

Siu F Yu

List of Publications by Year in descending order

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273
papers

10,535
citations

30047

54
h-index

42364

92
g-index

276
all docs

276
docs citations

276
times ranked

12357
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence study of ZnO films prepared by thermal oxidation of Zn metallic films in air. Journal of Applied Physics, 2003, 94, 354-358.	1.1	385
2	Selective Decoration of Au Nanoparticles on Monolayer MoS ₂ Single Crystals. Scientific Reports, 2013, 3, 1839.	1.6	380
3	Stable Superhydrophobic Surface via Carbon Nanotubes Coated with a ZnO Thin Film. Journal of Physical Chemistry B, 2005, 109, 7746-7748.	1.2	328
4	Carbon nanotube membranes with ultrahigh specific adsorption capacity for water desalination and purification. Nature Communications, 2013, 4, 2220.	5.8	328
5	Upconverting Near-Infrared Light through Energy Management in Core-Shell Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 13419-13423.	7.2	315
6	Hierarchical Assembly of ZnO Nanostructures on SnO ₂ Backbone Nanowires: Low-Temperature Hydrothermal Preparation and Optical Properties. ACS Nano, 2009, 3, 3069-3076.	7.3	260
7	Confining energy migration in upconversion nanoparticles towards deep ultraviolet lasing. Nature Communications, 2016, 7, 10304.	5.8	255
8	Comprehensive study of ZnO films prepared by filtered cathodic vacuum arc at room temperature. Journal of Applied Physics, 2003, 94, 1597-1604.	1.1	211
9	Random laser action in ZnO nanorod arrays embedded in ZnO epilayers. Applied Physics Letters, 2004, 84, 3241-3243.	1.5	210
10	2D Layered Materials of Rare-Earth Er-Doped MoS ₂ with NIR-to-NIR Down- and Up-Conversion Photoluminescence. Advanced Materials, 2016, 28, 7472-7477.	11.1	180
11	Dynamic analysis of radiation and side-mode suppression in a second-order DFB laser using time-domain large-signal traveling wave model. IEEE Journal of Quantum Electronics, 1994, 30, 1389-1395.	1.0	164
12	An efficient and stable fluorescent graphene quantum dot-agar composite as a converting material in white light emitting diodes. Journal of Materials Chemistry, 2012, 22, 22378.	6.7	162
13	Integrated Terahertz Graphene Modulator with 100% Modulation Depth. ACS Photonics, 2015, 2, 1559-1566.	3.2	158
14	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO ₂ @CaF ₂ :Yb ³⁺ ,Er ³⁺ hybrid core-shell-satellite nanostructures. Light: Science and Applications, 2017, 6, e16217-e16217.	7.7	155
15	Observation of Lasing Emission from Carbon Nanodots in Organic Solvents. Advanced Materials, 2012, 24, 2263-2267.	11.1	146
16	Zinc oxide thin-film random lasers on silicon substrate. Applied Physics Letters, 2004, 84, 3244-3246.	1.5	133
17	Enhancement of near-band-edge photoluminescence from ZnO films by face-to-face annealing. Journal of Crystal Growth, 2003, 259, 335-342.	0.7	129
18	Origin of room temperature ferromagnetism in ZnO:Cu films. Journal of Applied Physics, 2006, 99, 086101.	1.1	121

