# 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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Experimental observation of sub-terahertz backward-wave amplification in a multi-level microfabricated slow-wave circuit. Applied Physics Letters, 2015, 107, . | 3.3 | 4 |
| 5 | Templateâ€Directed Directionally Solidified 3D Mesostructured AgClâ€“KCl Eutectic Photonic Crystals. Advanced Materials, 2015, 27, 4551-4559. | 21.0 | 28 |
| 6 | 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 |
| 7 | Epitaxial Growth of Three-Dimensionally Mesostructured Single-Crystalline Cu<sub>2</sub>O via Templated Electrodeposition. Chemistry of Materials, 2014, 26, 7051-7058. | 6.7 | 17 |
| 8 | Fully Flexible GaN Lightâ€Emitting Diodes through Nanovoidâ€Mediated Transfer. Advanced Optical Materials, 2014, 2, 267-274. | 7.3 | 35 |
| 9 | Electrical percolation characteristics of metallic single-walled carbon nanotube networks by vacancy evolution. Physical Chemistry Chemical Physics, 2014, 16, 18370. | 2.8 | 4 |
| 10 | Dispersion retrieval from multi-level ultra-deep reactive-ion-etched microstructures for terahertz slow-wave circuits. Applied Physics Letters, 2014, 104, . | 3.3 | 6 |
| 11 | Electrically tunable diffraction grating. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 12 | Local Crystallization of ${m LaB}_{6}$ Yielding Compact, Strong Thermionic Electron Emission Source. IEEE Electron Device Letters, 2013, 34, 1322-1324. | 3.9 | 6 |
| 13 | Electrically Driven Diffraction Grating Designed for Visible-Wavelength Region. IEEE Electron Device Letters, 2013, 34, 84-86. | 3.9 | 3 |
| 14 | 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 |
| 15 | GaN light-emitting diodes on glass substrates with enhanced electroluminescence. Journal of Materials Chemistry, 2012, 22, 22942. | 6.7 | 24 |
| 16 | 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 |
| 17 | Nearly single-crystalline GaN light-emitting diodes on amorphous glass substrates. Nature Photonics, 2011, 5, 763-769. | 31.4 | 156 |
| 18 | Optical Arrays: Graphene/Carbon Nanotube Hybrid-Based Transparent 2D Optical Array (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 21.0 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Selective formation of GaN-based nanorod heterostructures on soda-lime glass substrates by a local heating method. Nanotechnology, 2011, 22, 205602. | 2.6 | 14 |
| 21 | Structural degradation mechanism of multiwalled carbon nanotubes in electrically treated field emission. Applied Physics Letters, 2010, 96, . | 3.3 | 25 |
| 22 | ZnO nanostructures with controlled morphologies on a glass substrate. Nanotechnology, 2010, 21, 265603. | 2.6 | 14 |
| 23 | Selective Formation of Carbon Nanotubes and Its Application to Field-Emitter Arrays. IEEE Electron Device Letters, 2009, 30, 709-711. | 3.9 | 8 |
| 24 | Controlled Vacuum Breakdown in Carbon Nanotube Field Emission. IEEE Nanotechnology Magazine, 2007, 6, 727-733. | 2.0 | 3 |
| 25 | Improvement of Field-Emission Characteristics of Carbon Nanotubes by Post Electrical Treatment. IEEE Transactions on Electron Devices, 2007, 54, 2392-2402. | 3.0 | 7 |
| 26 | Optimization of Electron Beam Focusing for Gated Carbon Nanotube Field Emitter Arrays. IEEE Transactions on Electron Devices, 2005, 52, 2584-2590. | 3.0 | 24 |
| 27 | Carbon nanotube field emitter arrays having an electron beam focusing structure. Applied Physics Letters, 2004, 84, 1022-1024. | 3.3 | 35 |