

Siu F Yu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7350255/siu-f-yu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Unlocking surface octahedral tilt in two-dimensional Ruddlesden-Popper perovskites.. <i>Nature Communications</i> , 2022 , 13, 138	17.4	7
248	Reality or fantasy Perovskite semiconductor laser diodes. <i>EcoMat</i> , 2021 , 3, e12077	9.4	8
247	Robust and Flexible Random Lasers Using Perovskite Quantum Dots Coated Nickel Foam for Speckle-Free Laser Imaging. <i>Small</i> , 2021 , 17, e2103065	11	8
246	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
245	Ca ²⁺ /Sr ²⁺ /Ba ²⁺ dependent phase separation, nanocrystallization and photoluminescence in fluoroaluminosilicate glass. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5796-5807	3.8	8
244	In Situ Observation of Nucleation and Crystallization of a Single Nanoparticle in Transparent Media. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15533-15540	3.8	6
243	Development of a non-contact and non-destructive laser speckle imaging system for remote sensing of anisotropic deformation around fastener holes. <i>NDT and E International</i> , 2020 , 111, 102219	4.1	3
242	Enhanced laser speckle optical sensor for in situ strain sensing and structural health monitoring. <i>Optics Letters</i> , 2020 , 45, 2331-2334	3	2
241	Deep UV random lasing from NaGdF:Yb,Tm upconversion nanocrystals in amorphous borosilicate glass. <i>Optics Letters</i> , 2020 , 45, 3095-3098	3	3
240	Ultraviolet C lasing at 263 nm from BaLaF:Yb,Tm upconversion nanocrystal microcavities. <i>Optics Letters</i> , 2020 , 45, 5986-5989	3	2
239	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped Lu ₆ O ₅ F ₈ Upconversion Nanocrystals. <i>Advanced Optical Materials</i> , 2020 , 8, 1900968	8.1	22
238	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
237	Atomic-Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. <i>Advanced Functional Materials</i> , 2020 , 30, 1906137	15.6	16
236	Ultrashort laser pulse doubling by metal-halide perovskite multiple quantum wells. <i>Nature Communications</i> , 2020 , 11, 3361	17.4	28
235	Highly efficient and ultra-narrow bandwidth orange emissive carbon dots for microcavity lasers. <i>Nanoscale</i> , 2019 , 11, 11577-11583	7.7	39
234	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
233	Growth Processes of LuF ₃ Upconversion Nanoflakes with the Assistance of Amorphous Nanoclusters. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5254-5259	5.6	3

232	Study of Crystallization and Coalescence of Nanocrystals in Amorphous Glass at High Temperature. <i>Inorganic Chemistry</i> , 2019 , 58, 9500-9504	5.1	4
231	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
230	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
229	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
228	Seven-Photon-Excited Upconversion Lasing at Room Temperature. <i>Advanced Optical Materials</i> , 2018 , 6, 1800518	8.1	9
227	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
226	Multiphoton Upconversion Emission from Diamond Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18935-18941	9.5	4
225	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF Hexagonal Microrods. <i>Inorganic Chemistry</i> , 2018 , 57, 8200-8204	5.1	11
224	Low-threshold GaN thin-film random laser through the weak scattering feedback. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 045107	3	6
223	Low temperature synthesis of CsPbI ₃ sub-micrometer wires with tailored emission band for flexible X-ray phosphors applications. <i>Journal of Luminescence</i> , 2017 , 188, 454-459	3.8	6
222	Lasing characteristics of single-crystalline CsPbCl ₃ perovskite microcavities under multiphoton excitation. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 225101	3	16
221	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
220	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
219	Realization of multiphoton lasing from carbon nanodot microcavities. <i>Nanoscale</i> , 2017 , 9, 5957-5963	7.7	14
218	Enhancing Multiphoton Upconversion from NaYF ₄ :Yb/Tm@NaYF ₄ Core-Shell Nanoparticles via the Use of Laser Cavity. <i>ACS Nano</i> , 2017 , 11, 843-849	16.7	83
217	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
216	Energy Migration Upconversion in Ce(III)-Doped Heterogeneous Core-Shell-Shell Nanoparticles. <i>Small</i> , 2017 , 13, 1701479	11	41
215	Phonon-Assisted Population Inversion in Lanthanide-Doped Upconversion Ba LaF Nanocrystals in Glass-Ceramics. <i>Advanced Materials</i> , 2016 , 28, 8045-8050	24	86

