

Byeong-Kwon Ju

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.

202
papers

2,479
citations

27
h-index

40
g-index

233
ext. papers

2,962
ext. citations

4.7
avg. IF

5.26
L-index

#	Paper	IF	Citations
202	Facile fabrication of flexible metal grid transparent electrode using inkjet-printed dot array as sacrificial layer.. <i>Scientific Reports</i> , 2022 , 12, 1572	4.9	
201	Cavity-dumped mode-locked Alexandrite laser oscillator with 100 mJ pulses stabilized by using a double trigger system.. <i>Optics Express</i> , 2022 , 30, 3516-3523	3.3	2
200	Sensitive non-destructive real-time monitoring of blue OLED materials on extreme surface using terahertz near-field enhancement. <i>Applied Surface Science</i> , 2022 , 584, 152611	6.7	0
199	Investigating the reliability of electrically conductive adhesives for shingled photovoltaic Si modules. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 236, 111403	6.4	0
198	Random rubbed structure for enhanced light extraction in organic light-emitting diodes. <i>Journal of Luminescence</i> , 2022 , 243, 118670	3.8	2
197	Air Annealing Process for Threshold Voltage Tuning of MoTe2 FET. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3840	2.6	1
196	Complex spatial light modulation capability of a dual layer in-plane switching liquid crystal panel.. <i>Scientific Reports</i> , 2022 , 12, 8277	4.9	
195	Near-Infrared Self-Powered Linearly Polarized Photodetection and Digital Incoherent Holography Using WSe/ReSe van der Waals Heterostructure. <i>ACS Nano</i> , 2021 ,	16.7	16
194	Co-solvented solution filling and interfacial phenomena of sublimation transferred emitting layer for high-resolution OLED fabrication. <i>APL Materials</i> , 2021 , 9, 101115	5.7	0
193	Terahertz imaging with metamaterials for biological applications. <i>Sensors and Actuators B: Chemical</i> , 2021 , 352, 130993	8.5	4
192	Phosphine-Free-Synthesized ZnSe/ZnS Core/Shell Quantum Dots for White Light-Emitting Diodes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10060	2.6	0
191	Direct comparison with terahertz metamaterials and surface-enhanced Raman scattering in a molecular-specific sensing performance. <i>Optics Express</i> , 2021 , 29, 12-23	3.3	4
190	Effects of Interfacial Oxidization on Magnetic Damping and Spin-Orbit Torques. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19414-19421	9.5	0
189	Ionic-activated semiconducting gas sensors operated by piezoelectric generators at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2021 , 332, 129481	8.5	4
188	Solution process manufacture of a simple, multifunctional flexible sensor based on capacitance measurement. <i>Nanotechnology</i> , 2021 , 32, 265503	3.4	
187	Green phosphorescent organic light-emitting diode exhibiting highest external quantum efficiency with ultra-thin undoped emission layer. <i>Scientific Reports</i> , 2021 , 11, 8436	4.9	1
186	Highly stabilized flexible transparent capacitive photodetector based on silver nanowire/graphene hybrid electrodes. <i>Scientific Reports</i> , 2021 , 11, 10499	4.9	4