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19	Amplified Spontaneous Emission and Lasing from Lanthanide-Doped Up-Conversion Nanocrystals. ACS Nano, 2013, 7, 11420-11426.	7.3	116
20	Topological edge plasmon modes between diatomic chains of plasmonic nanoparticles. Optics Express, 2015, 23, 2021.	1.7	111
21	A new theoretical basis of higher-derivative optical differentiators. Optics Communications, 2004, 230, 115-129.	1.0	109
22	UV Random Lasing Action in p-SiC(4H)/i-ZnO/SiO ₂ Nanocomposite/n-ZnO:Al Heterojunction Diodes. Advanced Materials, 2006, 18, 1685-1688.	11.1	108
23	Enhancing Multiphoton Upconversion from NaYF ₄ :Yb/Tm@NaYF ₄ Core-Shell Nanoparticles via the Use of Laser Cavity. ACS Nano, 2017, 11, 843-849.	7.3	106
24	Direct Growth of ZnO Nanocrystals onto the Surface of Porous TiO ₂ Nanotube Arrays for Highly Efficient and Recyclable Photocatalysts. Small, 2009, 5, 2260-2264.	5.2	105
25	Phonon-Assisted Population Inversion in Lanthanide-Doped Upconversion Ba ₂ LaF ₇ Nanocrystals in Glass-Ceramics. Advanced Materials, 2016, 28, 8045-8050.	11.1	104
26	Magnetic anisotropy in the ferromagnetic Cu-doped ZnO nanoneedles. Applied Physics Letters, 2007, 90, 032509.	1.5	102
27	Preparation and characterization of few-layer MoS ₂ nanosheets and their good nonlinear optical responses in the PMMA matrix. Nanoscale, 2014, 6, 9713-9719.	2.8	98
28	Fabrication of n-ZnO:Al/p-SiC(4H) heterojunction light-emitting diodes by filtered cathodic vacuum arc technique. Applied Physics Letters, 2005, 86, 241111.	1.5	97
29	Bistable switching using an optical Tamm cavity with a Kerr medium. Optics Communications, 2010, 283, 2622-2626.	1.0	94
30	MnO ₂ /onion-like carbon nanocomposites for pseudocapacitors. Journal of Materials Chemistry, 2012, 22, 17584.	6.7	91
31	Core-leaf onion-like carbon/MnO ₂ hybrid nano-urchins for rechargeable lithium-ion batteries. Carbon, 2013, 64, 230-236.	5.4	91
32	Directional edge-emitting UV random laser diodes. Applied Physics Letters, 2006, 89, 221109.	1.5	89
33	Enhancement of ultraviolet lasing from Ag-coated highly disordered ZnO films by surface-plasmon resonance. Applied Physics Letters, 2007, 90, 231106.	1.5	88
34	Room-Temperature Ultraviolet Lasing from Zinc Oxide Microtubes. Japanese Journal of Applied Physics, 2003, 42, L1229-L1231.	0.8	86
35	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. ACS Nano, 2018, 12, 3623-3628.	7.3	86
36	Directional and controllable edge-emitting ZnO ultraviolet random laser diodes. Applied Physics Letters, 2010, 96, .	1.5	85

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37	Laser action in ZnO nanoneedles selectively grown on silicon and plastic substrates. Applied Physics Letters, 2005, 87, 013104.	1.5	77
38	Zn-interstitial-enhanced ferromagnetism in Cu-doped ZnO films. Journal of Magnetism and Magnetic Materials, 2007, 315, 107-110.	1.0	77
39	Magnetotransport properties of p-type carbon-doped ZnO thin films. Applied Physics Letters, 2009, 95, .	1.5	76
40	Evolution of visible luminescence in ZnO by thermal oxidation of zinc films. Chemical Physics Letters, 2003, 375, 113-118.	1.2	75
41	Band parameters and electronic structures of wurtzite ZnO and ZnO ⁺ MgZnO quantum wells. Journal of Applied Physics, 2006, 99, 013702.	1.1	74
42	Exciton radiative lifetime in ZnO nanorods fabricated by vapor phase transport method. Applied Physics Letters, 2007, 90, 013107.	1.5	74
43	White-Light Whispering-Gallery-Mode Lasing from Lanthanide-Doped Upconversion NaYF ₄ Hexagonal Microrods. ACS Photonics, 2017, 4, 1539-1543.	3.2	71
44	ZnO random laser diode arrays for stable single-mode operation at high power. Applied Physics Letters, 2010, 97, .	1.5	70
45	All-Inorganic Perovskite Polymer-Ceramics for Flexible and Refreshable X-Ray Imaging. Advanced Functional Materials, 2022, 32, 2107424.	7.8	69
46	Dynamic behavior of vertical-cavity surface-emitting lasers. IEEE Journal of Quantum Electronics, 1996, 32, 1168-1179.	1.0	67
47	Highly efficient and ultra-narrow bandwidth orange emissive carbon dots for microcavity lasers. Nanoscale, 2019, 11, 11577-11583.	2.8	66
48	Ultraviolet amplified spontaneous emission from self-organized network of zinc oxide nanofibers. Applied Physics Letters, 2005, 86, 011118.	1.5	65
49	Engineering the intermediate band states in amorphous Ti ³⁺ -doped TiO ₂ for hybrid dye-sensitized solar cell applications. Journal of Materials Chemistry A, 2015, 3, 11437-11443.	5.2	65
50	Near-field focusing properties of zone plates in visible regime - New insights. Optics Express, 2008, 16, 9554.	1.7	64
51	Theoretical analysis of modulation response and second-order harmonic distortion in vertical-cavity surface-emitting lasers. IEEE Journal of Quantum Electronics, 1996, 32, 2139-2147.	1.0	63
52	AlN nanowires: synthesis, physical properties, and nanoelectronics applications. Journal of Materials Science, 2012, 47, 5341-5360.	1.7	57
53	Surface plasmon enhanced electrically pumped random lasers. Nanoscale, 2013, 5, 513-517.	2.8	57
54	Tuning nonlinear optical absorption properties of WS ₂ nanosheets. Nanoscale, 2015, 7, 17771-17777.	2.8	57

