

Chih-Chung C C Yang

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|--------------------|-------------------------|---------------|-----------------|
| 258 papers | 4,656 citations | 38 h-index | 55 g-index |
| 303 ext. papers | 5,232 ext. citations | 3 avg, IF | 5.07 L-index |

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 258 | Dependence of composition fluctuation on indium content in InGa _N /Ga _N multiple quantum wells. <i>Applied Physics Letters</i> , 2000 , 77, 2988-2990 | 3.4 | 196 |
| 257 | Localized surface plasmon-induced emission enhancement of a green light-emitting diode. <i>Nanotechnology</i> , 2008 , 19, 345201 | 3.4 | 144 |
| 256 | Surface plasmon coupling effect in an InGa _N /Ga _N single-quantum-well light-emitting diode. <i>Applied Physics Letters</i> , 2007 , 91, 171103 | 3.4 | 109 |
| 255 | Ultrasonic spray pyrolysis for nanoparticles synthesis. <i>Journal of Materials Science</i> , 2004 , 39, 3647-3657 | 4.3 | 98 |
| 254 | Effective indicators for diagnosis of oral cancer using optical coherence tomography. <i>Optics Express</i> , 2008 , 16, 15847-62 | 3.3 | 93 |
| 253 | Strain relaxation and quantum confinement in InGa _N /Ga _N nanoposts. <i>Nanotechnology</i> , 2006 , 17, 1454-1458 | 3.4 | 92 |
| 252 | Impact of localized states on the recombination dynamics in InGa _N /Ga _N quantum well structures. <i>Journal of Applied Physics</i> , 2002 , 92, 4441-4448 | 2.5 | 91 |
| 251 | Quasiregular quantum-dot-like structure formation with postgrowth thermal annealing of InGa _N /Ga _N quantum wells. <i>Applied Physics Letters</i> , 2002 , 80, 2571-2573 | 3.4 | 72 |
| 250 | Exciton hopping in In _x Ga _{1-x} N multiple quantum wells. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 71 |
| 249 | Polarized light propagation through scattering media: time-resolved Monte Carlo simulations and experiments. <i>Journal of Biomedical Optics</i> , 2003 , 8, 608-17 | 3.5 | 69 |
| 248 | Phosphor-free white-light light-emitting diode of weakly carrier-density-dependent spectrum with prestrained growth of InGa _N /Ga _N quantum wells. <i>Applied Physics Letters</i> , 2007 , 90, 151122 | 3.4 | 64 |
| 247 | Nonlinear refractive-index and two photon-absorption near half the band gap in AlGaAs. <i>Applied Physics Letters</i> , 1993 , 62, 2465-2467 | 3.4 | 64 |
| 246 | Differentiating oral lesions in different carcinogenesis stages with optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2009 , 14, 044028 | 3.5 | 61 |
| 245 | Absorption enhancement of an amorphous Si solar cell through surface plasmon-induced scattering with metal nanoparticles. <i>Optics Express</i> , 2010 , 18 Suppl 2, A207-20 | 3.3 | 58 |
| 244 | Enhanced and partially polarized output of a light-emitting diode with its InGa _N /Ga _N quantum well coupled with surface plasmons on a metal grating. <i>Applied Physics Letters</i> , 2008 , 93, 231111 | 3.4 | 55 |
| 243 | Emission characteristics of organic light-emitting diodes and organic thin-films with planar and corrugated structures. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 1527-45 | 6.3 | 53 |
| 242 | Enhancing InGa _N -based solar cell efficiency through localized surface plasmon interaction by embedding Ag nanoparticles in the absorbing layer. <i>Optics Express</i> , 2010 , 18, 2682-94 | 3.3 | 53 |

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| 241 | Nanostructures and carrier localization behaviors of green-luminescence InGaN/GaN quantum-well structures of various silicon-doping conditions. <i>Applied Physics Letters</i> , 2004 , 84, 2506-2508 | 3-4 | 53 |
| 240 | Reduction in the efficiency droop effect of a light-emitting diode through surface plasmon coupling. <i>Applied Physics Letters</i> , 2010 , 96, 261104 | 3-4 | 52 |