185	Carrier-type modulation of tungsten diselenide (WSe ₂) field-effect transistors (FETs) via benzyl viologen (BV) doping. <i>Chemical Physics Letters</i> , 2021 , 770, 138453	2.5	2
184	The Effect of Noble Metals on Co Gas Sensing Properties of In ₂ O ₃ Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4903	2.6	1
183	Understanding Excess Li Storage beyond LiC in Reduced Dimensional Scale Graphene. <i>ACS Nano</i> , 2021 , 15, 797-808	16.7	23
182	High-performance coaxial piezoelectric energy generator (C-PEG) yarn of Cu/PVDF-TrFE/PDMS/Nylon/Ag. <i>Nanotechnology</i> , 2021 , 32, 145401	3.4	9
181	Enhanced light extraction efficiency and viewing angle characteristics of microcavity OLEDs by using a diffusion layer. <i>Scientific Reports</i> , 2021 , 11, 3430	4.9	7
180	Color Tuning of 2-Color Based White Organic Light-Emitting Diodes with Undoped Ultra-Thin Emission Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 4179-4184	1.3	
179	The Effects of the Rotational Speed of the Deposition Substrate on the Morphological and Current Injection Characteristics of LiF Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 4208-4211	1.3	0
178	Emitting layer analysis of blue thermally activated delayed fluorescence devices using capacitance-voltage method. <i>Current Applied Physics</i> , 2021 , 31, 46-51	2.6	1
177	Analysis and simulation of reddish overshoot in active matrix organic light-emitting diode display with varying p-doped hole transport layer concentrations. <i>Organic Electronics</i> , 2021 , 99, 106328	3.5	0
176	Enhanced analog synaptic behavior of SiN _x /a-Si bilayer memristors through Ge implantation. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	5
175	Modeling of flexible light extraction structure: Improved flexibility and optical efficiency for organic light-emitting diodes. <i>Organic Electronics</i> , 2020 , 85, 105760	3.5	3
174	Improving the optical properties of organic light-emitting diodes using random nanoscale rods with a double refractive index. <i>Nanotechnology</i> , 2020 , 31, 335205	3.4	1
173	Surface Acoustic Wave-Based Infrared Sensor With Aluminum Nitride Films Deposited. <i>IEEE Sensors Journal</i> , 2020 , 20, 13277-13283	4	1
172	Ag flake/silicone rubber composite with high stability and stretching speed insensitive resistance via conductive bridge formation. <i>Scientific Reports</i> , 2020 , 10, 5036	4.9	6
171	Ag-fiber/graphene hybrid electrodes for highly flexible and transparent optoelectronic devices. <i>Scientific Reports</i> , 2020 , 10, 5117	4.9	2
170	Enhanced optical efficiency and color purity for organic light-emitting diodes by finely optimizing parameters of nanoscale low-refractive index grid. <i>Scientific Reports</i> , 2020 , 10, 5631	4.9	9
169	Thermal degradation related to the PEDOT:PSS hole transport layer and back electrode of the flexible inverted organic photovoltaic module. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1974-1983	5.8	7
168	Wearable Hand Module and Real-Time Tracking Algorithms for Measuring Finger Joint Angles of Different Hand Sizes with High Accuracy using FBG Strain Sensor. <i>Sensors</i> , 2020 , 20,	3.8	11

167	P-170: Green Phosphorescent Organic Light-Emitting Diodes with Ultra-thin Undoped Emission Layer of nearly 24% External Quantum Efficiency. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 2024-2026	0.5	
166	Spin-polarized carrier injection through hybrid ferromagnetic electrode for enhanced optical efficiency of organic light-emitting diodes. <i>Organic Electronics</i> , 2020 , 84, 105755	3.5	5
165	Self-catalytic-grown SnO nanocones for light outcoupling enhancement in organic light-emitting diodes. <i>Nanotechnology</i> , 2020 , 31, 135204	3.4	2
164	Structural and Magnetic Properties of NiZn Ferrite Nanoparticles Synthesized by a Thermal Decomposition Method. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6279	2.6	12
163	Design of Transparent Multicolor LED Signage with an Oxide-Metal-Oxide Interconnect Electrode. <i>Journal of the Korean Physical Society</i> , 2020 , 77, 82-86	0.6	1
162	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. <i>Materials</i> , 2020 , 13,	3.5	3
161	Control of Particle Size in Flame Spray Pyrolysis of Tb-doped YO for Bio-Imaging. <i>Materials</i> , 2020 , 13,	3.5	1
160	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	1.3	1
159	Sequential Improvement from Cosolvents Ink Formulation to Vacuum Annealing for Ink-Jet Printed Quantum-Dot Light-Emitting Diodes. <i>Materials</i> , 2020 , 13,	3.5	7
158	Extraction of Light Using Random Nanocone on Poly(vinyl-butyril) for Flexible OLEDs. <i>Scientific Reports</i> , 2019 , 9, 12312	4.9	1
157	Stretchable photodetector utilizing the change in capacitance formed in a composite film containing semiconductor particles. <i>Composites Science and Technology</i> , 2019 , 182, 107773	8.6	7
156	Chiroptical-Conjugated Polymer/Chiral Small Molecule Hybrid Thin Films for Circularly Polarized Light-Detecting Heterojunction Devices. <i>Advanced Functional Materials</i> , 2019 , 29, 1808668	15.6	37
155	Morphological Evolution Induced through a Heterojunction of W-Decorated NiO Nanogloos: Synergistic Effect on High-Performance Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7529-7538	9.5	23
154	Transparent, pressure-sensitive, and healable e-skin from a UV-cured polymer comprising dynamic urea bonds. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3101-3111	13	21
153	Dual nanotransfer printing for complementary plasmonic biosensors. <i>Nanotechnology</i> , 2019 , 30, 385302	3.4	1
152	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	1.6	1
151	P-214: Late-News Poster: Enhanced Out-coupling Efficiency of Organic Light-emitting Diodes Using a Corrugated Microcavity Structure. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1970-1972	0.5	
150	P-211: Late-News Poster: Extremely Smooth Electrospun Ag Fiber Electrodes Embedded in PVB Flexible Substrate for Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1961-1962	0.5	