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55	Ultrashort laser pulse doubling by metal-halide perovskite multiple quantum wells. Nature Communications, 2020, 11, 3361.	5.8	57
56	Ultraviolet amplified spontaneous emission from zinc oxide ridge waveguides on silicon substrate. Applied Physics Letters, 2003, 83, 4288-4290.	1.5	56
57	Nonlinear dynamics of vertical-cavity surface-emitting lasers. IEEE Journal of Quantum Electronics, 1999, 35, 332-341.	1.0	55
58	Realization of lasing emission from graphene quantum dots using titanium dioxide nanoparticles as light scatterers. Nanoscale, 2013, 5, 1797.	2.8	52
59	Field emission from zinc oxide nanoneedles on plastic substrates. Nanotechnology, 2005, 16, 1300-1303.	1.3	51
60	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. Journal of Physical Chemistry C, 2013, 117, 23108-23116.	1.5	51
61	Energy Migration Upconversion in Ce(III)-Doped Heterogeneous Core-Shell Nanoparticles. Small, 2017, 13, 1701479.	5.2	51
62	Ultraviolet coherent random lasing in randomly assembled SnO ₂ nanowires. Applied Physics Letters, 2009, 94, .	1.5	49
63	Wide-bandwidth lasing from C-dot/epoxy nanocomposite Fabry-Perot cavities with ultralow threshold. Journal of Materials Chemistry C, 2014, 2, 1525.	2.7	49
64	Large-area color controllable remote carbon white-light light-emitting diodes. Carbon, 2015, 85, 344-350.	5.4	49
65	Amplified Spontaneous Emission from Organic-Inorganic Hybrid Lead Iodide Perovskite Single Crystals under Direct Multiphoton Excitation. Advanced Optical Materials, 2016, 4, 1053-1059.	3.6	47
66	Flexible Ultraviolet Random Lasers Based on Nanoparticles. Small, 2005, 1, 956-959.	5.2	46
67	Numerical Study of Gain-Assisted Terahertz Hybrid Plasmonic Waveguide. Plasmonics, 2012, 7, 571-577.	1.8	46
68	Low-loss and directional output ZnO thin-film ridge waveguide random lasers with MgO capped layer. Applied Physics Letters, 2005, 86, 031112.	1.5	45
69	High-temperature random lasing in ZnO nanoneedles. Applied Physics Letters, 2006, 89, 011103.	1.5	42
70	Simultaneous formation of visible and ultraviolet random lasings in ZnO films. Applied Physics Letters, 2006, 89, 021110.	1.5	42
71	Subwavelength focusing behavior of high numerical-aperture phase Fresnel zone plates under various polarization states. Applied Physics Letters, 2009, 95, .	1.5	42
72	Unlocking surface octahedral tilt in two-dimensional Ruddlesden-Popper perovskites. Nature Communications, 2022, 13, 138.	5.8	42

