Top-Emitting Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 6047-6053.	4.0	21
21	Optical characteristics of refractive-index-matching diffusion layer in organic light-emitting diodes. Scientific Reports, 2019, 9, 8690.	1.6	21
22	Phosphorescent, green-emitting Ir(III) complexes with carbazolyl-substituted 2-phenylpyridine ligands: Effect of binding mode of the carbazole group on photoluminescence and electrophosphorescence. Dyes and Pigments, 2009, 83, 218-224.	2.0	20
23	Simple method for fabricating scattering layer using random nanoscale rods for improving optical properties of organic light-emitting diodes. Scientific Reports, 2018, 8, 14311.	1.6	20
24	Enhanced light out-coupling efficiency of organic light-emitting diodes with an extremely low haze by plasma treated nanoscale corrugation. Nanoscale, 2015, 7, 2723-2728.	2.8	17
25	Improved stability of a phase change memory device using Ge-doped SbTe at varying ambient temperature. Applied Physics Letters, 2010, 96, 133510.	1.5	16
26	Nano-arrayed OLEDs: enhanced outcoupling efficiency and suppressed efficiency roll-off. Nanoscale, 2018, 10, 19330-19337.	2.8	16
27	Organic soluble deoxyribonucleic acid (DNA) bearing carbazole moieties and its blend with phosphorescent Ir(III) complexes. Journal of Polymer Science Part A, 2010, 48, 1913-1918.	2.5	15
28	Enhanced optical efficiency and color purity for organic light-emitting diodes by finely optimizing parameters of nanoscale low-refractive index grid. Scientific Reports, 2020, 10, 5631.	1.6	15
29	Enhanced light extraction efficiency and viewing angle characteristics of microcavity OLEDs by using a diffusion layer. Scientific Reports, 2021, 11, 3430.	1.6	15
30	Mechanical, surface, and thermal properties of polyamideimide-polydimethylsiloxane nanocomposites fabricated by sol-gel process. Journal of Applied Polymer Science, 2004, 91, 1774-1783.	1.3	14
31	Highly soluble green-emitting Ir(III) complexes with 9-(6-phenyl-2-pyridinylmethyl)-10H-carbazole ligands and their application to polymer light-emitting diodes. Journal of Polymer Science Part A, 2008, 46, 7419-7428.	2.5	14
32	Ag fiber/IZO Composite Electrodes: Improved Chemical and Thermal Stability and Uniform Light Emission in Flexible Organic Light-Emitting Diodes. Scientific Reports, 2019, 9, 738.	1.6	14
33	Green phosphorescent organic light-emitting diode exhibiting highest external quantum efficiency with ultra-thin undoped emission layer. Scientific Reports, 2021, 11, 8436.	1.6	13
34	Role of n-dopant based electron injection layer in n-doped organic light-emitting diodes and its simple alternative. Applied Physics Letters, 2012, 100, 013312.	1.5	12
35	Improvement of light out-coupling in organic light-emitting diodes by printed nanosized random texture layer. Organic Electronics, 2013, 14, 187-192.	1.4	12
36	Nanoshuttered OLEDs: Unveiled Invisible Auxiliary Electrode. Advanced Functional Materials, 2014, 24, 6414-6421.	7.8	12

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37	Spin-polarized carrier injection through hybrid ferromagnetic electrode for enhanced optical efficiency of organic light-emitting diodes. <i>Organic Electronics</i> , 2020, 84, 105755.	1.4	12
38	The flexible Ca-test: An improved performance in a gas permeability measurement system. <i>Review of Scientific Instruments</i> , 2011, 82, 054702.	0.6	10
39	Low-haze light extraction from organic light-emitting diode lighting with auxiliary electrode by selective microlens arrays. <i>Optics Letters</i> , 2013, 38, 4182.	1.7	10
40	Enhanced Light Extraction from Organic Light-Emitting Diodes with Micro-Nano Hybrid Structure. <i>Nanomaterials</i> , 2022, 12, 1266.	1.9	10
