Jun Hee Choi

List of Publications by Year
in descending order

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27	612	623734	580821
papers	citations	14 h-index	25 g-index

27	27	27	1006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nearly single-crystalline GaN light-emitting diodes on amorphous glass substrates. Nature Photonics, 2011, 5, 763-769.	31.4	156
2	Electrically driven mid-submicrometre pixelation of InGaN micro-light-emitting diode displays for augmented-reality glasses. Nature Photonics, 2021, 15, 449-455.	31.4	91
3	Carbon nanotube field emitter arrays having an electron beam focusing structure. Applied Physics Letters, 2004, 84, 1022-1024.	3.3	35
4	Fully Flexible GaN Lightâ€Emitting Diodes through Nanovoidâ€Mediated Transfer. Advanced Optical Materials, 2014, 2, 267-274.	7.3	35
5	Templateâ€Directed Directionally Solidified 3D Mesostructured AgClâ€“KCl Eutectic Photonic Crystals. Advanced Materials, 2015, 27, 4551-4559.	21.0	28
6	Heteroepitaxial Growth of GaN on Unconventional Templates and Layerâ€Transfer Techniques for Largeâ€Area, Flexible/Stretchable Lightâ€Emitting Diodes. Advanced Optical Materials, 2016, 4, 505-521.	7.3	27
7	Structural degradation mechanism of multiwalled carbon nanotubes in electrically treated field emission. Applied Physics Letters, 2010, 96, .	3.3	25
8	Optical Arrays: Graphene/Carbon Nanotube Hybrid-Based Transparent 2D Optical Array (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	21.0	25
9	Optimization of Electron Beam Focusing for Gated Carbon Nanotube Field Emitter Arrays. IEEE Transactions on Electron Devices, 2005, 52, 2584-2590.	3.0	24
10	GaN light-emitting diodes on glass substrates with enhanced electroluminescence. Journal of Materials Chemistry, 2012, 22, 22942.	6.7	24
11	Electrical percolation thresholds of semiconducting single-walled carbon nanotube networks in field-effect transistors. Physical Chemistry Chemical Physics, 2015, 17, 6874-6880.	2.8	20
12	Epitaxial Growth of Three-Dimensionally Mesostructured Single-Crystalline Cu₂O via Templated Electrodeposition. Chemistry of Materials, 2014, 26, 7051-7058.	6.7	17
13	Exciton Recombination, Energy-, and Charge Transfer in Single- and Multilayer Quantum-Dot Films on Silver Plasmonic Resonators. Scientific Reports, 2016, 6, 26204.	3.3	16
14	ZnO nanostructures with controlled morphologies on a glass substrate. Nanotechnology, 2010, 21, 265603.	2.6	14
15	Selective formation of GaN-based nanorod heterostructures on soda-lime glass substrates by a local heating method. Nanotechnology, 2011, 22, 205602.	2.6	14
16	Selective Formation of Carbon Nanotubes and Its Application to Field-Emitter Arrays. IEEE Electron Device Letters, 2009, 30, 709-711.	3.9	8
17	Frequency shifts in two-level ultra-deep reactive ion etched slow-wave structures for 0.1â€‰THz backward-wave oscillations. Applied Physics Letters, 2012, 101, 073508.	3.3	8
18	Improvement of Field-Emission Characteristics of Carbon Nanotubes by Post Electrical Treatment. IEEE Transactions on Electron Devices, 2007, 54, 2392-2402.	3.0	7

#	Article	IF	Citations
19	Nearly Perfect Polycrystalline, Large-Grained Silicon Arrays Formed at Low-Temperature Ambient by Local Pyrolysis. Crystal Growth and Design, 2012, 12, 2472-2477.	3.0	7
20	Local Crystallization of ${m LaB}_{6}$ Yielding Compact, Strong Thermionic Electron Emission Source. IEEE Electron Device Letters, 2013, 34, 1322-1324.	3.9	6
21	Dispersion retrieval from multi-level ultra-deep reactive-ion-etched microstructures for terahertz slow-wave circuits. Applied Physics Letters, 2014, 104, .	3.3	6
22	Formation of 10-Î¼m-level patterned organic thin film using microthermal evaporation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 021016.	1.2	5
23	Electrical percolation characteristics of metallic single-walled carbon nanotube networks by vacancy evolution. Physical Chemistry Chemical Physics, 2014, 16, 18370.	2.8	4
24	Experimental observation of sub-terahertz backward-wave amplification in a multi-level microfabricated slow-wave circuit. Applied Physics Letters, 2015, 107, .	3.3	4
25	Controlled Vacuum Breakdown in Carbon Nanotube Field Emission. IEEE Nanotechnology Magazine, 2007, 6, 727-733.	2.0	3
26	Electrically Driven Diffraction Grating Designed for Visible-Wavelength Region. IEEE Electron Device Letters, 2013, 34, 84-86.	3.9	3
27	Electrically tunable diffraction grating. Proceedings of SPIE, 2013, , .	0.8	0