Byeong-Kwon Ju

List of Publications by Year
in descending order

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225 papers	3,431 citations	126907 33 h-index	206112 48 g-index
233 all docs	233 docs citations	233 times ranked	5300 citing authors

#	Article	IF	Citations
1	Ultrasensitive PbS quantum-dot-sensitized InGaZnO hybrid photoinverter for near-infrared detection and imaging with high photogain. NPG Asia Materials, 2016, 8, e233-e233.	7.9	129
2	A wearable piezocapacitive pressure sensor with a single layer of silver nanowire-based elastomeric composite electrodes. Journal of Materials Chemistry A, 2016, 4, 10435-10443.	10.3	120
3	Plasmonic Color Filter and its Fabrication for Largeâ€Area Applications. Advanced Optical Materials, 2013, 1, 133-138.	7.3	110
4	Transparent InP Quantum Dot Lightâ€Emitting Diodes with ZrO₂ Electron Transport Layer and Indium Zinc Oxide Top Electrode. Advanced Functional Materials, 2016, 26, 3454-3461.	14.9	84
5	Optically Switchable Smart Windows with Integrated Photovoltaic Devices. Advanced Energy Materials, 2015, 5, 1401347.	19.5	81
6	Efficient suppression of charge trapping in ZnO-based transparent thin film transistors with novel Al2O3âˆ•HfO2âˆ•Al2O3 structure. Applied Physics Letters, 2008, 92, .	3.3	76
7	Heterojunction Based on Rh-Decorated WO₃ Nanorods for Morphological Change and Gas Sensor Application Using the Transition Effect. Chemistry of Materials, 2019, 31, 207-215.	6.7	71
8	Homeotropic alignment of liquid crystals on a nano-patterned polyimide surface using nanoimprint lithography. Soft Matter, 2011, 7, 5610.	2.7	70
9	Flash-induced nanowelding of silver nanowire networks for transparent stretchable electrochromic devices. Scientific Reports, 2018, 8, 2763.	3.3	70
10	Photoenhanced Patterning of Metal Nanowire Networks for Fabrication of Ultraflexible Transparent Devices. ACS Applied Materials & Interfaces, 2016, 8, 480-489.	8.0	66
11	Simultaneous Enhancement of Upconversion and Downshifting Luminescence via Plasmonic Structure. Nano Letters, 2015, 15, 2491-2497.	9.1	64
12	Chiropticalâ€Conjugated Polymer/Chiral Small Molecule Hybrid Thin Films for Circularly Polarized Lightâ€Detecting Heterojunction Devices. Advanced Functional Materials, 2019, 29, 1808668.	14.9	64
13	Highly Stretchable and Waterproof Electroluminescence Device Based on Superstable Stretchable Transparent Electrode. ACS Applied Materials & Interfaces, 2017, 9, 5486-5494.	8.0	63
14	Fabrication of Bismuth Telluride-Based Alloy Thin Film Thermoelectric Devices Grown by Metal Organic Chemical Vapor Deposition. Journal of Electronic Materials, 2009, 38, 920-924.	2.2	56
15	Metalâ€“Insulatorâ€“Semiconductor Coaxial Microfibers Based on Selfâ€Organization of Organic Semiconductor:Polymer Blend for Weavable, Fibriform Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2016, 26, 2706-2714.	14.9	52
16	Understanding Excess Li Storage beyond LiC₆ in Reduced Dimensional Scale Graphene. ACS Nano, 2021, 15, 797-808.	14.6	50
17	Electron beam irradiated silver nanowires for a highly transparent heater. Scientific Reports, 2016, 5, 17716.	3.3	49
18	A Light Scattering Layer for Internal Light Extraction of Organic Light-Emitting Diodes Based on Silver Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 17409-17415.	8.0	48

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19	Silver Nanowire-IZO-Conducting Polymer Hybrids for Flexible and Transparent Conductive Electrodes for Organic Light-Emitting Diodes. Scientific Reports, 2016, 6, 34150.	3.3	47
20	Near-Infrared Self-Powered Linearly Polarized Photodetection and Digital Incoherent Holography Using WSe₂/ReSe₂ van der Waals Heterostructure. ACS Nano, 2021, 15, 17917-17925.	14.6	46
21	High-Performance 2D MoS₂ Phototransistor for Photo Logic Gate and Image Sensor. ACS Photonics, 2018, 5, 4745-4750.	6.6	43