149	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	1.3	1
148	Clumping Between Carbon Black and Titanium Dioxide Pigment by Water Vapor Absorption and Its Correlation with Electrophoretic Display. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 6444-6451	1.3	0
147	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	3.3	7
146	High-Speed Colloidal Quantum Dot Photodiodes via Accelerating Charge Separation at Metal-Oxide Interface. <i>Small</i> , 2019 , 15, e1900008	11	12
145	Precise control of nanoscale spacing between electrodes using different natured self-assembled monolayers. <i>Nanotechnology</i> , 2019 , 30, 265302	3.4	
144	Development of high-sensitivity ambient light sensor based on cadmium sulfide-deposited surface acoustic wave sensor. <i>Sensors and Actuators A: Physical</i> , 2019 , 293, 145-149	3.9	5
143	3D Printing of Self-Wiring Conductive Ink with High Stretchability and Stackability for Customized Wearable Devices. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900363	6.8	9
142	Impact of Bottom-Gate Biasing on Implant-Free Junctionless Ge-on-Insulator n-MOSFETs. <i>IEEE Electron Device Letters</i> , 2019 , 40, 1362-1365	4.4	7
141	Ionic-Activated Chemiresistive Gas Sensors for Room-Temperature Operation. <i>Small</i> , 2019 , 15, e1902065	11	20
140	Optical and Electrical Analysis of Annealing Temperature of High-Molecular Weight Hole Transport Layer for Quantum-dot Light-emitting Diodes. <i>Scientific Reports</i> , 2019 , 9, 10385	4.9	9
139	Modified laser-fired contact process for efficient PERC solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2019 , 27, 1092-1103	6.8	1
138	Sensors/Biosensors: Ionic-Activated Chemiresistive Gas Sensors for Room-Temperature Operation (Small 40/2019). <i>Small</i> , 2019 , 15, 1970214	11	
137	Microcavity characteristics analysis of micro-shuttered organic light-emitting diodes. <i>Thin Solid Films</i> , 2019 , 692, 137643	2.2	1
136	Terahertz optical characteristics of two types of metamaterials for molecule sensing. <i>Optics Express</i> , 2019 , 27, 19042-19049	3.3	14
135	Multi-planar imaging using the thermal lensing effect. <i>Applied Optics</i> , 2019 , 58, 5883-5891	1.7	
134	Optimization of structured illumination microscopy with designing and rotating a grid pattern using a spatial light modulator. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	1
133	Electrical energy generated by silicone elastomers filled with nanospring-carbon-nanotubes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3535-3542	7.1	10
132	Random nanohole arrays and its application to crystalline Si thin foils produced by proton induced exfoliation for solar cells. <i>Scientific Reports</i> , 2019 , 9, 19736	4.9	3