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73	Ultraviolet photoluminescence from ferromagnetic Fe-doped AlN nanorods. Applied Physics Letters, 2007, 90, 193118.	1.5	41
74	Ultraviolet Electroluminescence from Randomly Assembled In-SnO_2 Nanowires p-GaN:Mg Heterojunction. ACS Applied Materials & Interfaces, 2010, 2, 1191-1194.	4.0	41
75	High-Temperature Lasing Characteristics of ZnO Epilayers. Advanced Materials, 2006, 18, 771-774.	11.1	40
76	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped $\text{Lu}_6\text{O}_5\text{F}_8$ Upconversion Nanocrystals. Advanced Optical Materials, 2020, 8, 1900968.	3.6	40
77	Multiple exciton generation in tin-lead halide perovskite nanocrystals for photocurrent quantum efficiency enhancement. Nature Photonics, 2022, 16, 485-490.	15.6	40
78	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. Chemical Physics Letters, 2003, 377, 329-332.	1.2	39
79	Strain dependence of lasing mechanisms in ZnO epilayers. Applied Physics Letters, 2005, 86, 261111.	1.5	39
80	Ferromagnetic Cu-doped AlN nanorods. Nanotechnology, 2007, 18, 105601.	1.3	39
81	Design and fabrication of ZnO light-emitting devices using filtered cathodic vacuum arc technique. Journal of Crystal Growth, 2006, 287, 204-212.	0.7	37
82	Theoretical analysis of polarization bistability in vertical cavity surface emitting semiconductor lasers. Journal of Lightwave Technology, 1997, 15, 1032-1041.	2.7	36
83	Electronic structures of wurtzite ZnO and ZnO/MgZnO quantum well. Journal of Crystal Growth, 2006, 287, 28-33.	0.7	32
84	Extremely High Sensitive Plasmonic Refractive Index Sensors Based on Metallic Grating. Plasmonics, 2010, 5, 389-394.	1.8	32
85	Investigation of Multilayer Subwavelength Metallic-Dielectric Stratified Structures. IEEE Journal of Quantum Electronics, 2012, 48, 1554-1559.	1.0	32
86	Design of low-threshold compact Au-nanoparticle lasers. Optics Letters, 2010, 35, 2535.	1.7	30
87	Self-Doped Rutile Titania with High Performance for Direct and Ultrafast Assay of H_2O_2 . ACS Applied Materials & Interfaces, 2013, 5, 12784-12788.	4.0	30
88	Room-temperature growth of carbon nanofibers on plastic substrates. Surface Science, 2006, 600, 3663-3667.	0.8	29
89	Exciton radiative lifetime in ZnO quantum dots embedded in SiO_x matrix. Applied Physics Letters, 2006, 88, 221903.	1.5	29
90	Lasing in electrodeposited ZnO inverse opal. Applied Physics Letters, 2007, 91, 161116.	1.5	29