41	Highly efficient tris(8-hydroxyquinoline) aluminum-based organic light-emitting diodes utilized by balanced energy transfer with cosensitizing fluorescent dyes. <i>Applied Physics Letters</i> , 2009, 95, 143305.	1.5	9
42	The Emission Properties of Integrated Organic Light Emitting Diodes With Organic Photo Sensor for Emotional Lighting Applications. <i>IEEE Electron Device Letters</i> , 2011, 32, 348-350.	2.2	9
43	Highly efficient flexible OLEDs based on double-sided nano-dimpled substrate (PVB) with embedded AgNWs and TiO ₂ nanoparticle for internal and external light extraction. <i>Optical Materials</i> , 2019, 92, 87-94.	1.7	9
44	Enhanced Power Efficiency of Organic Light-Emitting Diodes using Pentacene on CF_4 -Plasma-Treated Indium Tin Oxide Anodes. <i>IEEE Electron Device Letters</i> , 2012, 33, 1156-1158.	2.2	8
45	Spectral-distortion-free light extraction from organic light-emitting diodes using nanoscale photonic crystal. <i>Nanotechnology</i> , 2017, 28, 045301.	1.3	8
46	Hydrophobic nanopatterning on a flexible gas barrier film by using a poly(dimethylsiloxane) elastomer. <i>Nanotechnology</i> , 2009, 20, 135303.	1.3	7
47	Micro-pixel array of organic light-emitting diodes applying imprinting technique with a polymer replica. <i>Applied Physics Letters</i> , 2009, 95, 093301.	1.5	7
48	Electroluminescence Property of Highly Soluble Ir(III) Complex Utilized by Various Hole Blocking Layers in Polymer Light Emitting Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3250-3253.	0.9	6
49	Modeling of flexible light extraction structure: Improved flexibility and optical efficiency for organic light-emitting diodes. <i>Organic Electronics</i> , 2020, 85, 105760.	1.4	6
50	Effect of the plasma treatment of anode electrode of the organic light-emitting diodes on the growth of hole-injection layer. <i>Thin Solid Films</i> , 2009, 517, 4108-4110.	0.8	5
51	Self-assembled microarray of organic light-emitting diodes using a self-assembled monolayer by microcontact printing. <i>Applied Physics Letters</i> , 2009, 95, 113310.	1.5	5
52	Contact printing of the emitting layer for high performance multilayered phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2011, 12, 1063-1067.	1.4	5
53	A Simple Method for Fabricating an External Light Extraction Composite Layer with RNS to Improve the Optical Properties of OLEDs. <i>Nanomaterials</i> , 2022, 12, 1430.	1.9	5
54	Photoreactive main chain conjugated polymer containing oxetane moieties in the side chain and its application to green electrophosphorescence devices. <i>Synthetic Metals</i> , 2009, 159, 2147-2152.	2.1	4

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55	Flexible external light extraction in organic light-emitting diodes by porous PDMS film fabricated by high-pressure steam process. <i>Organic Electronics</i> , 2022, 108, 106575.	1.4	4
56	Photoreactive hole-transporting polymer bearing oxetane moieties and its application to green polymer light-emitting diodes. <i>Synthetic Metals</i> , 2008, 158, 785-789.	2.1	3
57	Enhanced Electroluminescence Efficiency of Phosphorescent Organic Light-Emitting Diodes by Controlling the Triplet Energy of the Hole-Blocking Layer. <i>IEEE Electron Device Letters</i> , 2010, 31, 452-454.	2.2	3
58	Extraction of Light Using Random Nanocone on Poly(vinyl-butylal) for Flexible OLEDs. <i>Scientific Reports</i> , 2019, 9, 12312.	1.6	3
59	Enhanced light extraction from organic light-emitting diodes using a quasi-periodic nano-structure. <i>Nanotechnology</i> , 2019, 30, 085302.	1.3	3
60	Self-catalytic-grown SnO _x nanocones for light outcoupling enhancement in organic light-emitting diodes. <i>Nanotechnology</i> , 2020, 31, 135204.	1.3	3
61	Improving the optical properties of organic light-emitting diodes using random nanoscale rods with a double refractive index. <i>Nanotechnology</i> , 2020, 31, 335205.	1.3	3