214	Quasi mode-locking of coherent feedback random fiber laser. <i>Scientific Reports</i> , 2016 , 6, 39703	4.9	16
213	Confining energy migration in upconversion nanoparticles towards deep ultraviolet lasing. <i>Nature Communications</i> , 2016 , 7, 10304	17.4	193
212	Exciton dynamics in luminescent carbon nanodots: Electron-hole exchange interaction. <i>Nano Research</i> , 2016 , 9, 549-559	10	8
211	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
210	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
209	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
208	Topological edge plasmon modes between diatomic chains of plasmonic nanoparticles. <i>Optics Express</i> , 2015 , 23, 2021-31	3.3	80
207	Tuning nonlinear optical absorption properties of WS ₂ nanosheets. <i>Nanoscale</i> , 2015 , 7, 17771-7	7.7	46
206	Integrated Terahertz Graphene Modulator with 100% Modulation Depth. <i>ACS Photonics</i> , 2015 , 2, 1559-1566	15.6	124
205	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
204	Electrically pumped random lasers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 483001	3	22
203	Ultraviolet Lasers Realized via Electrostatic Doping Method. <i>Scientific Reports</i> , 2015 , 5, 13641	4.9	12
202	Photoluminescence enhancement in few-layer WS ₂ films via Au nanoparticles. <i>AIP Advances</i> , 2015 , 5, 067148	1.5	22
201	Large-area color controllable remote carbon white-light light-emitting diodes. <i>Carbon</i> , 2015 , 85, 344-350	10.4	41
200	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
199	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
198	Planar integrated metasurfaces for highly-collimated terahertz quantum cascade lasers. <i>Scientific Reports</i> , 2014 , 4, 7083	4.9	9
197	Improved performance of ZnO light-emitting devices by introducing a hole-injection layer. <i>Optics Express</i> , 2014 , 22, 17524-31	3.3	11

196	Carbon nanotube membranes with ultrahigh specific adsorption capacity for water desalination and purification. <i>Nature Communications</i> , 2013 , 4, 2220	17.4	259
195	Amplified spontaneous emission and lasing from lanthanide-doped up-conversion nanocrystals. <i>ACS Nano</i> , 2013 , 7, 11420-6	16.7	90
194	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	17
193	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
192	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
191	Surface plasmon enhanced electrically pumped random lasers. <i>Nanoscale</i> , 2013 , 5, 513-7	7.7	54
190	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
189	Selective decoration of Au nanoparticles on monolayer MoS ₂ single crystals. <i>Scientific Reports</i> , 2013 , 3, 1839	4.9	342
188	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
187	Low-threshold lasing action in an asymmetric double ZnO/ZnMgO quantum well structure. <i>Applied Physics Letters</i> , 2013 , 103, 131104	3.4	21
186	Low divergence single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Optics Express</i> , 2013 , 21, 31872-82	3.3	14
185	Directional single-mode emission from coupled whispering gallery resonators realized by using ZnS microbelts. <i>Optics Letters</i> , 2013 , 38, 1527-9	3	6
184	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
183	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
182	Upconverting Near-Infrared Light through Energy Management in CoreShellShell Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 13661-13665	3.6	44
181	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2013 , 102, 031119	3.4	22
180	Ultraviolet Lasing Characteristics of ZnS Microbelt Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 1501705-1501705	3.8	2
179	Investigation of Multilayer Subwavelength Metallic-Dielectric Stratified Structures. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1554-1559	2	30