22	Flexible Plasmonic Color Filters Fabricated via Nanotransfer Printing with Nanoimprint-Based Planarization. ACS Applied Materials & Interfaces, 2017, 9, 27351-27356.	8.0	41
23	Junctionâ€Free Electrospun Ag Fiber Electrodes for Flexible Organic Lightâ€Emitting Diodes. Small, 2018, 14, 1702567.	10.0	41
24	Organic thin film transistors using 6,13-bis(tri-isopropylsilylethynyl)pentacene embedded into polymer binders. Applied Physics Letters, 2009, 94, 013506.	3.3	40
25	Selective photonic sintering of Ag flakes embedded in silicone elastomers to fabricate stretchable conductors. Journal of Materials Chemistry C, 2017, 5, 11733-11740.	5.5	39
26	Morphological Evolution Induced through a Heterojunction of W-Decorated NiO Nanoigloos: Synergistic Effect on High-Performance Gas Sensors. ACS Applied Materials & Interfaces, 2019, 11, 7529-7538.	8.0	39
27	Light sintering of ultra-smooth and robust silver nanowire networks embedded in poly(vinyl-butyral) for flexible OLED. Scientific Reports, 2018, 8, 14170.	3.3	37
28	PEDOT:PSS-Based Temperature-Detection Thread for Wearable Devices. Sensors, 2018, 18, 2996.	3.8	37
29	Gas Sensing performance of composite materials using conducting polymer/single-walled carbon nanotubes. Macromolecular Research, 2012, 20, 143-146.	2.4	36
30	Heterogeneous Configuration of a Ag Nanowire/Polymer Composite Structure for Selectively Stretchable Transparent Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 7505-7514.	8.0	36
31	Spin-orbit torques associated with ferrimagnetic order in Pt/GdFeCo/MgO layers. Scientific Reports, 2018, 8, 6017.	3.3	36
32	Terahertz imaging with metamaterials for biological applications. Sensors and Actuators B: Chemical, 2022, 352, 130993.	7.8	36
33	Structural and Magnetic Properties of NiZn Ferrite Nanoparticles Synthesized by a Thermal Decomposition Method. Applied Sciences (Switzerland), 2020, 10, 6279.	2.5	35
34	Flexible and Transparent Organic Phototransistors on Biodegradable Cellulose Nanofibrillated Fiber Substrates. Advanced Optical Materials, 2018, 6, 1701140.	7.3	34
35	Ionicâ€Activated Chemiresistive Gas Sensors for Roomâ€Temperature Operation. Small, 2019, 15, e1902065.	10.0	34
36	An extremely low-index photonic crystal layer for enhanced light extraction from organic light-emitting diodes. Nanoscale, 2016, 8, 4113-4120.	5.6	33

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37	A 6,13-bis(Triisopropylsilylethynyl) Pentacene Thin-Film Transistor Using a Spun-On Inorganic Gate-Dielectric. IEEE Transactions on Electron Devices, 2008, 55, 500-505.	3.0	31
38	Downsizing gas sensors based on semiconducting metal oxide: Effects of electrodes on gas sensing properties. Sensors and Actuators B: Chemical, 2017, 248, 949-956.	7.8	31
39	Light Extraction Enhancement in Flexible Organic Light-Emitting Diodes by a Light-Scattering Layer of Dewetted Ag Nanoparticles at Low Temperatures. ACS Applied Materials & Interfaces, 2018, 10, 32373-32379.	8.0	31
40	Transparent, pressure-sensitive, and healable e-skin from a UV-cured polymer comprising dynamic urea bonds. Journal of Materials Chemistry A, 2019, 7, 3101-3111.	10.3	31
41	Flexible touch sensor with finely patterned Ag nanowires buried at the surface of a colorless polyimide film. RSC Advances, 2015, 5, 42500-42505.	3.6	30
42	Carbon Nanotube-Based Triode Field Emission Lamps Using Metal Meshes With Spacers. IEEE Electron Device Letters, 2007, 28, 386-388.	3.9	28
43	Large-Area Printed Broadband Membrane Reflectors by Laser Interference Lithography. IEEE Photonics Journal, 2013, 5, 2200106-2200106.	2.0	28
44	Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. Advanced Materials Technologies, 2017, 2, 1600292.	5.8	28
45	Wearable Hand Module and Real-Time Tracking Algorithms for Measuring Finger Joint Angles of Different Hand Sizes with High Accuracy Using FBG Strain Sensor. Sensors, 2020, 20, 1921.	3.8	28
46	Extremely flexible, transparent, and strain-sensitive electroluminescent device based on ZnS:Cu-polyvinyl butyral composite and silver nanowires. Applied Surface Science, 2018, 429, 144-150.	6.1	27