| 239 | Impact of high-order surface plasmon modes of metal nanoparticles on enhancement of optical emission. <i>Applied Physics Letters</i> , 2009 , 95, 171103 | 3-4 | 51 |
| 238 | Generating fuzzy membership function with self-organizing feature map. <i>Pattern Recognition Letters</i> , 2006 , 27, 356-365 | 4-7 | 50 |
| 237 | Diagnosis of oral precancer with optical coherence tomography. <i>Biomedical Optics Express</i> , 2012 , 3, 1632-1646 | 3-5 | 49 |
| 236 | Surface plasmon coupled light-emitting diode with metal protrusions into p-GaN. <i>Applied Physics Letters</i> , 2013 , 102, 041108 | 3-4 | 48 |
| 235 | Coalescence overgrowth of GaN nanocolumns on sapphire with patterned metal organic vapor phase epitaxy. <i>Journal of Applied Physics</i> , 2009 , 105, 023501 | 2-5 | 47 |
| 234 | Prestrained effect on the emission properties of InGaN/GaN quantum-well structures. <i>Applied Physics Letters</i> , 2006 , 89, 051913 | 3-4 | 47 |
| 233 | Surface plasmon coupling with radiating dipole for enhancing the emission efficiency of a light-emitting diode. <i>Optics Express</i> , 2011 , 19 Suppl 4, A914-29 | 3-3 | 46 |
| 232 | Measurement of the hemoglobin oxygen saturation level with spectroscopic spectral-domain optical coherence tomography. <i>Optics Letters</i> , 2008 , 33, 416-8 | 3 | 46 |
| 231 | Reduced injection current induced blueshift in an InGaN/GaN quantum-well light-emitting diode of prestrained growth. <i>Applied Physics Letters</i> , 2007 , 91, 051121 | 3-4 | 46 |
| 230 | The Use of Optical Coherence Tomography for Monitoring the Subsurface Morphologies of Archaic Jades. <i>Archaeometry</i> , 2004 , 46, 171-182 | 1-6 | 45 |
| 229 | Improvement of External Extraction Efficiency in GaN-Based LEDs by SiO_2 Nanosphere Lithography. <i>IEEE Electron Device Letters</i> , 2008 , 29, 658-660 | 4-4 | 44 |
| 228 | Temperature-dependent exciton dynamics in a ZnO thin film. <i>Applied Physics Letters</i> , 2005 , 87, 252117 | 3-4 | 43 |
| 227 | Enhanced efficiency and reduced spectral shift of green light-emitting-diode epitaxial structure with prestrained growth. <i>Journal of Applied Physics</i> , 2008 , 104, 123106 | 2-5 | 41 |
| 226 | Delineation of an oral cancer lesion with swept-source optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044012 | 3-5 | 40 |
| 225 | Formation of various metal nanostructures with thermal annealing to control the effective coupling energy between a surface plasmon and an InGaN/GaN quantum well. <i>Nanotechnology</i> , 2007 , 18, 265402 | 3-4 | 40 |
| 224 | Geometry and composition comparisons between c-plane disc-like and m-plane core-shell InGaN/GaN quantum wells in a nitride nanorod. <i>Optics Express</i> , 2012 , 20, 15859-71 | 3-3 | 39 |

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| 223 | Multiple-component photoluminescence decay caused by carrier transport in InGaN/GaN multiple quantum wells with indium aggregation structures. <i>Applied Physics Letters</i> , 2002 , 80, 4375-4377 | 3-4 | 39 |
| 222 | Threading dislocation evolution in patterned GaN nanocolumn growth and coalescence overgrowth. <i>Journal of Applied Physics</i> , 2009 , 106, 023521 | 2-5 | 38 |
| 221 | Landmine detection and classification with complex-valued hybrid neural network using scattering parameters dataset. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 743-53 | | 38 |
| 220 | Efficiency improvement of a vertical light-emitting diode through surface plasmon coupling and grating scattering. <i>Optics Express</i> , 2014 , 22 Suppl 3, A842-56 | 3-3 | 37 |
| 219 | Residual thermal strain in thick GaN epilayers revealed by cross-sectional Raman scattering and cathodoluminescence spectra. <i>Semiconductor Science and Technology</i> , 2007 , 22, 896-899 | 1-8 | 37 |
| 218 | Temperature dependence of the surface plasmon coupling with an InGaN/GaN quantum well. <i>Applied Physics Letters</i> , 2007 , 90, 193103 | 3-4 | 37 |