178	An efficient and stable fluorescent graphene quantum dot-agar composite as a converting material in white light emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22378		150
177	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
176	Numerical Study of Gain-Assisted Terahertz Hybrid Plasmonic Waveguide. <i>Plasmonics</i> , 2012 , 7, 571-577	2.4	39
175	MnO ₂ /onion-like carbon nanocomposites for pseudocapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17584		82
174	Observation of lasing emission from carbon nanodots in organic solvents. <i>Advanced Materials</i> , 2012 , 24, 2263-7	24	132
173	AlN nanowires: synthesis, physical properties, and nanoelectronics applications. <i>Journal of Materials Science</i> , 2012 , 47, 5341-5360	4.3	45
172	Influence of SiO ₂ Layer on the Dielectric Function of Gold Nanoparticles on Si Substrate. <i>Electrochemical and Solid-State Letters</i> , 2012 , 15, K5		2
171	Observation of white-light amplified spontaneous emission from carbon nanodots under laser excitation. <i>Optical Materials Express</i> , 2012 , 2, 490	2.6	20
170	Optical Properties of Gold Nanoparticles on Heavily-Doped Si Substrate Synthesized with an Electrochemical Process. <i>Journal of the Electrochemical Society</i> , 2011 , 158, K152	3.9	5
169	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
168	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
167	An Index-Guided ZnO Random Laser Array. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 522-524	2.2	4
166	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
165	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
164	Lasing characteristics of random cylindrical microcavity lasers. <i>Applied Physics Letters</i> , 2011 , 99, 241111	3.4	1
163	Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 98, 263101	3.4	26
162	ZnO random laser diode arrays for stable single-mode operation at high power. <i>Applied Physics Letters</i> , 2010 , 97, 241107	3.4	64
161	Directional and controllable edge-emitting ZnO ultraviolet random laser diodes. <i>Applied Physics Letters</i> , 2010 , 96, 101116	3.4	80

160	Electroluminescence from AlN nanowires grown on p-SiC substrate. <i>Applied Physics Letters</i> , 2010 , 97, 191105	3.4	11
159	Wide bandwidth lasing randomly assembled ZnS/ZnO biaxial nanobelt heterostructures. <i>Applied Physics Letters</i> , 2010 , 96, 141115	3.4	10
158	Long-wavelength optical transmission of extremely narrow slits via hybrid surface-plasmon and Fabry-Pérot modes. <i>Journal of Applied Physics</i> , 2010 , 108, 013302	2.5	9
157	Tunable Surface Plasmon Resonance of Gold Nanoparticles Self-Assembled on Fused Silica Substrate. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, K96		10
156	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
155	Edge-emitting ultraviolet n-ZnO:Al/i-ZnO/p-GaN heterojunction light-emitting diode with a rib waveguide. <i>Optics Express</i> , 2010 , 18, 3687-92	3.3	10
154	Random lasing action of randomly assembled ZnO nanowires with MgO coating. <i>Optics Express</i> , 2010 , 18, 13647-54	3.3	24
153	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
152	Electrically tunable white-color electroluminescence from Si-implanted silicon nitride thin film. <i>Optics Express</i> , 2010 , 18, 20439-44	3.3	27
151	Vectorial polariton solitons in semiconductor microcavities. <i>Optics Express</i> , 2010 , 18, 21219-24	3.3	12
150	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
149	Design of low-threshold compact Au-nanoparticle lasers. <i>Optics Letters</i> , 2010 , 35, 2535-7	3	26
148	Si-based light-emitting structure synthesized with low-energy ion implantation at a low dosage. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 595-8	1.3	
147	Bistable switching using an optical Tamm cavity with a Kerr medium. <i>Optics Communications</i> , 2010 , 283, 2622-2626	2	69
146	Excitation and Optimization Modeling of Surface Plasmon Polaritons in a Concentric Circular Metallic Grating Film. <i>Plasmonics</i> , 2010 , 5, 69-74	2.4	2
145	Extremely High Sensitive Plasmonic Refractive Index Sensors Based on Metallic Grating. <i>Plasmonics</i> , 2010 , 5, 389-394	2.4	28
144	Random Lasing Action from Randomly Assembled ZnS Nanosheets. <i>Nanoscale Research Letters</i> , 2010 , 5, 809-12	5	16
143	Bistabilities of Birefringent Vertical-Cavity Semiconductor Optical Amplifiers With Antiresonant Reflecting Optical Waveguide. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 11-18	2	5