47	A pressure-induced bending sensitive capacitor based on an elastomer-free, extremely thin transparent conductor. Journal of Materials Chemistry A, 2017, 5, 3221-3229.	10.3	26
48	The annealing effects of tungsten oxide interlayer based on organic photovoltaic cells. Solar Energy Materials and Solar Cells, 2013, 117, 203-208.	6.2	25
49	Enhanced efficiency of crystalline Si solar cells based on kerfless-thin wafers with nanohole arrays. Scientific Reports, 2018, 8, 3504.	3.3	25
50	Ultraâ€Facile Fabrication of Stretchable and Transparent Capacitive Sensor Employing Photoâ€Assisted Patterning of Silver Nanowire Networks. Advanced Materials Technologies, 2016, 1, 1600062.	5.8	24
51	Wide-gamut plasmonic color filters using a complementary design method. Scientific Reports, 2017, 7, 40649.	3.3	24
52	Silver Nanowire/Colorless-Polyimide Composite Electrode: Application in Flexible and Transparent Resistive Switching Memory. Scientific Reports, 2017, 7, 3438.	3.3	24
53	3D Printing of Selfâ€Wiring Conductive Ink with High Stretchability and Stackability for Customized Wearable Devices. Advanced Materials Technologies, 2019, 4, 1900363.	5.8	24
54	A Multifunction Heterojunction Formed Between Pentacene and a Singleâ€Crystal Silicon Nanomembrane. Advanced Functional Materials, 2013, 23, 3398-3403.	14.9	23

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55	Highly improved light extraction with a reduced spectrum distortion of organic light-emitting diodes composed by the sub-visible wavelength nano-scale periodic (â¯¼250nm) structure and micro-lens array. Organic Electronics, 2014, 15, 111-117.	2.6	23
56	High-Performance Quantum Dot Thin-Film Transistors with Environmentally Benign Surface Functionalization and Robust Defect Passivation. ACS Applied Materials & Interfaces, 2018, 10, 3739-3749.	8.0	23
57	Development of a Carbon Nanotube-Based Touchscreen Capable of Multi-Touch and Multi-Force Sensing. Sensors, 2015, 15, 28732-28741.	3.8	22
58	Transparent Displays Utilizing Nanopatterned Quantum Dot Films. Scientific Reports, 2018, 8, 2463.	3.3	22
59	Terahertz optical characteristics of two types of metamaterials for molecule sensing. Optics Express, 2019, 27, 19042.	3.4	22
60	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.	8.0	21
61	Simple method for fabricating scattering layer using random nanoscale rods for improving optical properties of organic light-emitting diodes. Scientific Reports, 2018, 8, 14311.	3.3	20
62	Harman Measurements for Thermoelectric Materials and Modules under Non-Adiabatic Conditions. Scientific Reports, 2016, 6, 39131.	3.3	19
63	High mobility organic transistor patterned by the shadow-mask with all structure on a plastic substrate. Journal of Materials Science, 2007, 42, 1026-1030.	3.7	18
64	Metal organic vapor phase epitaxy of BiSbTe3 films on (001) GaAs vicinal substrates. Journal of Applied Physics, 2006, 100, 123501.	2.5	17
65	Nano-arrayed OLEDs: enhanced outcoupling efficiency and suppressed efficiency roll-off. Nanoscale, 2018, 10, 19330-19337.	5.6	16
66	Enhanced analog synaptic behavior of SiNx/a-Si bilayer memristors through Ge implantation. NPG Asia Materials, 2020, 12, .	7.9	16
67	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.	2.3	15
68	Photoâ€Insensitive Amorphous Oxide Thinâ€Film Transistor Integrated with a Plasmonic Filter for Transparent Electronics. Advanced Functional Materials, 2014, 24, 3482-3487.	14.9	15
69	Optical and Electrical Analysis of Annealing Temperature of High-Molecular Weight Hole Transport Layer for Quantum-dot Light-emitting Diodes. Scientific Reports, 2019, 9, 10385.	3.3	15
70	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.	3.3	15
71	High-performance coaxial piezoelectric energy generator (C-PEG) yarn of Cu/PVDF-TrFE/PDMS/Nylon/Ag. Nanotechnology, 2021, 32, 145401.	2.6	15