| 217 | Phosphor-Free Monolithic White-Light LED. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 1210-1217 | 3-8 | 35 |
| 216 | Influence of the quantum-confined Stark effect in an InGaN/GaN quantum well on its coupling with surface plasmon for light emission enhancement. <i>Applied Physics Letters</i> , 2007 , 90, 183114 | 3-4 | 35 |
| 215 | Cluster size and composition variations in yellow and red light-emitting InGaN thin films upon thermal annealing. <i>Journal of Applied Physics</i> , 2004 , 95, 5388-5396 | 2-5 | 35 |
| 214 | Further reduction of efficiency droop effect by adding a lower-index dielectric interlayer in a surface plasmon coupled blue light-emitting diode with surface metal nanoparticles. <i>Applied Physics Letters</i> , 2014 , 105, 101106 | 3-4 | 34 |
| 213 | Dependence of resonant coupling between surface plasmons and an InGaN quantum well on metallic structure. <i>Applied Physics Letters</i> , 2006 , 89, 203113 | 3-4 | 34 |
| 212 | Cross-sectional sizes and emission wavelengths of regularly patterned GaN and core-shell InGaN/GaN quantum-well nanorod arrays. <i>Journal of Applied Physics</i> , 2013 , 113, 054315 | 2-5 | 33 |
| 211 | Combination of photothermal and photodynamic inactivation of cancer cells through surface plasmon resonance of a gold nanoring. <i>Nanotechnology</i> , 2016 , 27, 115102 | 3-4 | 32 |
| 210 | Fabrication of sphere-like Au nanoparticles on substrate with laser irradiation and their polarized localized surface plasmon behaviors. <i>Optics Express</i> , 2009 , 17, 14186-98 | 3-3 | 32 |
| 209 | Quantum-well-width dependencies of postgrowth thermal annealing effects of InGaN/GaN quantum wells. <i>Journal of Applied Physics</i> , 2003 , 93, 9693-9696 | 2-5 | 32 |
| 208 | Diagnosis of oral submucous fibrosis with optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2009 , 14, 054008 | 3-5 | 31 |
| 207 | Excitation power dynamics of photoluminescence in InGaN/GaN quantum wells with enhanced carrier localization. <i>Journal of Applied Physics</i> , 2005 , 97, 013525 | 2-5 | 31 |
| 206 | Light-emitting device with regularly patterned growth of an InGaN/GaN quantum-well nanorod light-emitting diode array. <i>Optics Letters</i> , 2013 , 38, 3370-3 | 3 | 30 |

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| 205 | Improving emission enhancement in surface plasmon coupling with an InGa _N /Ga _N quantum well by inserting a dielectric layer of low refractive index between metal and semiconductor. <i>Applied Physics Letters</i> , 2009 , 94, 233113 | 3.4 | 30 |
| 204 | Modulation behaviors of surface plasmon coupled light-emitting diode. <i>Optics Express</i> , 2015 , 23, 8150-6133 | 3.3 | 28 |
| 203 | Au nanorings for enhancing absorption and backscattering monitored with optical coherence tomography. <i>Nanotechnology</i> , 2010 , 21, 295102 | 3.4 | 28 |
| 202 | Polarization dependent coupling of surface plasmon on a one-dimensional Ag grating with an InGa _N /Ga _N dual-quantum-well structure. <i>Applied Physics Letters</i> , 2008 , 92, 013108 | 3.4 | 28 |
| 201 | White-light light-emitting device based on surface plasmon-enhanced CdSe/ZnS nanocrystal wavelength conversion on a blue/green two-color light-emitting diode. <i>Applied Physics Letters</i> , 2008 , 92, 091112 | 3.4 | 28 |
| 200 | Surface plasmon coupling with a radiating dipole near a Ag nanoparticle embedded in Ga _N . <i>Applied Physics Letters</i> , 2013 , 102, 161103 | 3.4 | 27 |
| 199 | Surface plasmon effects in the absorption enhancements of amorphous silicon solar cells with periodical metal nanowall and nanopillar structures. <i>Optics Express</i> , 2012 , 20, A104-18 | 3.3 | 27 |
| 198 | Bio-Plasmonics: Nano/micro Structure of Surface Plasmon Resonance Devices for Biomedicine. <i>Optical and Quantum Electronics</i> , 2005 , 37, 1423-1437 | 2.4 | 27 |