131	Heterojunction Based on Rh-Decorated WO ₃ Nanorods for Morphological Change and Gas Sensor Application Using the Transition Effect. <i>Chemistry of Materials</i> , 2019 , 31, 207-215	9.6	46
130	Fabrication and Characterization of a Capacitive Photodetector Comprising a ZnS/Cu Particle/Poly(vinyl butyral) Composite. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4416-4424	9.5	10
129	Enhanced light extraction from organic light-emitting diodes using a quasi-periodic nano-structure. <i>Nanotechnology</i> , 2019 , 30, 085302	3.4	2
128	Enhanced efficiency of crystalline Si solar cells based on kerfless-thin wafers with nanohole arrays. <i>Scientific Reports</i> , 2018 , 8, 3504	4.9	19
127	Flexible and Transparent Organic Phototransistors on Biodegradable Cellulose Nanofibrillated Fiber Substrates. <i>Advanced Optical Materials</i> , 2018 , 6, 1701140	8.1	28
126	Spin-orbit torques associated with ferrimagnetic order in Pt/GdFeCo/MgO layers. <i>Scientific Reports</i> , 2018 , 8, 6017	4.9	25
125	Lanthanide complexes embedded in silicone resin as a spectral converter for solar cells. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4733-4744	2.8	2
124	Flash-induced nanowelding of silver nanowire networks for transparent stretchable electrochromic devices. <i>Scientific Reports</i> , 2018 , 8, 2763	4.9	56
123	Transparent Displays Utilizing Nanopatterned Quantum Dot Films. <i>Scientific Reports</i> , 2018 , 8, 2463	4.9	16
122	Mechanochemical synthesis of ZnS for fabrication of transparent ceramics. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4721-4731	2.8	4
121	Junction-Free Electrospun Ag Fiber Electrodes for Flexible Organic Light-Emitting Diodes. <i>Small</i> , 2018 , 14, 1702567	11	29
120	High-Performance Quantum Dot Thin-Film Transistors with Environmentally Benign Surface Functionalization and Robust Defect Passivation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3739-3749	9.5	20
119	Modeling large permittivity of poly(vinylidene fluoride-co-trifluoroethylene) and nanospring single-walled carbon nanotube-polyvinylpyrrolidone nanocomposites. <i>AIP Advances</i> , 2018 , 8, 085113	1.5	1
118	Spin-Orbit Torque and Magnetic Damping in Tailored Ferromagnetic Bilayers. <i>Physical Review Applied</i> , 2018 , 10,	4.3	8
117	P-187: Ultra-smooth Silver Nanowires Flexible Transparent Electrode for Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1859-1861	0.5	
116	P-186: Extremely Long Length Electrospun Ag Fiber Electrodes for Flexible Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1856-1858	0.5	
115	Organic Phototransistors: Flexible and Transparent Organic Phototransistors on Biodegradable Cellulose Nanofibrillated Fiber Substrates (Advanced Optical Materials 9/2018). <i>Advanced Optical Materials</i> , 2018 , 6, 1870037	8.1	
114	Extremely flexible, transparent, and strain-sensitive electroluminescent device based on ZnS:Cu-polyvinyl butyral composite and silver nanowires. <i>Applied Surface Science</i> , 2018 , 429, 144-150	6.7	24

113	Optical Reconstruction of Full-color Optical Scanning Holography Images using an Iterative Direct Binary Search Algorithm. <i>Journal of the Korean Physical Society</i> , 2018 , 73, 1845-1848	0.6	1
112	High-Performance 2D MoS2 Phototransistor for Photo Logic Gate and Image Sensor. <i>ACS Photonics</i> , 2018 , 5, 4745-4750	6.3	26
111	Simple method for fabricating scattering layer using random nanoscale rods for improving optical properties of organic light-emitting diodes. <i>Scientific Reports</i> , 2018 , 8, 14311	4.9	13
110	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	4.9	28
109	PEDOT:PSS-Based Temperature-Detection Thread for Wearable Devices. <i>Sensors</i> , 2018 , 18,	3.8	22
108	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	9.5	19
107	Nano-arrayed OLEDs: enhanced outcoupling efficiency and suppressed efficiency roll-off. <i>Nanoscale</i> , 2018 , 10, 19330-19337	7.7	12
106	P-185: Enhanced Light Extraction of Flexible Organic Light-emitting Diodes by Ag Nanoparticles as Scattering Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1853-1855	0.5	
105	Highly Stretchable and Waterproof Electroluminescence Device Based on Superstable Stretchable Transparent Electrode. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5486-5494	9.5	48
104	Heterogeneous Configuration of a Ag Nanowire/Polymer Composite Structure for Selectively Stretchable Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7505-7514	9.5	26
103	Wide-gamut plasmonic color filters using a complementary design method. <i>Scientific Reports</i> , 2017 , 7, 40649	4.9	21
102	Downsizing gas sensors based on semiconducting metal oxide: Effects of electrodes on gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 949-956	8.5	27
101	Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600292	6.8	22
100	Silver Nanowire/Colorless-Polyimide Composite Electrode: Application in Flexible and Transparent Resistive Switching Memory. <i>Scientific Reports</i> , 2017 , 7, 3438	4.9	19
99	P-197: Enhanced Out-coupling Efficiency of Organic Light-Emitting Diodes using Nano-sized Pixel Defining Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 2006-2008	0.5	
98	P-179: Enhanced Light Extraction from Organic Light-Emitting Diodes using a Quasi-periodic Nanostructure. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1947-1948	0.5	
97	P-194: Control of the Viewing Angle Dependence by Inserting of Scattering Layer on Microcavity OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1996-1998	0.5	
96	Spectral-distortion-free light extraction from organic light-emitting diodes using nanoscale photonic crystal. <i>Nanotechnology</i> , 2017 , 28, 045301	3.4	7