72	Enhanced light extraction efficiency and viewing angle characteristics of microcavity OLEDs by using a diffusion layer. Scientific Reports, 2021, 11, 3430.	3.3	15

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73	Highly stabilized flexible transparent capacitive photodetector based on silver nanowire/graphene hybrid electrodes. Scientific Reports, 2021, 11, 10499.	3.3	15
74	Highly soluble greenâ€emitting Ir(III) complexes with 9â€(6â€phenylâ€pyridinâ€3â€ylmethyl)â€9Hâ€carbazole ligands and their application to polymer lightâ€emitting diodes. Journal of Polymer Science Part A, 2008, 46, 7419-7428.	2.3	14
75	Highâ€Speed Colloidal Quantum Dot Photodiodes via Accelerating Charge Separation at Metalâ€“Oxide Interface. Small, 2019, 15, e1900008.	10.0	14
76	Thermal degradation related to the PEDOT:PSS hole transport layer and back electrode of the flexible inverted organic photovoltaic module. Sustainable Energy and Fuels, 2020, 4, 1974-1983.	4.9	14
77	Electrical energy generated by silicone elastomers filled with nanospring-carbon-nanotubes. Journal of Materials Chemistry C, 2019, 7, 3535-3542.	5.5	13
78	Fabrication and Characterization of a Capacitive Photodetector Comprising a ZnS/Cu Particle/Poly(vinyl butyral) Composite. ACS Applied Materials & Interfaces, 2019, 11, 4416-4424.	8.0	13
79	Ag flake/silicone rubber composite with high stability and stretching speed insensitive resistance via conductive bridge formation. Scientific Reports, 2020, 10, 5036.	3.3	13
80	Green phosphorescent organic light-emitting diode exhibiting highest external quantum efficiency with ultra-thin undoped emission layer. Scientific Reports, 2021, 11, 8436.	3.3	13
81	The Effect of Noble Metals on Co Gas Sensing Properties of In2O3 Nanoparticles. Applied Sciences (Switzerland), 2021, 11, 4903.	2.5	13
82	Top-gate staggered poly(3,3â€³â€²-dialkyl-quarterthiophene) organic thin-film transistors with reverse-offset-printed silver source/drain electrodes. Applied Physics Letters, 2012, 101, 133306.	3.3	12
83	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.	3.3	12
84	Improvement of light out-coupling in organic light-emitting diodes by printed nanosized random texture layer. Organic Electronics, 2013, 14, 187-192.	2.6	12
85	Nanoshuttered OLEDs: Unveiled Invisible Auxiliary Electrode. Advanced Functional Materials, 2014, 24, 6414-6421.	14.9	12
86	Simultaneously enhanced device efficiency, stabilized chromaticity of organic light emitting diodes with lambertian emission characteristic by random convex lenses. Nanotechnology, 2016, 27, 075202.	2.6	12
87	Spin-Orbit Torque and Magnetic Damping in Tailored Ferromagnetic Bilayers. Physical Review Applied, 2018, 10, .	3.8	12
88	Sequential Improvement from Cosolvents Ink Formulation to Vacuum Annealing for Ink-Jet Printed Quantum-Dot Light-Emitting Diodes. Materials, 2020, 13, 4754.	2.9	12
89	Spin-polarized carrier injection through hybrid ferromagnetic electrode for enhanced optical efficiency of organic light-emitting diodes. Organic Electronics, 2020, 84, 105755.	2.6	12
90	Magnetic catalyst residues and their influence on the field electron emission characteristics of low temperature grown carbon nanotubes. Applied Physics Letters, 2006, 89, 083113.	3.3	11

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91	Correction of the Electrical and Thermal Extrinsic Effects in Thermoelectric Measurements by the Harman Method. Scientific Reports, 2016, 6, 26507.	3.3	11
92	Ionic-activated semiconducting gas sensors operated by piezoelectric generators at room temperature. Sensors and Actuators B: Chemical, 2021, 332, 129481.	7.8	11
93	Plasmonic Chromatic Electrode with Low Resistivity. Scientific Reports, 2017, 7, 15206.	3.3	10
94	Stretchable photodetector utilizing the change in capacitance formed in a composite film containing semiconductor particles. Composites Science and Technology, 2019, 182, 107773.	7.8	10