142	Diffraction Characteristics of Concentric Circular Metal Grating Operating at Terahertz Regime. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 898-905	2	5
141	Optical and ferromagnetic characteristics of Mn doped ZnO thin films grown by filtered cathodic vacuum arc technique. <i>Thin Solid Films</i> , 2010 , 518, 7048-7052	2.2	4
140	Random laser action in dielectric-metal-dielectric surface plasmon waveguides. <i>Applied Physics Letters</i> , 2009 , 95, 231114	3.4	12
139	Magnetotransport properties of p-type carbon-doped ZnO thin films. <i>Applied Physics Letters</i> , 2009 , 95, 012505	3.4	70
138	High temperature excitonic lasing characteristics of randomly assembled SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2009 , 95, 131106	3.4	16
137	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
136	Randomly packed n-SnO ₂ nanorods/p-SiC heterojunction light-emitting diodes. <i>Applied Physics Letters</i> , 2009 , 95, 201104	3.4	27
135	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
134	Modal characteristics of terahertz surface-emitting distributed-feedback lasers with a second-order concentric-circular metal grating. <i>Journal of Applied Physics</i> , 2009 , 106, 053103	2.5	4
133	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
132	Wide tunable ultraviolet random lasing action from ZnMgO thin films. <i>Journal of Crystal Growth</i> , 2009 , 312, 16-18	1.6	8
131	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
130	Design and analysis of two-dimensional high-index-contrast grating surface-emitting lasers. <i>Optics Express</i> , 2009 , 17, 260-5	3.3	11
129	Design and analysis of a surface plasmon polariton modulator using the electro-optic effect. <i>Applied Optics</i> , 2009 , 48, 6600-5	0.2	5
128	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
127	Ultraviolet coherent random lasing in randomly assembled SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2009 , 94, 241121	3.4	43
126	Suppression of Random Lasing Modes in Polycrystalline ZnO Thin-Film by Using Distributed Bragg Reflector. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 549-551	2.2	2
125	ZnO/ZnMgO Multiple Quantum-Well Ridge Waveguide Lasers. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1624-1626	2.2	3

124	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
123	A surface-emitting distributed-feedback plasmonic laser. <i>Applied Physics Letters</i> , 2009 , 95, 141114	3.4	11
122	Ultraviolet Laser Action in Ferromagnetic Zn _{1-x} Fe _x O Nanoneedles. <i>Nanoscale Research Letters</i> , 2009 , 5, 247-51	5	12
121	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
120	Analysis and Design of Antiresonant Reflecting Optical Waveguide Vertical-Cavity Surface-Emitting Lasers for Above-Threshold Operation. <i>Journal of Lightwave Technology</i> , 2008 , 26, 1935-1942	4	1
119	Multiple-Mode Behavior of Circular-Grating-Coupled Distributed Feedback Lasers. <i>Journal of Lightwave Technology</i> , 2008 , 26, 3345-3354	4	2
118	Near-field focusing properties of zone plates in visible regime--new insights. <i>Optics Express</i> , 2008 , 16, 9554-64	3.3	48
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	Modeling of Rabi splitting in quantum well microcavities using time-dependent transfer matrix method. <i>Optics Express</i> , 2008 , 16, 19285-90	3.3	2
115	Visible red random lasing in Y ₂ O ₃ :Eu ³⁺ /ZnO polycrystalline thin films by energy transfer from ZnO films to Eu ³⁺ . <i>Applied Physics Letters</i> , 2008 , 93, 151105	3.4	25
114	Design of Stable Single-Mode Chaotic Light Source Using Antiresonant Reflecting Optical Waveguide Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 338-345	3.4	1
113	Static and Dynamic Modeling of Circular Grating-Coupled Distributed Feedback Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 770-776	2	7
112	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
111	Lasing threshold dependence on excitation pulse duration in ZnO tetrapods. <i>Optical Materials</i> , 2008 , 31, 35-38	3.3	8
110	Ferromagnetic Cu-doped AlN nanorods. <i>Nanotechnology</i> , 2007 , 18, 105601	3.4	35
109	Edge-Emitting Vertically Aligned ZnO Nanorods Random Laser on Plastic Substrate. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1792-1794	2.2	15
108	Zn-interstitial-enhanced ferromagnetism in Cu-doped ZnO films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 315, 107-110	2.8	68
107	Introduction to the OQE Special Issue on Numerical Simulation of Optoelectronic Devices. <i>Optical and Quantum Electronics</i> , 2007 , 38, 933-934	2.4	