| 197 | Effects of the intermediate SiO ₂ layer on polarized output of a light-emitting diode with surface plasmon coupling. <i>Journal of Applied Physics</i> , 2010 , 108, 113101 | 2.5 | 26 |
| 196 | Regularly patterned non-polar InGa _N /Ga _N quantum-well nanorod light-emitting diode array. <i>Optics Express</i> , 2014 , 22 Suppl 7, A1799-809 | 3.3 | 25 |
| 195 | Enhancements of the emission and light extraction of a radiating dipole coupled with localized surface plasmon induced on a surface metal nanoparticle in a light-emitting device. <i>Optics Express</i> , 2014 , 22 Suppl 1, A155-66 | 3.3 | 25 |
| 194 | Crystallinity Improvement of ZnO Thin Film on Different Buffer Layers Grown by MBE. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7 | 3.2 | 25 |
| 193 | Orange-Red Light-Emitting Diodes Based on a Prestrained InGa _N /Ga _N Quantum-Well Epitaxy Structure. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2269-2271 | 2.2 | 25 |
| 192 | Differentiating the contributions between localized surface plasmon and surface plasmon polariton on a one-dimensional metal grating in coupling with a light emitter. <i>Applied Physics Letters</i> , 2008 , 92, 133115 | 3.4 | 24 |
| 191 | Chronic leg ulcers in Werner's syndrome. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2004 , 57, 86-8 | | 24 |
| 190 | Characterizing the localized surface plasmon resonance behaviors of Au nanorings and tracking their diffusion in bio-tissue with optical coherence tomography. <i>Biomedical Optics Express</i> , 2010 , 1, 1060-1073 | 3.5 | 23 |
| 189 | Thermal annealing effects on an InGa _N film with an average indium mole fraction of 0.31. <i>Applied Physics Letters</i> , 2003 , 83, 3906-3908 | 3.4 | 23 |
| 188 | Dependencies of surface plasmon coupling effects on the p-Ga _N thickness of a thin-p-type light-emitting diode. <i>Optics Express</i> , 2017 , 25, 21526-21536 | 3.3 | 22 |

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| 187 | Fabrication of surface metal nanoparticles and their induced surface plasmon coupling with subsurface InGaN/GaN quantum wells. <i>Nanotechnology</i> , 2011 , 22, 475201 | 3.4 | 22 |
| 186 | Growth of Highly Conductive Ga-Doped ZnO Nanoneedles. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10525-33 | 9.5 | 21 |
| 185 | Surface-plasmon-coupled emission enhancement of a quantum well with a metal nanoparticle embedded in a light-emitting diode. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2599 | 1.7 | 21 |
| 184 | A GaN photonic crystal membrane laser. <i>Nanotechnology</i> , 2011 , 22, 025201 | 3.4 | 21 |
| 183 | High-phase-purity zinc-blende InN on r-plane sapphire substrate with controlled nitridation pretreatment. <i>Applied Physics Letters</i> , 2008 , 92, 111914 | 3.4 | 21 |
| 182 | Electromagnetic modeling of organic light-emitting devices. <i>Journal of Lightwave Technology</i> , 2006 , 24, 2450-2457 | 4 | 21 |
| 181 | Visfatin regulates genes related to lipid metabolism in porcine adipocytes. <i>Journal of Animal Science</i> , 2010 , 88, 3233-41 | 0.7 | 20 |
| 180 | Nitride Nanocolumns for the Development of Light-Emitting Diode. <i>IEEE Transactions on Electron Devices</i> , 2010 , 57, 71-78 | 2.9 | 20 |
| 179 | Carrier relaxation in InGaN/GaN quantum wells with nanometer-scale cluster structures. <i>Applied Physics Letters</i> , 2004 , 85, 1371-1373 | 3.4 | 20 |
| 178 | Numerical study on surface plasmon polariton behaviors in periodic metal-dielectric structures using a plane-wave-assisted boundary integral-equation method. <i>Optics Express</i> , 2007 , 15, 9048-62 | 3.3 | 19 |
| 177 | Improved a-plane GaN quality grown with flow modulation epitaxy and epitaxial lateral overgrowth on r-plane sapphire substrate. <i>Applied Physics Letters</i> , 2008 , 92, 231902 | 3.4 | 18 |
