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249
papers

8,836
citations

49
h-index

85
g-index

276
ext. papers

9,771
ext. citations

4.8
avg, IF

6.05
L-index

#	Paper	IF	Citations
249	Photoluminescence study of ZnO films prepared by thermal oxidation of Zn metallic films in air. <i>Journal of Applied Physics</i> , 2003 , 94, 354-358	2.5	356
248	Selective decoration of Au nanoparticles on monolayer MoS ₂ single crystals. <i>Scientific Reports</i> , 2013 , 3, 1839	4.9	342
247	Stable superhydrophobic surface via carbon nanotubes coated with a ZnO thin film. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 7746-8	3.4	299
246	Upconverting near-infrared light through energy management in core-shell-shell nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13419-23	16.4	282
245	Carbon nanotube membranes with ultrahigh specific adsorption capacity for water desalination and purification. <i>Nature Communications</i> , 2013 , 4, 2220	17.4	259
244	Hierarchical assembly of ZnO nanostructures on SnO(2) backbone nanowires: low-temperature hydrothermal preparation and optical properties. <i>ACS Nano</i> , 2009 , 3, 3069-76	16.7	242
243	Confining energy migration in upconversion nanoparticles towards deep ultraviolet lasing. <i>Nature Communications</i> , 2016 , 7, 10304	17.4	193
242	Comprehensive study of ZnO films prepared by filtered cathodic vacuum arc at room temperature. <i>Journal of Applied Physics</i> , 2003 , 94, 1597-1604	2.5	191
241	Random laser action in ZnO nanorod arrays embedded in ZnO epilayers. <i>Applied Physics Letters</i> , 2004 , 84, 3241-3243	3.4	190
240	An efficient and stable fluorescent graphene quantum dot@gar composite as a converting material in white light emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22378		150
239	Observation of lasing emission from carbon nanodots in organic solvents. <i>Advanced Materials</i> , 2012 , 24, 2263-7	24	132
238	2D Layered Materials of Rare-Earth Er-Doped MoS ₂ with NIR-to-NIR Down- and Up-Conversion Photoluminescence. <i>Advanced Materials</i> , 2016 , 28, 7472-7	24	130
237	Dynamic analysis of radiation and side-mode suppression in a second-order DFB laser using time-domain large-signal traveling wave model. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 1389-1395		129
236	Integrated Terahertz Graphene Modulator with 100% Modulation Depth. <i>ACS Photonics</i> , 2015 , 2, 1559-1566		124
235	Zinc oxide thin-film random lasers on silicon substrate. <i>Applied Physics Letters</i> , 2004 , 84, 3244-3246	3.4	121
234	Enhancement of near-band-edge photoluminescence from ZnO films by face-to-face annealing. <i>Journal of Crystal Growth</i> , 2003 , 259, 335-342	1.6	116
233	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO ₂ @CaF ₂ :Yb,Er hybrid core-shell-satellite nanostructures. <i>Light: Science and Applications</i> , 2017 , 6, e16217	16.7	110