95	Enhanced Light Extraction from Organic Light-Emitting Diodes with Micro-Nano Hybrid Structure. Nanomaterials, 2022, 12, 1266.	4.1	10
96	Highly efficient tris(8-hydroxyquinoline) aluminum-based organic light-emitting diodes utilized by balanced energy transfer with cosensitizing fluorescent dyes. Applied Physics Letters, 2009, 95, 143305.	3.3	9
97	Analysis of Particle Movement by Dielectrophoretic Force for Reflective Electronic Display. Journal of Display Technology, 2016, 12, 747-752.	1.2	9
98	Impact of Bottom-Gate Biasing on Implant-Free Junctionless Ge-on-Insulator n-MOSFETs. IEEE Electron Device Letters, 2019, 40, 1362-1365.	3.9	9
99	Highly efficient flexible OLEDs based on double-sided nano-dimpled substrate (PVB) with embedded AgNWs and TiO2 nanoparticle for internal and external light extraction. Optical Materials, 2019, 92, 87-94.	3.6	9
100	Enhanced performance of organic photovoltaic devices by photo-crosslinkable buffer layer. Macromolecular Research, 2013, 21, 65-70.	2.4	8
101	Spectral-distortion-free light extraction from organic light-emitting diodes using nanoscale photonic crystal. Nanotechnology, 2017, 28, 045301.	2.6	8
102	Correlation of photoluminescent quantum efficiency and device characteristics for the soluble electrophosphorescent light emitter with interfacial layers. Journal of Applied Physics, 2008, 104, 024511.	2.5	7
103	Micro-pixel array of organic light-emitting diodes applying imprinting technique with a polymer replica. Applied Physics Letters, 2009, 95, 093301.	3.3	7
104	Transparent bipolar resistive switching memory on a flexible substrate with indium-zinc-oxide electrodes. Journal of the Korean Physical Society, 2016, 69, 1613-1618.	0.7	7
105	Development of high-sensitivity ambient light sensor based on cadmium sulfide-deposited surface acoustic wave sensor. Sensors and Actuators A: Physical, 2019, 293, 145-149.	4.1	7
106	Effects of Interfacial Oxidization on Magnetic Damping and Spinâ€“Orbit Torques. ACS Applied Materials & Interfaces, 2021, 13, 19414-19421.	8.0	7
107	Direct comparison with terahertz metamaterials and surface-enhanced Raman scattering in a molecular-specific sensing performance. Optics Express, 2021, 29, 12.	3.4	7
108	One-Step Combined-Nanolithography-and-Photolithography for a 2D Photonic Crystal TM Polarizer. Micromachines, 2014, 5, 228-238.	2.9	6

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109	Mechanochemical synthesis of ZnS for fabrication of transparent ceramics. Research on Chemical Intermediates, 2018, 44, 4721-4731.	2.7	6
110	Random nanohole arrays and its application to crystalline Si thin foils produced by proton induced exfoliation for solar cells. Scientific Reports, 2019, 9, 19736.	3.3	6
111	Modeling of flexible light extraction structure: Improved flexibility and optical efficiency for organic light-emitting diodes. Organic Electronics, 2020, 85, 105760.	2.6	6
112	Surface Acoustic Wave-Based Infrared Sensor With Aluminum Nitride Films Deposited. IEEE Sensors Journal, 2020, 20, 13277-13283.	4.7	6
113	Sensitive non-destructive real-time monitoring of blue OLED materials on extreme surface using terahertz near-field enhancement. Applied Surface Science, 2022, 584, 152611.	6.1	6
114	Parasitic Bipolar Junction Transistors in a Floating-Gate MOSFET for Fluorescence Detection. IEEE Electron Device Letters, 2007, 28, 581-583.	3.9	5
115	Self-assembled microarray of organic light-emitting diodes using a self-assembled monolayer by microcontact printing. Applied Physics Letters, 2009, 95, 113310.	3.3	5
116	One-eighth look-up table method for effectively generating computer-generated hologram patterns. Optical Engineering, 2014, 53, 054108.	1.0	5
117	Localized-surface-plasmon-enhanced multifunction silicon nanomembrane Schottky diodes based on Au nanoparticles. Nanotechnology, 2015, 26, 485501.	2.6	5