| 176 | Dependencies of the emission behavior and quantum well structure of a regularly-patterned, InGaN/GaN quantum-well nanorod array on growth condition. <i>Optics Express</i> , 2014 , 22, 17303-19 | 3.3 | 17 |
| 175 | Myocardial tissue characterization based on a polarization-sensitive optical coherence tomography system with an ultrashort pulsed laser. <i>Journal of Biomedical Optics</i> , 2006 , 11, 054016 | 3.5 | 17 |
| 174 | Comparison of nanostructure characteristics of ZnO grown on GaN and sapphire. <i>Journal of Applied Physics</i> , 2006 , 99, 054301 | 2.5 | 17 |
| 173 | Multi-section core-shell InGaN/GaN quantum-well nanorod light-emitting diode array. <i>Optics Express</i> , 2015 , 23, 21919-30 | 3.3 | 16 |
| 172 | Vertical light-emitting diodes with surface gratings and rough surfaces for effective light extraction. <i>Optics Express</i> , 2013 , 21, 17686-94 | 3.3 | 16 |
| 171 | X-ray diffraction study on an InGaN/GaN quantum-well structure of prestrained growth. <i>Journal of Applied Physics</i> , 2007 , 101, 113503 | 2.5 | 16 |
| 170 | Surface plasmon leakage in its coupling with an InGaN/GaN quantum well through an Ohmic contact. <i>Applied Physics Letters</i> , 2007 , 91, 063121 | 3.4 | 16 |

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| 169 | Emission enhancement behaviors in the coupling between surface plasmon polariton on a one-dimensional metallic grating and a light emitter. <i>Applied Physics Letters</i> , 2007 , 91, 233104 | 3.4 | 16 |
| 168 | Resolution improvement with dispersion manipulation and a retrieval algorithm in optical coherence tomography. <i>Applied Optics</i> , 2003 , 42, 227-34 | 1.7 | 16 |
| 167 | Effects of overgrown p-layer on the emission characteristics of the InGaN/GaN quantum wells in a high-indium light-emitting diode. <i>Optics Express</i> , 2012 , 20, 11321-35 | 3.3 | 15 |
| 166 | Dependence of spectral behavior in an InGaN/GaN quantum-well light-emitting diode on the prestrained barrier thickness. <i>Journal of Applied Physics</i> , 2008 , 104, 043108 | 2.5 | 15 |
| 165 | Epitaxial overgrowth of GaN nanocolumns. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 964 | | 15 |
| 164 | Improvements of InGaN/GaN quantum-well interfaces and radiative efficiency with InN interfacial layers. <i>Applied Physics Letters</i> , 2004 , 84, 5422-5424 | 3.4 | 15 |
| 163 | Strong green luminescence in quaternary InAlGaIn thin films. <i>Applied Physics Letters</i> , 2003 , 82, 1377-1379 | 3.4 | 15 |
| 162 | Analysis of phase-matching conditions in flexural-wave modulated fiber Bragg grating. <i>Journal of Lightwave Technology</i> , 2002 , 20, 311-315 | 4 | 15 |
| 161 | Light Extraction Enhancement of a GaN-Based Light-Emitting Diode Through Grating-Patterned Photoelectrochemical Surface Etching With Phase Mask Interferometry. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 640-642 | 2.2 | 14 |
| 160 | High Modulation Bandwidth of a Light-Emitting Diode With Surface Plasmon Coupling. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 3989-3995 | 2.9 | 14 |
| 159 | Direct observation of conduction band plasmons and the related Burstein-Moss shift in highly doped semiconductors: A STEM-EELS study of Ga-doped ZnO. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 14 |
| 158 | Efficiency enhancement of light color conversion through surface plasmon coupling. <i>Optics Express</i> , 2018 , 26, 23629-23640 | 3.3 | 14 |
| 157 | Cancer cell uptake behavior of Au nanoring and its localized surface plasmon resonance induced cell inactivation. <i>Nanotechnology</i> , 2015 , 26, 075102 | 3.4 | 13 |
| 156 | Photothermal optical coherence tomography based on the localized surface plasmon resonance of Au nanoring. <i>Optics Express</i> , 2014 , 22, 11754-69 | 3.3 | 13 |
| 155 | On-substrate fabrication of a bio-conjugated Au nanoring solution for photothermal therapy application. <i>Nanotechnology</i> , 2013 , 24, 065102 | 3.4 | 13 |