232	Direct growth of ZnO nanocrystals onto the surface of porous TiO ₂ nanotube arrays for highly efficient and recyclable photocatalysts. <i>Small</i> , 2009 , 5, 2260-4	11	98
231	UV Random Lasing Action in p-SiC(4H)/i-ZnO/BiO ₂ Nanocomposite/n-ZnO:Al Heterojunction Diodes. <i>Advanced Materials</i> , 2006 , 18, 1685-1688	24	98
230	Fabrication of n-ZnO:Al/p-SiC(4H) heterojunction light-emitting diodes by filtered cathodic vacuum arc technique. <i>Applied Physics Letters</i> , 2005 , 86, 2411-11	3.4	92
229	Amplified spontaneous emission and lasing from lanthanide-doped up-conversion nanocrystals. <i>ACS Nano</i> , 2013 , 7, 11420-6	16.7	90
228	Magnetic anisotropy in the ferromagnetic Cu-doped ZnO nanoneedles. <i>Applied Physics Letters</i> , 2007 , 90, 032509	3.4	87
227	Phonon-Assisted Population Inversion in Lanthanide-Doped Upconversion Ba LaF Nanocrystals in Glass-Ceramics. <i>Advanced Materials</i> , 2016 , 28, 8045-8050	24	86
226	Core-leaf onion-like carbon/MnO ₂ hybrid nano-urchins for rechargeable lithium-ion batteries. <i>Carbon</i> , 2013 , 64, 230-236	10.4	84
225	Enhancing Multiphoton Upconversion from NaYF ₃ :Yb/Tm@NaYF ₃ Core-Shell Nanoparticles via the Use of Laser Cavity. <i>ACS Nano</i> , 2017 , 11, 843-849	16.7	83
224	A new theoretical basis of higher-derivative optical differentiators. <i>Optics Communications</i> , 2004 , 230, 115-129	2	83
223	MnO ₂ /onion-like carbon nanocomposites for pseudocapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17584		82
222	Topological edge plasmon modes between diatomic chains of plasmonic nanoparticles. <i>Optics Express</i> , 2015 , 23, 2021-31	3.3	80
221	Directional and controllable edge-emitting ZnO ultraviolet random laser diodes. <i>Applied Physics Letters</i> , 2010 , 96, 101116	3.4	80
220	Directional edge-emitting UV random laser diodes. <i>Applied Physics Letters</i> , 2006 , 89, 221109	3.4	79
219	Enhancement of ultraviolet lasing from Ag-coated highly disordered ZnO films by surface-plasmon resonance. <i>Applied Physics Letters</i> , 2007 , 90, 231106	3.4	77
218	Preparation and characterization of few-layer MoS ₂ nanosheets and their good nonlinear optical responses in the PMMA matrix. <i>Nanoscale</i> , 2014 , 6, 9713-9	7.7	76
217	Room-Temperature Ultraviolet Lasing from Zinc Oxide Microtubes. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L1229-L1231	1.4	74
216	Magnetotransport properties of p-type carbon-doped ZnO thin films. <i>Applied Physics Letters</i> , 2009 , 95, 012505	3.4	70
215	Bistable switching using an optical Tamm cavity with a Kerr medium. <i>Optics Communications</i> , 2010 , 283, 2622-2626	2	69

214	Band parameters and electronic structures of wurtzite ZnO and ZnO/MgZnO quantum wells. <i>Journal of Applied Physics</i> , 2006 , 99, 013702	2.5	69
213	Evolution of visible luminescence in ZnO by thermal oxidation of zinc films. <i>Chemical Physics Letters</i> , 2003 , 375, 113-118	2.5	69
212	Zn-interstitial-enhanced ferromagnetism in Cu-doped ZnO films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 315, 107-110	2.8	68
211	Laser action in ZnO nanoneedles selectively grown on silicon and plastic substrates. <i>Applied Physics Letters</i> , 2005 , 87, 013104	3.4	68
210	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 3623-3628	16.7	67
209	Exciton radiative lifetime in ZnO nanorods fabricated by vapor phase transport method. <i>Applied Physics Letters</i> , 2007 , 90, 013107	3.4	65
208	ZnO random laser diode arrays for stable single-mode operation at high power. <i>Applied Physics Letters</i> , 2010 , 97, 241107	3.4	64
207	Engineering the intermediate band states in amorphous Ti ³⁺ -doped TiO ₂ for hybrid dye-sensitized solar cell applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11437-11443	13	59
206	Ultraviolet amplified spontaneous emission from self-organized network of zinc oxide nanofibers. <i>Applied Physics Letters</i> , 2005 , 86, 011118	3.4	59
205	Surface plasmon enhanced electrically pumped random lasers. <i>Nanoscale</i> , 2013 , 5, 513-7	7.7	54
204	White-Light Whispering-Gallery-Mode Lasing from Lanthanide-Doped Upconversion NaYF ₄ Hexagonal Microrods. <i>ACS Photonics</i> , 2017 , 4, 1539-1543	6.3	53
203	Dynamic behavior of vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 1168-1179	2	52
202	Ultraviolet amplified spontaneous emission from zinc oxide ridge waveguides on silicon substrate. <i>Applied Physics Letters</i> , 2003 , 83, 4288-4290	3.4	50
201	Near-field focusing properties of zone plates in visible regime--new insights. <i>Optics Express</i> , 2008 , 16, 9554-64	3.3	48
200	Field emission from zinc oxide nanoneedles on plastic substrates. <i>Nanotechnology</i> , 2005 , 16, 1300-1303	3.4	48
199	Theoretical analysis of modulation response and second-order harmonic distortion in vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 2139-2147	2	48
198	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23108-23116	3.8	47
197	Tuning nonlinear optical absorption properties of WS ₂ nanosheets. <i>Nanoscale</i> , 2015 , 7, 17771-7	7.7	46