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91	Randomly packed n-SnO ₂ nanorods/p-SiC heterojunction light-emitting diodes. Applied Physics Letters, 2009, 95, 201104.	1.5	29
92	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. Applied Physics Letters, 2013, 102, 031119.	1.5	29
93	Experimental and Theoretical Analysis of Argon Plasma-Enhanced Quantum-Well Intermixing. IEEE Journal of Quantum Electronics, 2004, 40, 166-174.	1.0	28
94	Ferromagnetic Cu doped ZnO as an electron injector in heterojunction light emitting diodes. Journal of Applied Physics, 2008, 104, .	1.1	28
95	Electrically tunable white-color electroluminescence from Si-implanted silicon nitride thin film. Optics Express, 2010, 18, 20439.	1.7	28
96	Electrically pumped random lasers. Journal Physics D: Applied Physics, 2015, 48, 483001.	1.3	28
97	Broadband Ce(III)-Sensitized Quantum Cutting in Core-Shell Nanoparticles: Mechanistic Investigation and Photovoltaic Application. Journal of Physical Chemistry Letters, 2017, 8, 5099-5104.	2.1	28
98	Atomic-Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. Advanced Functional Materials, 2020, 30, 1906137.	7.8	28
99	Reality or fantasy? Perovskite semiconductor laser diodes. EcoMat, 2021, 3, e12077.	6.8	28
100	Performance of optical chaotic communication systems using multimode vertical cavity surface emitting lasers. Optics Communications, 2001, 200, 143-152.	1.0	27
101	Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. Applied Physics Letters, 2011, 98, 263101.	1.5	27
102	Room temperature deposition of p-type arsenic doped ZnO polycrystalline films by laser-assist filtered cathodic vacuum arc technique. Journal of Applied Physics, 2007, 101, 094905.	1.1	25
103	Visible red random lasing in Y ₂ O ₃ :Eu ³⁺ /ZnO polycrystalline thin films by energy transfer from ZnO films to Eu ³⁺ . Applied Physics Letters, 2008, 93, 151105.	1.5	25
104	Random lasing action of randomly assembled ZnO Nanowires with MgO coating. Optics Express, 2010, 18, 13647.	1.7	25
105	Photoluminescence enhancement in few-layer WS ₂ films via Au nanoparticles. AIP Advances, 2015, 5, .	0.6	25
106	Local measurement of secondary electron emission from ZnO-coated carbon nanotubes. Nanotechnology, 2006, 17, 1564-1567.	1.3	24
107	Split of surface plasmon resonance of gold nanoparticles on silicon substrate: a study of dielectric functions. Optics Express, 2010, 18, 21926.	1.7	24
108	Influence of charge trapping on electroluminescence from Si-nanocrystal light emitting structure. Journal of Applied Physics, 2007, 101, 104306.	1.1	23

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109	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.	1.5	23
110	Observation of white-light amplified spontaneous emission from carbon nanodots under laser excitation. <i>Optical Materials Express</i> , 2012, 2, 490.	1.6	23
111	Low-threshold lasing action in an asymmetric double ZnO/ZnMgO quantum well structure. <i>Applied Physics Letters</i> , 2013, 103, 131104.	1.5	23
112	Quasi mode-locking of coherent feedback random fiber laser. <i>Scientific Reports</i> , 2016, 6, 39703.	1.6	23
113	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.	1.3	22
114	Wavelength-tunable and high-temperature lasing in ZnMgO nanoneedles. <i>Applied Physics Letters</i> , 2006, 89, 081107.	1.5	22
115	Lasing Characteristics of $\text{CH}_3\text{NH}_3\text{PbCl}_3$ Single-Crystal Microcavities under Multiphoton Excitation. <i>Advanced Optical Materials</i> , 2018, 6, 1700992.	3.6	22
116	Plasmon-engineered anti-replacement synthesis of naked Cu nanoclusters with ultrahigh electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18687-18693.	5.2	22
117	Robust and Flexible Random Lasers Using Perovskite Quantum Dots Coated Nickel Foam for Speckle-Free Laser Imaging. <i>Small</i> , 2021, 17, e2103065.	5.2	22
118	Sol-Gel ZnO/SiO_2 Composite Waveguide Ultraviolet Lasers. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2418-2420.	1.3	21
119	Crystallite size-modulated exciton emission in SnO_2 nanocrystalline films grown by sputtering. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	21
120	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.	1.0	20
121	High-power single-mode ZnO thin-film random lasers. <i>IEEE Journal of Quantum Electronics</i> , 2004, 40, 1186-1194.	1.0	20
122	Random Lasing Action from Randomly Assembled ZnS Nanosheets. <i>Nanoscale Research Letters</i> , 2010, 5, 809-812.	3.1	20
123	Low divergence single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Optics Express</i> , 2013, 21, 31872.	1.7	20
124	Random lasing in Eu^{3+} -doped borate glass-ceramic embedded with Ag nanoparticles under direct three-photon excitation. <i>Nanoscale</i> , 2015, 7, 16246-16250.	2.8	20
125	Lasing characteristics of single-crystalline CsPbCl_3 perovskite microcavities under multiphoton excitation. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 225101.	1.3	20
126	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.	2.1	20