118	Lanthanide complexes embedded in silicone resin as a spectral converter for solar cells. Research on Chemical Intermediates, 2018, 44, 4733-4744.	2.7	5
119	Modified laserâ€fired contact process for efficient PERC solar cells. Progress in Photovoltaics: Research and Applications, 2019, 27, 1092-1103.	8.1	5
120	Design of Transparent Multicolor LED Signage with an Oxide-Metal-Oxide Interconnect Electrode. Journal of the Korean Physical Society, 2020, 77, 82-86.	0.7	5
121	Effect of Time-Dependent Characteristics of ZnO Nanoparticles Electron Transport Layer Improved by Intense-Pulsed Light Post-Treatment on Hole-Electron Injection Balance of Quantum-Dot Light-Emitting Diodes. Materials, 2020, 13, 5041.	2.9	5
122	Control of Particle Size in Flame Spray Pyrolysis of Tbâ€“doped Y2O3 for Bio-Imaging. Materials, 2020, 13, 2987.	2.9	5
123	A Simple Method for Fabricating an External Light Extraction Composite Layer with RNS to Improve the Optical Properties of OLEDs. Nanomaterials, 2022, 12, 1430.	4.1	5
124	Complex spatial light modulation capability of a dual layer in-plane switching liquid crystal panel. Scientific Reports, 2022, 12, 8277.	3.3	5
125	Scaling down of amorphous indium gallium zinc oxide thin film transistors on the polyethersulfone substrate employing the protection layer of parylene-C for the large-scale integration. Applied Physics Letters, 2010, 96, 243504.	3.3	4
126	Gas sensor for CO and NH<inf>3</inf> using polyaniline/CNTs composite at room temperature. , 2010, , .		4

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127	Dual nanotransfer printing for complementary plasmonic biosensors. Nanotechnology, 2019, 30, 385302.	2.6	4
128	Ag-fiber/graphene hybrid electrodes for highly flexible and transparent optoelectronic devices. Scientific Reports, 2020, 10, 5117.	3.3	4
129	Co-solvented solution filling and interfacial phenomena of sublimation transferred emitting layer for high-resolution OLED fabrication. APL Materials, 2021, 9, 101115.	5.1	4
130	Optimization of structured illumination microscopy with designing and rotating a grid pattern using a spatial light modulator. Optical Engineering, 2019, 58, 1.	1.0	4
131	Facile fabrication of flexible metal grid transparent electrode using inkjet-printed dot array as sacrificial layer. Scientific Reports, 2022, 12, 1572.	3.3	4
132	Flexible external light extraction in organic light-emitting diodes by porous PDMS film fabricated by high-pressure steam process. Organic Electronics, 2022, 108, 106575.	2.6	4
133	Structural Characteristics of Bi2Te3 and Sb2Te3 films on (001) GaAs Substrates grown by MOCVD. , 2006, , .		3
134	Characterization of a passivation layer comprising MgOï£¿SiO2 and ZrO2. Surface and Interface Analysis, 2007, 39, 64-68.	1.8	3
135	Syntheses and photophysical properties of new carbazole-based conjugated multi-branched molecules. Macromolecular Research, 2007, 15, 595-600.	2.4	3
136	Synthesis and Characterization of Ï€-Conjugated Multi-branched Molecules Bearing Carbazole and Phenothiazine Peripheral Groups. Molecular Crystals and Liquid Crystals, 2008, 491, 80-87.	0.9	3
137	The effect of surface treatments on the field emission characteristics of patterned carbon nanotubes on KOVAR substrate. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	3
138	Carbon-nanotube-based flexible devices using a mechanical transfer method. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2082-2086.	1.8	3
139	Flexible Nanocomposite Generator Using <scp>PZT</scp> Nanorods and Ag Nanowires. International Journal of Applied Ceramic Technology, 2016, 13, 480-486.	2.1	3
140	Extraction of Light Using Random Nanocone on Poly(vinyl-butyral) for Flexible OLEDs. Scientific Reports, 2019, 9, 12312.	3.3	3
141	Enhanced light extraction from organic light-emitting diodes using a quasi-periodic nano-structure. Nanotechnology, 2019, 30, 085302.	2.6	3
142	Self-catalytic-grown SnO x nanocones for light outcoupling enhancement in organic light-emitting diodes. Nanotechnology, 2020, 31, 135204.	2.6	3