196	Realization of lasing emission from graphene quantum dots using titanium dioxide nanoparticles as light scatterers. <i>Nanoscale</i> , 2013 , 5, 1797-802	7.7	46
195	AlN nanowires: synthesis, physical properties, and nanoelectronics applications. <i>Journal of Materials Science</i> , 2012 , 47, 5341-5360	4.3	45
194	Upconverting Near-Infrared Light through Energy Management in Core-Shell-Shell Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 13661-13665	3.6	44
193	Nonlinear dynamics of vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1999 , 35, 332-341	2	44
192	Ultraviolet coherent random lasing in randomly assembled SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2009 , 94, 241121	3.4	43
191	Energy Migration Upconversion in Ce(III)-Doped Heterogeneous Core-Shell-Shell Nanoparticles. <i>Small</i> , 2017 , 13, 1701479	11	41
190	Large-area color controllable remote carbon white-light light-emitting diodes. <i>Carbon</i> , 2015 , 85, 344-350	10.4	41
189	Low-loss and directional output ZnO thin-film ridge waveguide random lasers with MgO capped layer. <i>Applied Physics Letters</i> , 2005 , 86, 031112	3.4	41
188	Flexible ultraviolet random lasers based on nanoparticles. <i>Small</i> , 2005 , 1, 956-9	11	41
187	Highly efficient and ultra-narrow bandwidth orange emissive carbon dots for microcavity lasers. <i>Nanoscale</i> , 2019 , 11, 11577-11583	7.7	39
186	Wide-bandwidth lasing from C-dot/epoxy nanocomposite Fabry-Pérot cavities with ultralow threshold. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1525	7.1	39
185	Numerical Study of Gain-Assisted Terahertz Hybrid Plasmonic Waveguide. <i>Plasmonics</i> , 2012 , 7, 571-577	2.4	39
184	High-temperature random lasing in ZnO nanoneedles. <i>Applied Physics Letters</i> , 2006 , 89, 011103	3.4	39
183	Simultaneous formation of visible and ultraviolet random lasings in ZnO films. <i>Applied Physics Letters</i> , 2006 , 89, 021110	3.4	39
182	Amplified Spontaneous Emission from Organic-Inorganic Hybrid Lead Iodide Perovskite Single Crystals under Direct Multiphoton Excitation. <i>Advanced Optical Materials</i> , 2016 , 4, 1053-1059	8.1	39
181	High-Temperature Lasing Characteristics of ZnO Epilayers. <i>Advanced Materials</i> , 2006 , 18, 771-774	24	37
180	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. <i>Chemical Physics Letters</i> , 2003 , 377, 329-332	2.5	37
179	Ultraviolet electroluminescence from randomly assembled n-SnO(2) nanowires-p-GaN:Mg heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1191-4	9.5	36

178	Strain dependence of lasing mechanisms in ZnO epilayers. <i>Applied Physics Letters</i> , 2005 , 86, 261111	3.4	36
177	Ferromagnetic Cu-doped AlN nanorods. <i>Nanotechnology</i> , 2007 , 18, 105601	3.4	35
176	Ultraviolet photoluminescence from ferromagnetic Fe-doped AlN nanorods. <i>Applied Physics Letters</i> , 2007 , 90, 193118	3.4	35
175	Subwavelength focusing behavior of high numerical-aperture phase Fresnel zone plates under various polarization states. <i>Applied Physics Letters</i> , 2009 , 95, 191113	3.4	34
174	Design and fabrication of ZnO light-emitting devices using filtered cathodic vacuum arc technique. <i>Journal of Crystal Growth</i> , 2006 , 287, 204-212	1.6	33
173	Investigation of Multilayer Subwavelength Metallic-Dielectric Stratified Structures. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1554-1559	2	30
172	Self-doped rutile titania with high performance for direct and ultrafast assay of H ₂ O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12784-8	9.5	29
171	Theoretical analysis of polarization bistability in vertical cavity surface emitting semiconductor lasers. <i>Journal of Lightwave Technology</i> , 1997 , 15, 1032-1041	4	29
170	Electronic structures of wurtzite ZnO and ZnO/MgZnO quantum well. <i>Journal of Crystal Growth</i> , 2006 , 287, 28-33	1.6	29
169	Extremely High Sensitive Plasmonic Refractive Index Sensors Based on Metallic Grating. <i>Plasmonics</i> , 2010 , 5, 389-394	2.4	28
168	Ultrashort laser pulse doubling by metal-halide perovskite multiple quantum wells. <i>Nature Communications</i> , 2020 , 11, 3361	17.4	28
167	Electrically tunable white-color electroluminescence from Si-implanted silicon nitride thin film. <i>Optics Express</i> , 2010 , 18, 20439-44	3.3	27
166	Randomly packed n-SnO ₂ nanorods/p-SiC heterojunction light-emitting diodes. <i>Applied Physics Letters</i> , 2009 , 95, 201104	3.4	27
165	Ferromagnetic Cu doped ZnO as an electron injector in heterojunction light emitting diodes. <i>Journal of Applied Physics</i> , 2008 , 104, 103104	2.5	27
164	Room-temperature growth of carbon nanofibers on plastic substrates. <i>Surface Science</i> , 2006 , 600, 3663-3667	3.6	27
163	Exciton radiative lifetime in ZnO quantum dots embedded in SiO _x matrix. <i>Applied Physics Letters</i> , 2006 , 88, 221903	3.4	27
162	Lasing in electrodeposited ZnO inverse opal. <i>Applied Physics Letters</i> , 2007 , 91, 161116	3.4	27
161	Design of low-threshold compact Au-nanoparticle lasers. <i>Optics Letters</i> , 2010 , 35, 2535-7	3	26