| 154 | Mechanisms for photon-emission enhancement with silicon doping in InGaN/GaN quantum-well structures. <i>Journal of Electronic Materials</i> , 2003 , 32, 375-381 | 1.9 | 13 |
| 153 | Stimulated emission study of InGaN/GaN multiple quantum well structures. <i>Applied Physics Letters</i> , 2000 , 76, 318-320 | 3.4 | 13 |
| 152 | Photoelectrochemical Lift-off of Patterned Sapphire Substrate for Fabricating Vertical Light-Emitting Diode. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1775-1777 | 2.2 | 12 |

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| 151 | Microvascular Imaging Using Swept-Source Optical Coherence Tomography with Single-Channel Acquisition. <i>Applied Physics Express</i> , 2011 , 4, 097001 | 2.4 | 12 |
| 150 | Numerical Study on Quantum Efficiency Enhancement of a Light-Emitting Diode Based on Surface Plasmon Coupling With a Quantum Well. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1339-1341 | 2.2 | 12 |
| 149 | Carrier trapping effects on photoluminescence decay time in InGa _{0.5} N _{0.5} GaN quantum wells with nanocluster structures. <i>Journal of Applied Physics</i> , 2007 , 101, 063511 | 2.5 | 12 |
| 148 | Enhanced photoluminescence excitation in surface plasmon coupling with an InGa _{0.5} N _{0.5} GaN quantum well. <i>Applied Physics Letters</i> , 2007 , 91, 183107 | 3.4 | 12 |
| 147 | Carrier capture times of the localized states in an InGa _{0.5} N _{0.5} thin film with indium-rich nanocluster structures. <i>Applied Physics Letters</i> , 2006 , 89, 011906 | 3.4 | 12 |
| 146 | Determination of cation exchange capacity by one-step soil leaching column method. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 2359-2372 | 1.5 | 12 |
| 145 | Surface plasmon coupling for suppressing p-GaN absorption and TM-polarized emission in a deep-UV light-emitting diode. <i>Optics Letters</i> , 2015 , 40, 4229-32 | 3 | 11 |
| 144 | Evaluating the blue-shift behaviors of the surface plasmon coupling of an embedded light emitter with a surface Ag nanoparticle by adding a dielectric interlayer or coating. <i>Optics Express</i> , 2015 , 23, 30709-20 | 3.3 | 11 |
| 143 | Thermal Annealing Effects on the Performance of a Ga-Doped ZnO Transparent-Conductor Layer in a Light-Emitting Diode. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 3742-3749 | 2.9 | 11 |
| 142 | Direct writing of silicon gratings with highly coherent ultraviolet laser. <i>Applied Physics Letters</i> , 1997 , 71, 2442-2444 | 3.4 | 11 |
| 141 | Mesa-size-dependent color contrast in flip-chip blue/green two-color InGa _{0.5} N _{0.5} GaN multi-quantum-well micro-light-emitting diodes. <i>Applied Physics Letters</i> , 2006 , 89, 093501 | 3.4 | 11 |
| 140 | Coalescence overgrowth of GaN nano-columns with metalorganic chemical vapor deposition. <i>Nanotechnology</i> , 2007 , 18, 445601 | 3.4 | 11 |
| 139 | Polarization gating in ultrafast-optics imaging of skeletal muscle tissues. <i>Optics Letters</i> , 2001 , 26, 432-4 | 3 | 11 |
| 138 | Processing and microstructure of Nano-Mo/Al ₂ O ₃ composites from MOCVD and fluidized bed. <i>Scripta Materialia</i> , 1999 , 11, 1361-1377 | | 11 |
| 137 | Effects of dispersive two-photon transitions on femtosecond pulse propagation in semiconductor waveguides. <i>Applied Physics Letters</i> , 1993 , 63, 1304-1306 | 3.4 | 11 |
| 136 | Significant mobility enhancement in extremely thin highly doped ZnO films. <i>Applied Physics Letters</i> , 2015 , 106, 152102 | 3.4 | 10 |
| 135 | Regularly patterned multi-section GaN nanorod arrays grown with a pulsed growth technique. <i>Nanotechnology</i> , 2016 , 27, 025303 | 3.4 | 10 |
| 134 | Method for enhancing the favored transverse-electric-polarized emission of an AlGa _{0.5} N _{0.5} deep-ultraviolet quantum well. <i>Optics Express</i> , 2017 , 25, 26365-26377 | 3.3 | 10 |