106	Low-temperature fabrication and random laser action of doped zinc oxide nanoneedles. <i>Surface Science</i> , 2007 , 601, 4459-4464	1.8	11
105	Influence of charge trapping on electroluminescence from Si-nanocrystal light emitting structure. <i>Journal of Applied Physics</i> , 2007 , 101, 104306	2.5	21
104	Ferromagnetic copper-doped ZnO deposited on plastic substrates. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 236214	1.8	9
103	Lasing in electrodeposited ZnO inverse opal. <i>Applied Physics Letters</i> , 2007 , 91, 161116	3.4	27
102	Exciton radiative lifetime in ZnO nanorods fabricated by vapor phase transport method. <i>Applied Physics Letters</i> , 2007 , 90, 013107	3.4	65
101	Ultraviolet photoluminescence from ferromagnetic Fe-doped AlN nanorods. <i>Applied Physics Letters</i> , 2007 , 90, 193118	3.4	35
100	Photon-induced conduction modulation in SiO ₂ thin films embedded with Ge nanocrystals. <i>Applied Physics Letters</i> , 2007 , 90, 103102	3.4	10
99	Magnetic anisotropy in the ferromagnetic Cu-doped ZnO nanoneedles. <i>Applied Physics Letters</i> , 2007 , 90, 032509	3.4	87
98	Fabrication and Optical Properties of ZnO Quantum Dots. <i>Advanced Materials Research</i> , 2007 , 31, 71-73	0.5	
97	Temperature dependent exciton radiative lifetime in ZnO nanorods. <i>International Journal of Nanotechnology</i> , 2007 , 4, 404	1.5	
96	Field emission from copper phthalocyanine and copper hexadecafluorophthalocyanine nanowires. <i>Materials Letters</i> , 2007 , 61, 3842-3846	3.3	15
95	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
94	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
93	Room-temperature growth of carbon nanofibers on plastic substrates. <i>Surface Science</i> , 2006 , 600, 3663-3667	3.6	27
92	High-Temperature Lasing Characteristics of ZnO Epilayers. <i>Advanced Materials</i> , 2006 , 18, 771-774	2.4	37
91	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	2.4	98
90	Directional edge-emitting UV random laser diodes. <i>Applied Physics Letters</i> , 2006 , 89, 221109	3.4	79
89	High-temperature random lasing in ZnO nanoneedles. <i>Applied Physics Letters</i> , 2006 , 89, 011103	3.4	39

88	Polarization characteristics of ZnO rib waveguide random lasers. <i>Applied Physics Letters</i> , 2006 , 88, 091116-4	3.4	7
87	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
86	Simultaneous formation of visible and ultraviolet random lasings in ZnO films. <i>Applied Physics Letters</i> , 2006 , 89, 021110	3.4	39
85	Exciton radiative lifetime in ZnO quantum dots embedded in SiO _x matrix. <i>Applied Physics Letters</i> , 2006 , 88, 221903	3.4	27
84	Fabrication of inorganic GeO ₂ :SiO ₂ channel waveguides by ultraviolet imprinting technique. <i>Applied Physics Letters</i> , 2006 , 89, 071105	3.4	4
83	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
82	Theoretical investigation of excitonic gain in ZnO--Mg/sub x/Zn/sub 1-x/O strained quantum wells. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 455-463	2	7
81	?Wavelength-tunable and high-temperature lasing in ZnMgO nanoneedles. <i>Applied Physics Letters</i> , 2006 , 89, 081107	3.4	19
80	Theoretical Studies of Polarization Bistability in Birefringent ARROW VCSELs. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 1107-1114	2	2
79	Local measurement of secondary electron emission from ZnO-coated carbon nanotubes. <i>Nanotechnology</i> , 2006 , 17, 1564-7	3.4	24
78	Influence of Surface Roughness on the Lasing Performance of Highly Disordered ZnO Films. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2380-2382	2.2	9
77	Design and analysis of large-area vertical-cavity semiconductor optical amplifiers with anti-resonant reflecting optical waveguide. <i>Journal of Lightwave Technology</i> , 2006 , 24, 526-535	4	2
76	Enhanced secondary electron emission from group III nitride/ZnO coaxial nanorod heterostructures. <i>Small</i> , 2006 , 2, 736-40	11	10
75	Electronic structures of wurtzite ZnO and ZnO/MgZnO quantum well. <i>Journal of Crystal Growth</i> , 2006 , 287, 28-33	1.6	29
74	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
73	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
72	Enhanced photosensitivity in sol-gel derived 20GeO ₂ :80SiO ₂ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 82, 535-541	2.6	9
71	Transient response of ARROW VCSELs. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 140-147	2	3