160	Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 98, 263101	3.4	26
159	Visible red random lasing in Y2O3:Eu3+/ZnO polycrystalline thin films by energy transfer from ZnO films to Eu3+. <i>Applied Physics Letters</i> , 2008 , 93, 151105	3.4	25
158	Experimental and theoretical analysis of argon plasma-enhanced quantum-well intermixing. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 166-174	2	25
157	Performance of optical chaotic communication systems using multimode vertical cavity surface emitting lasers. <i>Optics Communications</i> , 2001 , 200, 143-152	2	25
156	Random lasing action of randomly assembled ZnO nanowires with MgO coating. <i>Optics Express</i> , 2010 , 18, 13647-54	3.3	24
155	Local measurement of secondary electron emission from ZnO-coated carbon nanotubes. <i>Nanotechnology</i> , 2006 , 17, 1564-7	3.4	24
154	Room temperature deposition of p-type arsenic doped ZnO polycrystalline films by laser-assist filtered cathodic vacuum arc technique. <i>Journal of Applied Physics</i> , 2007 , 101, 094905	2.5	23
153	Electrically pumped random lasers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 483001	3	22
152	Photoluminescence enhancement in few-layer WS2 films via Au nanoparticles. <i>AIP Advances</i> , 2015 , 5, 067148	1.5	22
151	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2013 , 102, 031119	3.4	22
150	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped Lu6O5F8 Upconversion Nanocrystals. <i>Advanced Optical Materials</i> , 2020 , 8, 1900968	8.1	22
149	Broadband Ce(III)-Sensitized Quantum Cutting in Core-Shell Nanoparticles: Mechanistic Investigation and Photovoltaic Application. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5099-5104	6.4	21
148	Low-threshold lasing action in an asymmetric double ZnO/ZnMgO quantum well structure. <i>Applied Physics Letters</i> , 2013 , 103, 131104	3.4	21
147	Influence of charge trapping on electroluminescence from Si-nanocrystal light emitting structure. <i>Journal of Applied Physics</i> , 2007 , 101, 104306	2.5	21
146	Plasmon-engineered anti-replacement synthesis of naked Cu nanoclusters with ultrahigh electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18687-18693	13	21
145	Observation of white-light amplified spontaneous emission from carbon nanodots under laser excitation. <i>Optical Materials Express</i> , 2012 , 2, 490	2.6	20
144	Magnetic and Thermal Expansion Properties of Vertically Aligned Fe Nanotubes Fabricated by Electrochemical Method. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4168-4171	3.8	19
143	?Wavelength-tunable and high-temperature lasing in ZnMgO nanoneedles. <i>Applied Physics Letters</i> , 2006 , 89, 081107	3.4	19