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| 133 | Temperature dependent double blueshift of photoluminescence peak position in MgZnO epitaxial layers. <i>Journal of Applied Physics</i> , 2014 , 116, 123501 | 2.5 | 10 |
| 132 | Noninvasive imaging of heart chamber in Drosophila with dual-beam optical coherence tomography. <i>Journal of Biophotonics</i> , 2013 , 6, 708-17 | 3.1 | 10 |
| 131 | Sapphire Substrate Liftoff With Photoelectrochemical Etching for Vertical Light-Emitting Diode Fabrication. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 654-656 | 2.2 | 10 |
| 130 | Further emission efficiency improvement of a commercial-quality light-emitting diode through surface plasmon coupling. <i>Optics Letters</i> , 2018 , 43, 5631-5634 | 3 | 10 |
| 129 | Anti-reflection behavior of a surface Ga-doped ZnO nanoneedle structure and the controlling factors. <i>Optical Materials Express</i> , 2017 , 7, 4058 | 2.6 | 9 |
| 128 | Multi-mechanism efficiency enhancement in growing Ga-doped ZnO as the transparent conductor on a light-emitting diode. <i>Optics Express</i> , 2015 , 23, 32274-88 | 3.3 | 9 |
| 127 | Geometry for Maximizing Localized Surface Plasmon Resonance of Au Nanorings with Random Orientations. <i>Plasmonics</i> , 2011 , 6, 547-555 | 2.4 | 9 |
| 126 | Bond lengths and lattice structure of InP _{0.52} Sb _{0.48} grown on GaAs. <i>Applied Physics Letters</i> , 2012 , 101, 091902 | 3.4 | 9 |
| 125 | Myocardial tissue characterization based on the time-resolved Stokes-Mueller formalism. <i>Optics Express</i> , 2002 , 10, 1347-53 | 3.3 | 9 |
| 124 | Color conversion efficiency enhancement of colloidal quantum dot through its linkage with synthesized metal nanoparticle on a blue light-emitting diode. <i>Optics Letters</i> , 2019 , 44, 5691-5694 | 3 | 9 |
| 123 | Combining High Hole Concentration in p-GaN and High Mobility in u-GaN for High p-Type Conductivity in a p-GaN/u-GaN Alternating-Layer Nanostructure. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 115-120 | 2.9 | 8 |
| 122 | Behaviors of Surface Plasmon Coupled Light-Emitting Diodes Induced by Surface Ag Nanoparticles on Dielectric Interlayers. <i>Plasmonics</i> , 2015 , 10, 1029-1040 | 2.4 | 8 |
| 121 | Surface plasmon coupled light-emitting diode: Experimental and numerical studies. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 02BD01 | 1.4 | 8 |
| 120 | Independent variations of applied voltage and injection current for controlling the quantum-confined Stark effect in an InGaN/GaN quantum-well light-emitting diode. <i>Optics Express</i> , 2014 , 22, 8367-75 | 3.3 | 8 |
| 119 | MBE-Grown CdZnO/ZnO Multiple Quantum-Well Light-Emitting Diode on MOCVD-Grown p-Type GaN. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 909-911 | 2.2 | 8 |
| 118 | Method for suppressing the mirror image in Fourier-domain optical coherence tomography. <i>Optics Letters</i> , 2011 , 36, 2889-91 | 3 | 8 |
| 117 | Observations of cardiac beating behaviors of wild-type and mutant Drosophilae with optical coherence tomography. <i>Journal of Biophotonics</i> , 2011 , 4, 610-8 | 3.1 | 8 |
| 116 | Uncertainty of Positioning and Displacement Measurements in Quantum and Thermal Regimes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2007 , 56, 1658-1665 | 5.2 | 8 |

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| 115 | Non-degenerate fs pump-probe study on InGaN with multi-wavelength second-harmonic generation. <i>Optics Express</i> , 2005 , 13, 5245-52 | 3.3 | 8 |
| 114 | Ultrafast biexciton dynamics in a ZnO thin film. <i>Applied Physics Letters</i> , 2005 , 87, 072103 | 3.4 | 8 |
| 113 | Ultrafast carrier dynamics in an InGaN thin film. <i>Journal of Applied Physics</i> , 2005 , 97, 033704 | 2.5 | 8 |
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