70	Formation conditions of random laser cavities in annealed ZnO epilayers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 970-973	2	12
69	Laser action in ZnO nanoneedles selectively grown on silicon and plastic substrates. <i>Applied Physics Letters</i> , 2005 , 87, 013104	3-4	68
68	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
67	Ultraviolet amplified spontaneous emission from self-organized network of zinc oxide nanofibers. <i>Applied Physics Letters</i> , 2005 , 86, 011118	3-4	59
66	Metal-oxide-SiO ₂ /composite ZnO lasers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1815-1817	2.2	6
65	Field emission from zinc oxide nanoneedles on plastic substrates. <i>Nanotechnology</i> , 2005 , 16, 1300-1303	3-4	48
64	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
63	Fabrication of n-ZnO:Al ₂ O ₃ -SiC(4H) heterojunction light-emitting diodes by filtered cathodic vacuum arc technique. <i>Applied Physics Letters</i> , 2005 , 86, 241111	3-4	92
62	Flexible ultraviolet random lasers based on nanoparticles. <i>Small</i> , 2005 , 1, 956-9	11	41
61	Aligned InN nanofingers prepared by the ion-beam assisted filtered cathodic vacuum arc technique. <i>Nanotechnology</i> , 2005 , 16, 3069-3073	3-4	8
60	Strain dependence of lasing mechanisms in ZnO epilayers. <i>Applied Physics Letters</i> , 2005 , 86, 261111	3-4	36
59	Random laser action in ZnO nanorod arrays embedded in ZnO epilayers. <i>Applied Physics Letters</i> , 2004 , 84, 3241-3243	3-4	190
58	Ultraviolet Lasing Phenomenon of Zinc Oxide Hexagonal Microtubes. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 5273-5278	1.4	10
57	A new theoretical basis of higher-derivative optical differentiators. <i>Optics Communications</i> , 2004 , 230, 115-129	2	83
56	ZnO thin films produced by filtered cathodic vacuum arc technique. <i>Ceramics International</i> , 2004 , 30, 1669-1674	5.1	18
55	Zinc oxide thin-film random lasers on silicon substrate. <i>Applied Physics Letters</i> , 2004 , 84, 3244-3246	3-4	121
54	Suppression of polarization switching in birefringent antiresonant reflecting optical waveguide vertical-cavity surface-emitting lasers. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 711-713	2.2	3
53	Transient response of ARROW VCSELs under external optical feedback. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1610-1612	2.2	3

52	Sol-gel ZnO-SiO ₂ /sub 2/ composite waveguide ultraviolet lasers. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2418-2420	2.2	16
51	Transverse-leaky-mode characteristics of ARROW VCSELs. <i>Journal of Lightwave Technology</i> , 2004 , 22, 1797-1804	4	9
50	Experimental and theoretical analysis of argon plasma-enhanced quantum-well intermixing. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 166-174	2	25
49	Design and fabrication of zinc oxide thin-film ridge waveguides on silicon substrate with ultraviolet amplified spontaneous emission. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 406-412	2	7
48	High-power single-mode ZnO thin-film random lasers. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1186-1194	2	16
47	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
46	Time-domain travelling-wave algorithms on the analysis of distributed feedback lasers. <i>IEE Proceedings: Optoelectronics</i> , 2003 , 150, 266-272		4
45	Introduction to the issue on optoelectronic device simulation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003 , 9, 685-687	3.8	
44	Evolution of visible luminescence in ZnO by thermal oxidation of zinc films. <i>Chemical Physics Letters</i> , 2003 , 375, 113-118	2.5	69
43	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. <i>Chemical Physics Letters</i> , 2003 , 377, 329-332	2.5	37
42	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
41	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
40	Design and analysis of cylindrical antiresonant reflecting optical waveguide. <i>Journal of Lightwave Technology</i> , 2003 , 21, 3379-3386	4	10
39	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
38	Ultraviolet amplified spontaneous emission from zinc oxide ridge waveguides on silicon substrate. <i>Applied Physics Letters</i> , 2003 , 83, 4288-4290	3.4	50
37	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
36	Room-Temperature Ultraviolet Lasing from Zinc Oxide Microtubes. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L1229-L1231	1.4	74
35	Simple model for DFB laser integrated with Mach-Zehnder modulator 2002 , 4905, 243		