142	Lasing Characteristics of CH ₃ NH ₃ PbCl ₃ Single-Crystal Microcavities under Multiphoton Excitation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700992	8.1	18
141	Split of surface plasmon resonance of gold nanoparticles on silicon substrate: a study of dielectric functions. <i>Optics Express</i> , 2010 , 18, 21926-31	3.3	18
140	ZnO thin films produced by filtered cathodic vacuum arc technique. <i>Ceramics International</i> , 2004 , 30, 1669-1674	5.1	18
139	All-Inorganic Perovskite Polymer/Ceramics for Flexible and Refreshable X-Ray Imaging. <i>Advanced Functional Materials</i> , 2107424	15.6	18
138	Analysis and design of vertical-cavity surface-emitting lasers for self-sustained pulsation operation. <i>IEEE Journal of Quantum Electronics</i> , 1998 , 34, 497-505	2	17
137	Lasing characteristics of single-crystalline CsPbCl ₃ perovskite microcavities under multiphoton excitation. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 225101	3	16
136	Random lasing in Eu ³⁺ doped borate glass-ceramic embedded with Ag nanoparticles under direct three-photon excitation. <i>Nanoscale</i> , 2015 , 7, 16246-50	7.7	16
135	Quasi mode-locking of coherent feedback random fiber laser. <i>Scientific Reports</i> , 2016 , 6, 39703	4.9	16
134	Crystallite size-modulated exciton emission in SnO ₂ nanocrystalline films grown by sputtering. <i>Journal of Applied Physics</i> , 2013 , 113, 143104	2.5	16
133	High temperature excitonic lasing characteristics of randomly assembled SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2009 , 95, 131106	3.4	16
132	Random Lasing Action from Randomly Assembled ZnS Nanosheets. <i>Nanoscale Research Letters</i> , 2010 , 5, 809-12	5	16
131	Sol-gel ZnO-SiO ₂ /sub 2/ composite waveguide ultraviolet lasers. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2418-2420	2.2	16
130	High-power single-mode ZnO thin-film random lasers. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1186-1194	2	16
129	Atomic-Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. <i>Advanced Functional Materials</i> , 2020 , 30, 1906137	15.6	16
128	Ultracompact 2 \times 2 Photonic Crystal Waveguide Power Splitter Based on Self-Imaging Effect Realized by Asymmetric Interference. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1151-1153	2.2	15
127	Observation of Tamm plasmon polaritons in visible regime from ZnO/Al ₂ O ₃ distributed Bragg reflector /Ag interface. <i>Optics Communications</i> , 2011 , 284, 1890-1892	2	15
126	Double-tapered-waveguide distributed feedback lasers for high-power single-mode operation. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 71-80	2	15
125	Edge-Emitting Vertically Aligned ZnO Nanorods Random Laser on Plastic Substrate. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1792-1794	2.2	15

124	Field emission from copper phthalocyanine and copper hexadecafluorophthalocyanine nanowires. <i>Materials Letters</i> , 2007 , 61, 3842-3846	3.3	15
123	Design of antiresonant-reflecting optical waveguide-type vertical-cavity surface-emitting lasers using transfer matrix method. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 1231-1233	2.2	15
122	Polarization selection in birefringent antiresonant reflecting optical waveguide-type vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 2003 , 39, 1362-1371	2	15
121	Realization of multiphoton lasing from carbon nanodot microcavities. <i>Nanoscale</i> , 2017 , 9, 5957-5963	7.7	14
120	Low threshold amplified spontaneous emission from tin oxide quantum dots: a instantiation of dipole transition silence semiconductors. <i>Nanoscale</i> , 2013 , 5, 11561-7	7.7	14
119	Low divergence single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Optics Express</i> , 2013 , 21, 31872-82	3.3	14
118	Semiconductor lasers using diffused quantum-well structures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 723-735	3.8	14
117	Surface plasmonic lasing via the amplification of coupled surface plasmon waves inside dielectric-metal-dielectric waveguides. <i>Optics Express</i> , 2008 , 16, 16113-23	3.3	14
116	A quasi-three-dimensional large-signal dynamic model of distributed feedback lasers. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 424-432	2	14
115	Experimental demonstration of near-field focusing of a phase micro-Fresnel zone plate (FZP) under linearly polarized illumination. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 102, 95-100	1.9	13
114	High-temperature lasing characteristics of randomly assembled ZnO nanowires with a ridge waveguide. <i>Journal of Applied Physics</i> , 2009 , 106, 043102	2.5	13
113	Comprehensive modeling of diffused quantum-well vertical-cavity surface-emitting lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 715-722	3.8	13
112	The formation characteristics of closed-loop random cavities inside highly disordered ZnO polycrystalline thin films. <i>Applied Physics Letters</i> , 2006 , 88, 121126	3.4	13
111	Frequency upconverted amplified spontaneous emission and lasing from inorganic perovskite under simultaneous six-photon absorption. <i>Optics Letters</i> , 2018 , 43, 2066-2069	3	12
110	Electrochemically assisted flexible lanthanide upconversion luminescence sensing of heavy metal contamination with high sensitivity and selectivity. <i>Nanoscale Advances</i> , 2019 , 1, 265-272	5.1	12
109	Ultraviolet Lasers Realized via Electrostatic Doping Method. <i>Scientific Reports</i> , 2015 , 5, 13641	4.9	12
108	Ultraviolet random lasing action from highly disordered n-AlN/p-GaN heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1726-30	9.5	12
107	Vectorial polariton solitons in semiconductor microcavities. <i>Optics Express</i> , 2010 , 18, 21219-24	3.3	12