143	Improving the optical properties of organic light-emitting diodes using random nanoscale rods with a double refractive index. Nanotechnology, 2020, 31, 335205.	2.6	3
144	Carrier-type modulation of tungsten diselenide (WSe2) field-effect transistors (FETs) via benzyl viologen (BV) doping. Chemical Physics Letters, 2021, 770, 138453.	2.6	3

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145	Analysis and simulation of reddish overshoot in active matrix organic light-emitting diode display with varying p-doped hole transport layer concentrations. Organic Electronics, 2021, 99, 106328.	2.6	3
146	Threeâ€dimensional mesostructured single crystalline Fe 3 O 4 for ultrafast electrochemical capacitor electrode with AC line filtering performance. International Journal of Energy Research, 0, , .	4.5	3
147	Phosphine-Free-Synthesized ZnSe/ZnS Core/Shell Quantum Dots for White Light-Emitting Diodes. Applied Sciences (Switzerland), 2021, 11, 10060.	2.5	3
148	Random rubbed structure for enhanced light extraction in organic light-emitting diodes. Journal of Luminescence, 2022, 243, 118670.	3.1	3
149	Cavity-dumped mode-locked Alexandrite laser oscillator with 100 mJ pulses stabilized by using a double trigger system. Optics Express, 2022, 30, 3516.	3.4	3
150	Improvement of porous polysilicon nano-structured emitter for vacuum packaged devices. Journal of Materials Science: Materials in Electronics, 2005, 16, 125-130.	2.2	2
151	Simple and sensitive method of microcantilever-based DNA detection using nanoparticles conjugates. , 2008, , .		2
152	Fabrication of 6,13â€bis(triisopropylâ€silylethynyl)â€“pentacene thinâ€film transistors with the silver ink transfer method using a polymer stamp. Physica Status Solidi - Rapid Research Letters, 2011, 5, 101-103.	2.4	2
153	Carbon nanotube field emitters on KOVAR substrate modified by random pattern. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	2
154	P-172L:Late-News Poster: Enhanced Efficiency and Low Haze in Organic Light-Emitting Diodes by Nanoscale Corrugation. Digest of Technical Papers SID International Symposium, 2015, 46, 1699-1701.	0.3	2
155	Modeling large permittivity of poly(vinylidenefluoride-co-trifluoroethylene) and nanospring single-walled carbon nanotube-polyvinylpyrrolidone nanocomposites. AIP Advances, 2018, 8, 085113.	1.3	2
156	Internal Lightâ€Extraction Layers with Different Refractive Indices for Organic Lightâ€Emitting Diodes. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800833.	1.8	2
157	Reduced Efficiency Roll-Off in Phosphorescent Organic Light-Emitting Diodes with a Double Dopant. Journal of Nanoscience and Nanotechnology, 2020, 20, 6679-6682.	0.9	2
158	Oxidationâ€resistant Cuâ€based metallisation for Si solar cells. Energy Science and Engineering, 0, , .	4.0	2
159	Air Annealing Process for Threshold Voltage Tuning of MoTe2 FET. Applied Sciences (Switzerland), 2022, 12, 3840.	2.5	2
160	High-Resolution Patterning of Organic Emitting-Layer by Using Inkjet Printing and Sublimation Transfer Process. Nanomaterials, 2022, 12, 1611.	4.1	2
161	LTPS Pixel Driving Scheme to Improve Motion Blur for AMOLED Displays. IEEE Transactions on Electron Devices, 2022, 69, 4950-4957.	3.0	2
162	Investigation of magnetic properties of Pt/CoFeB/MgO layers using angle-resolved spin-torque ferromagnetic resonance spectroscopy. Journal of Applied Physics, 2022, 131, .	2.5	2

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163	Technology development of silicon based CMOS tactile senor for robotics applications. , 2006, , .		1
164	Numerical Simulation and Thermal Failure Analysis of SOM Package. , 2007, , .		1
165	Design of a multi-walled carbon nanotubes vacuum gauge. , 2009, , .		1
166	Detection of CO and NH<inf>3</inf> mixed gas using single-walled carbon nanotubes. , 2010, , .		1
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