34	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
33	Performance of optical chaotic communication systems using multimode vertical cavity surface emitting lasers. <i>Optics Communications</i> , 2001 , 200, 143-152	2	25
32	Split-step reconstruction technique for the analysis of soliton propagation 2000 , 3944, 953		
31	Nonlinear soliton propagation by use of the split-step reconstruction technique. <i>Applied Optics</i> , 2000 , 39, 3632-7	1.7	
30	Second-harmonic distortion in vertical-cavity surface-emitting lasers with lateral loss effects. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1999 , 5, 546-552	3.8	5
29	Nonlinear dynamics of vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1999 , 35, 332-341	2	44
28	Proposed enhancement of single mode operation in VCSELs using diffused quantum well structure 1998 , 30, 71-77		3
27	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
26	Semiconductor lasers using diffused quantum-well structures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 723-735	3.8	14
25	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
24	An improved time-domain traveling-wave model for vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1998 , 34, 1938-1948	2	7
23	Numerical analysis of nonlinear soliton propagation phenomena using the fuzzy mesh analysis technique. <i>IEEE Journal of Quantum Electronics</i> , 1998 , 34, 2029-2035	2	4
22	Theoretical analysis of polarization bistability in vertical cavity surface emitting semiconductor lasers. <i>Journal of Lightwave Technology</i> , 1997 , 15, 1032-1041	4	29
21	Dynamic behavior of double-tapered-waveguide distributed feedback lasers. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 1260-1267	2	2
20	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
19	High-power single-mode operation in DFB and FP lasers using diffused quantum-well structure. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 999-1009	2	7
18	Dynamic analysis of erbium-doped optically pumped waveguide lasers using a time-domain travelling wave model. <i>Optical and Quantum Electronics</i> , 1997 , 29, 683-696	2.4	1
17	Analysis of a DPSK soliton transmission system. <i>Optics and Laser Technology</i> , 1997 , 29, 411-414	4.2	4

16	Proposed enhancement of side-mode suppression ratio in $\pi/4$ shifted distributed feedback lasers with nonuniform diffused quantum wells. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 482-484	2.2	11
15	Improvement of Fourier series analysis technique by time-domain window function. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 1364-1366	2.2	4
14	Influence of lateral field on the relaxation oscillation frequency of semiconductor lasers. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 1-3	2	5
13	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
12	Dynamic behavior of vertical-cavity surface-emitting lasers. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 1168-1179	2	52
11	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
10	Influence of transverse modes on the dynamic response of vertical cavity surface emitting lasers. <i>IEE Proceedings: Optoelectronics</i> , 1996 , 143, 189-194		11
9	Effects of lateral modes on the static and dynamic behaviour of buried heterostructure DFB lasers. <i>IEE Proceedings: Optoelectronics</i> , 1995 , 142, 97-102		5
8	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
7	Large-signal dynamic behavior of distributed-feedback lasers including lateral effects. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 1740-1750	2	8
6	Spatial active optical switching by using grating coupled surface emitting DFB lasers. <i>Electronics Letters</i> , 1993 , 29, 1147	1.1	
5	Effect of external reflectors on radiation profile of grating coupled surface emitting lasers. <i>IEE Proceedings, Part J: Optoelectronics</i> , 1993 , 140, 30		7
4	Vertical-cavity surface-emitting semiconductor lasers with diffused quantum wells		1
3	All-Inorganic Perovskite Polymer/Ceramics for Flexible and Refreshable X-Ray Imaging. <i>Advanced Functional Materials</i> , 2107424	15.6	18
2	Stable Single-Mode Lasing from a Hybrid Perovskite Polymer Fiber. <i>Advanced Optical Materials</i> , 2200439	8.1	0
1	Multiple exciton generation in tin-based halide perovskite nanocrystals for photocurrent quantum efficiency enhancement. <i>Nature Photonics</i> ,	33.9	6