62	Effect of Viscosity on the Formation of Porous Polydimethylsiloxane for Wearable Device Applications. <i>Molecules</i> , 2021, 26, 1471.	1.7	3
63	Random rubbed structure for enhanced light extraction in organic light-emitting diodes. <i>Journal of Luminescence</i> , 2022, 243, 118670.	1.5	3
64	Synthesis and photophysical properties of multi-branched ethynyl fluorene-labeled molecules. <i>Synthetic Metals</i> , 2007, 157, 1034-1039.	2.1	2
65	Color Stable White Organic Light-Emitting Diodes Having High Color Rendering Index Utilized by Simple-Hybrid Structures. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, J81.	2.2	2
66	White Organic Light-Emitting Diodes Utilized by Near UV-Deep Blue Emitter and Exciplex Emission. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1381-1384.	0.9	2
67	Internal Light Extraction Layers with Different Refractive Indices for Organic Light-Emitting Diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800833.	0.8	2
68	Reduced Efficiency Roll-Off in Phosphorescent Organic Light-Emitting Diodes with a Double Dopant. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6679-6682.	0.9	2
69	Micro-Sphere PDMS for Enhancing Light Extraction in Organic Light-Emitting Devices. <i>Nanomaterials</i> , 2022, 12, 2007.	1.9	2
70	UV-Vis Absorption and Photoluminescence Characteristics of Doped Organic Solid Depend on its Doping Concentration. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1607-1610.	0.9	1
71	Microcavity characteristics analysis of micro-shuttered organic light-emitting diodes. <i>Thin Solid Films</i> , 2019, 692, 137643.	0.8	1
72	Solution Processable, Flexible, and Transparent Hybrid Electrodes Using Tungsten Oxide Buffer Layer on Silver Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6197-6201.	0.9	1

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73	Clumping Between Carbon Black and Titanium Dioxide Pigment by Water Vapor Absorption and Its Correlation with Electrophoretic Display. Journal of Nanoscience and Nanotechnology, 2019, 19, 6444-6451.	0.9	1
74	The Effects of the Rotational Speed of the Deposition Substrate on the Morphological and Current Injection Characteristics of LiF Thin Films. Journal of Nanoscience and Nanotechnology, 2021, 21, 4208-4211.	0.9	1
75	P4158: Highly Efficient Exciplex Emitting White OLED based on Complementary Emitters. Digest of Technical Papers SID International Symposium, 2007, 38, 796-799.	0.1	0
76	Diffusion Characteristics and Induced Electronic Channels of Magnesium in Organic Light-Emitting Diodes. Journal of Nanoscience and Nanotechnology, 2008, 8, 4958-4961.	0.9	0
77	P-80: Permeation-Rate Measurements System and Its Application to Polymeric Substrates. Digest of Technical Papers SID International Symposium, 2008, 39, 1485.	0.1	0
78	P460: Surface Modifications of Flexible Gas Barrier Films by Mimicking Structures of Nature. Digest of Technical Papers SID International Symposium, 2009, 40, 1317-1319.	0.1	0
79	P4167: Effect of Energy Level of Hole-Blocking Layer on the Electroluminescence Characteristics of Highly Soluble Ir(III) Complex Based Phosphorescent Organic Light-Emitting Diodes. Digest of Technical Papers SID International Symposium, 2009, 40, 1740-1743.	0.1	0
80	P-69: Solution-based Low-cost Process using Contact Printing for the Fabrication of Organic Light-Emitting Diodes. Digest of Technical Papers SID International Symposium, 2011, 42, 1361-1363.	0.1	0
81	P4174: The Electrical Properties of Transparent Emulation OLED Lighting Based on Organic Environment Sensor. Digest of Technical Papers SID International Symposium, 2011, 42, 1753-1756.	0.1	0
82	P465: Flexible Gas Barrier Technologies with Inorganic Nanolaminates, Surface Modifications and Its Measurements. Digest of Technical Papers SID International Symposium, 2011, 42, 1348-1350.	0.1	0