106	Random laser action in dielectric-metal-dielectric surface plasmon waveguides. <i>Applied Physics Letters</i> , 2009 , 95, 231114	3.4	12
105	High-temperature lasing characteristics of randomly assembled SnO ₂ backbone nanowires coated with ZnO nanofins. <i>Journal of Applied Physics</i> , 2009 , 106, 123105	2.5	12
104	Ultraviolet Laser Action in Ferromagnetic Zn _{1-x} Fe _x O Nanoneedles. <i>Nanoscale Research Letters</i> , 2009 , 5, 247-51	5	12
103	Formation conditions of random laser cavities in annealed ZnO epilayers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 970-973	2	12
102	Exciton related stimulated emission in ZnO polycrystalline thin film deposited by filtered cathodic vacuum arc technique. <i>Applied Physics Letters</i> , 2006 , 88, 191112	3.4	12
101	Measurement of deformation of the concrete sleepers under different support conditions using non-contact laser speckle imaging sensor. <i>Engineering Structures</i> , 2020 , 205, 110054	4.7	12
100	Atomic-Scale Insights into the Dynamics of Growth and Degradation of All-Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4618-4624	6.4	11
99	Improved performance of ZnO light-emitting devices by introducing a hole-injection layer. <i>Optics Express</i> , 2014 , 22, 17524-31	3.3	11
98	Analysis of dielectric loaded surface plasmon waveguide structures: Transfer matrix method for plasmonic devices. <i>Journal of Applied Physics</i> , 2012 , 111, 073108	2.5	11
97	Electroluminescence from AlN nanowires grown on p-SiC substrate. <i>Applied Physics Letters</i> , 2010 , 97, 191105	3.4	11
96	Electroluminescence from n-In ₂ O ₃ :Sn randomly assembled nanorods/p-SiC heterojunction. <i>Optics Express</i> , 2010 , 18, 15585-90	3.3	11
95	Optical Flip-Flop Using Bistable Vertical-Cavity Semiconductor Optical Amplifiers With Anti-Resonant Reflecting Optical Waveguide. <i>Journal of Lightwave Technology</i> , 2009 , 27, 4703-4710	4	11
94	Design and analysis of two-dimensional high-index-contrast grating surface-emitting lasers. <i>Optics Express</i> , 2009 , 17, 260-5	3.3	11
93	A surface-emitting distributed-feedback plasmonic laser. <i>Applied Physics Letters</i> , 2009 , 95, 141114	3.4	11
92	Low-temperature fabrication and random laser action of doped zinc oxide nanoneedles. <i>Surface Science</i> , 2007 , 601, 4459-4464	1.8	11
91	Simple model for a distributed feedback laser integrated with a Mach-Zehnder modulator. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 1062-1074	2	11
90	Proposed enhancement of side-mode suppression ratio in $\lambda/4$ shifted distributed feedback lasers with nonuniform diffused quantum wells. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 482-484	2.2	11
89	Influence of transverse modes on the dynamic response of vertical cavity surface emitting lasers. <i>IEE Proceedings: Optoelectronics</i> , 1996 , 143, 189-194		11

88	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF Hexagonal Microrods. <i>Inorganic Chemistry</i> , 2018 , 57, 8200-8204	5.1	11
87	Wide bandwidth lasing randomly assembled ZnS/ZnO biaxial nanobelt heterostructures. <i>Applied Physics Letters</i> , 2010 , 96, 141115	3.4	10
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