95	Selective photonic sintering of Ag flakes embedded in silicone elastomers to fabricate stretchable conductors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11733-11740	7.1	28
94	P-200: Characteristics of Thin Film Passivation Processed by a Low-temperature Process LAPECVD. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 2015-2017	0.5	
93	Flexible Plasmonic Color Filters Fabricated via Nanotransfer Printing with Nanoimprint-Based Planarization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27351-27356	9.5	30
92	Plasmonic Chromatic Electrode with Low Resistivity. <i>Scientific Reports</i> , 2017 , 7, 15206	4.9	9
91	A pressure-induced bending sensitive capacitor based on an elastomer-free, extremely thin transparent conductor. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3221-3229	13	24
90	Correction of the Electrical and Thermal Extrinsic Effects in Thermoelectric Measurements by the Harman Method. <i>Scientific Reports</i> , 2016 , 6, 26507	4.9	9
89	Ultra-Facile Fabrication of Stretchable and Transparent Capacitive Sensor Employing Photo-Assisted Patterning of Silver Nanowire Networks. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600062	6.8	19
88	Silver Nanowire-IZO-Conducting Polymer Hybrids for Flexible and Transparent Conductive Electrodes for Organic Light-Emitting Diodes. <i>Scientific Reports</i> , 2016 , 6, 34150	4.9	38
87	A Light Scattering Layer for Internal Light Extraction of Organic Light-Emitting Diodes Based on Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17409-15	9.5	37
86	An extremely low-index photonic crystal layer for enhanced light extraction from organic light-emitting diodes. <i>Nanoscale</i> , 2016 , 8, 4113-20	7.7	30
85	Simultaneously enhanced device efficiency, stabilized chromaticity of organic light emitting diodes with lambertian emission characteristic by random convex lenses. <i>Nanotechnology</i> , 2016 , 27, 075202	3.4	10
84	Analysis of Particle Movement by Dielectrophoretic Force for Reflective Electronic Display. <i>Journal of Display Technology</i> , 2016 , 12, 747-752		4
83	Photoenhanced Patterning of Metal Nanowire Networks for Fabrication of Ultraflexible Transparent Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 480-9	9.5	61
82	Ultrasensitive PbS quantum-dot-sensitized InGaZnO hybrid photoinverter for near-infrared detection and imaging with high photogain. <i>NPG Asia Materials</i> , 2016 , 8, e233-e233	10.3	95
81	Polymer-Metal Composite Thin Film Microcap Packaging Technology Using Low Temperature SU-8 Bonding. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 11613-11618	1.3	1
80	P-157: Improved Light Extraction from Organic Light-Emitting Diodes using High Refractive Index Nanostructure. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 1717-1719	0.5	
79	Flexible Nanocomposite Generator Using PZT Nanorods and Ag Nanowires. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 480-486	2	3
78	P-158: Enhanced Efficiency of Organic Light-Emitting Diodes by Inserting Nanosized Dot Pattern by Laser Interference Lithography. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 1720-1721	0.5	