83	The response characteristics of odor sensor based on organic thin-film transistor for environment malodor measurements. Current Applied Physics, 2011, 11, S163-S166.	1.1	0
84	P-54: Contact Printing Technologies for Encapsulation of Flexible OLEDs. Digest of Technical Papers SID International Symposium, 2012, 43, 1258-1260.	0.1	0
85	P-40: Encapsulated Flexible Organic Light-Emitting Diodes: Progress Toward a Simple and Cost Effective Contact Printing Technique. Digest of Technical Papers SID International Symposium, 2013, 44, 1137-1139.	0.1	0
86	P4151: Optical Efficiency Enhancement of Organic Light-Emitting Diode Based on a Nano-Sized Stripe Auxiliary Electrode. Digest of Technical Papers SID International Symposium, 2014, 45, 1551-1553.	0.1	0
87	P4137: Improved Light Extraction of Organic Light-Emitting Diodes using Embedded Nanoscale Vacuum Line Layer. Digest of Technical Papers SID International Symposium, 2015, 46, 1678-1679.	0.1	0
88	P-160: Silver Nanowire-Transparent Conducting Oxide-Conducting Polymer Hybrids for Flexible and Transparent Conductive Electrodes for Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2016, 47, 1725-1726.	0.1	0
89	P4197: Enhanced Outcoupling Efficiency of Organic Light-Emitting Diodes using Nano-Sized Pixel Defining Layer. Digest of Technical Papers SID International Symposium, 2017, 48, 2006-2008.	0.1	0
90	P-179: Enhanced Light Extraction from Organic Light-Emitting Diodes using a Quasi-periodic Nanostructure. Digest of Technical Papers SID International Symposium, 2017, 48, 1947-1948.	0.1	0

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91	Pâ€194: Control of the Viewing Angle Dependence by Inserting of Scattering Layer on Microcavity OLEDs. Digest of Technical Papers SID International Symposium, 2017, 48, 1996-1998.	0.1	0
92	Pâ€185: Enhanced Light Extraction of Flexible Organic Light-Emitting Diodes by Ag Nanoparticles as Scattering Layer. Digest of Technical Papers SID International Symposium, 2018, 49, 1853-1855.	0.1	0
93	P-187: Ultra-smooth Silver Nanowires Flexible Transparent Electrode for Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2018, 49, 1859-1861.	0.1	0
94	Pâ€186: Extremely Long Length Electrospun Ag Fiber Electrodes for Flexible Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2018, 49, 1856-1858.	0.1	0
95	Pâ€214: Lateâ€News Poster: Enhanced Outâ€coupling Efficiency of Organic Light-Emitting Diodes Using a Corrugated Microcavity Structure. Digest of Technical Papers SID International Symposium, 2019, 50, 1970-1972.	0.1	0
96	Influence of Thermal Evaporation Substrate Revolution Velocity on Electroluminescence Characteristics of Organic Light Emitting Diodes. Journal of Nanoscience and Nanotechnology, 2020, 20, 6688-6691.	0.9	0
97	Solution process manufacture of a simple, multifunctional flexible sensor based on capacitance measurement. Nanotechnology, 2021, 32, 265503.	1.3	0
98	Organic Thin-Film Characteristics Modulated by Deposition Substrate Rotation Speed and the Effect on Organic Light-Emitting Diodes. Journal of Nanoscience and Nanotechnology, 2021, 21, 4185-4191.	0.9	0
99	Color Tuning of 2-Color Based White Organic Light-Emitting Diodes with Undoped Ultra-Thin Emission Layer. Journal of Nanoscience and Nanotechnology, 2021, 21, 4179-4184.	0.9	0
100	Characteristics of Self-Nanostructured Growth of 4,6-Bis(3,5-di(pyridin-3-yl)phenyl)-2-Methylpyrimidine (B3PyMPM). Journal of Nanoscience and Nanotechnology, 2021, 21, 4212-4215.	0.9	0
101	Pâ€170: Green Phosphorescent Organic Light-Emitting Diodes with Ultraâ€thin Undoped Emission Layer of nearly 24% External Quantum Efficiency. Digest of Technical Papers SID International Symposium, 2020, 51, 2024-2026.	0.1	0