77	Metal/Insulator/Semiconductor Coaxial Microfibers Based on Self-Organization of Organic Semiconductor: Polymer Blend for Weavable, Fibriform Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016 , 26, 2706-2714	15.6	40
76	Transparent InP Quantum Dot Light-Emitting Diodes with ZrO ₂ Electron Transport Layer and Indium Zinc Oxide Top Electrode. <i>Advanced Functional Materials</i> , 2016 , 26, 3454-3461	15.6	71
75	Transparent bipolar resistive switching memory on a flexible substrate with indium-zinc-oxide electrodes. <i>Journal of the Korean Physical Society</i> , 2016 , 69, 1613-1618	0.6	6
74	Harman Measurements for Thermoelectric Materials and Modules under Non-Adiabatic Conditions. <i>Scientific Reports</i> , 2016 , 6, 39131	4.9	14
73	A wearable piezocapacitive pressure sensor with a single layer of silver nanowire-based elastomeric composite electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10435-10443	13	95
72	High-performance hybrid buffer layer using 1,4,5,8,9,11-hexaazatriphenylenehexacarbonitrile/molybdenum oxide in inverted top-emitting organic light-emitting diodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6047-53	9.5	17
71	Simultaneous enhancement of upconversion and downshifting luminescence via plasmonic structure. <i>Nano Letters</i> , 2015 , 15, 2491-7	11.5	53
70	Flexible touch sensor with finely patterned Ag nanowires buried at the surface of a colorless polyimide film. <i>RSC Advances</i> , 2015 , 5, 42500-42505	3.7	25
69	Optically Switchable Smart Windows with Integrated Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2015 , 5, 1401347	21.8	61
68	Carbon nanotube field emitters on KOVAR substrate modified by random pattern. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	2
67	P-137: Improved Light Extraction of Organic Light-Emitting Diodes using Embedded Nanoscale Vacuum Line Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1678-1679	0.5	
66	P-172L: Late-News Poster: Enhanced Efficiency and Low Haze in Organic Light-Emitting Diodes by Nanoscale Corrugation. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1699-1701	0.5	1
65	P-174L: Late-News Poster: Optimizing High Efficiency OLEDs Structure Based on Thermally Activated Delayed Fluorescence Emitter. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1704-1706	0.5	
64	Localized-surface-plasmon-enhanced multifunction silicon nanomembrane Schottky diodes based on Au nanoparticles. <i>Nanotechnology</i> , 2015 , 26, 485501	3.4	5
63	Development of a Carbon Nanotube-Based Touchscreen Capable of Multi-Touch and Multi-Force Sensing. <i>Sensors</i> , 2015 , 15, 28732-41	3.8	21
62	Electron beam irradiated silver nanowires for a highly transparent heater. <i>Scientific Reports</i> , 2015 , 5, 17716	4.9	40
61	Transparent Electronics: Photo-Insensitive Amorphous Oxide Thin-Film Transistor Integrated with a Plasmonic Filter for Transparent Electronics (Adv. Funct. Mater. 23/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 3481-3481	15.6	
60	P-151: Optical Efficiency Enhancement of Organic Light-Emitting Diode Based on a Nano-Sized Stripe Auxiliary Electrode. <i>Digest of Technical Papers SID International Symposium</i> , 2014 , 45, 1551-1553	0.5	

59	Nanoshuttered OLEDs: Unveiled Invisible Auxiliary Electrode. <i>Advanced Functional Materials</i> , 2014 , 24, 6414-6421	15.6	12
58	Highly improved light extraction with a reduced spectrum distortion of organic light-emitting diodes composed by the sub-visible wavelength nano-scale periodic (~250 nm) structure and micro-lens array. <i>Organic Electronics</i> , 2014 , 15, 111-117	3.5	22
57	One-Step Combined-Nanolithography-and-Photolithography for a 2D Photonic Crystal TM Polarizer. <i>Micromachines</i> , 2014 , 5, 228-238	3.3	3
56	P-146: Enhancing Light Extraction with a Reduced Spectrum Distortion of Organic Light-Emitting Diodes by Employing Nano-Scale Periodic Structure. <i>Digest of Technical Papers SID International Symposium</i> , 2014 , 45, 1533-1535	0.5	1
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