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127	Analysis and design of vertical-cavity surface-emitting lasers for self-sustained pulsation operation. IEEE Journal of Quantum Electronics, 1998, 34, 497-505.	1.0	19
128	Frequency upconverted amplified spontaneous emission and lasing from inorganic perovskite under simultaneous six-photon absorption. Optics Letters, 2018, 43, 2066.	1.7	19
129	A quasi-three-dimensional large-signal dynamic model of distributed feedback lasers. IEEE Journal of Quantum Electronics, 1996, 32, 424-432.	1.0	18
130	Comprehensive modeling of diffused quantum-well vertical-cavity surface-emitting lasers. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 715-722.	1.9	18
131	ZnO thin films produced by filtered cathodic vacuum arc technique. Ceramics International, 2004, 30, 1669-1674.	2.3	18
132	Ultracompact 2 \times imes,2 Photonic Crystal Waveguide Power Splitter Based on Self-Imaging Effect Realized by Asymmetric Interference. IEEE Photonics Technology Letters, 2011, 23, 1151-1153.	1.3	18
133	Experimental demonstration of near-field focusing of a phase micro-Fresnel zone plate (FZP) under linearly polarized illumination. Applied Physics B: Lasers and Optics, 2011, 102, 95-100.	1.1	18
134	Low threshold amplified spontaneous emission from tin oxide quantum dots: a instantiation of dipole transition silence semiconductors. Nanoscale, 2013, 5, 11561.	2.8	18
135	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF ₄ Hexagonal Microrods. Inorganic Chemistry, 2018, 57, 8200-8204.	1.9	18
136	Measurement of deformation of the concrete sleepers under different support conditions using non-contact laser speckle imaging sensor. Engineering Structures, 2020, 205, 110054.	2.6	18
137	Semiconductor lasers using diffused quantum-well structures. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 723-735.	1.9	17
138	Edge-Emitting Vertically Aligned ZnO Nanorods Random Laser on Plastic Substrate. IEEE Photonics Technology Letters, 2007, 19, 1792-1794.	1.3	16
139	High temperature excitonic lasing characteristics of randomly assembled SnO ₂ nanowires. Applied Physics Letters, 2009, 95, .	1.5	16
140	Observation of Tamm plasmon polaritons in visible regime from ZnO/Al ₂ O ₃ distributed Bragg reflector Ag interface. Optics Communications, 2011, 284, 1890-1892.	1.0	16
141	Realization of multiphoton lasing from carbon nanodot microcavities. Nanoscale, 2017, 9, 5957-5963.	2.8	16
142	Double-tapered-waveguide distributed feedback lasers for high-power single-mode operation. IEEE Journal of Quantum Electronics, 1997, 33, 71-80.	1.0	15
143	Field emission from copper phthalocyanine and copper hexadecafluorophthalocyanine nanowires. Materials Letters, 2007, 61, 3842-3846.	1.3	15
144	Surface plasmonic lasing via the amplification of coupled surface plasmon waves inside dielectric-metal-dielectric waveguides. Optics Express, 2008, 16, 16113.	1.7	15

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145	Vectorial polariton solitons in semiconductor microcavities. <i>Optics Express</i> , 2010, 18, 21219.	1.7	15
146	Design and analysis of cylindrical antiresonant reflecting optical waveguide. <i>Journal of Lightwave Technology</i> , 2003, 21, 3379-3386.	2.7	14
147	Exciton related stimulated emission in ZnO polycrystalline thin film deposited by filtered cathodic vacuum arc technique. <i>Applied Physics Letters</i> , 2006, 88, 191112.	1.5	14
148	The formation characteristics of closed-loop random cavities inside highly disordered ZnO polycrystalline thin films. <i>Applied Physics Letters</i> , 2006, 88, 121126.	1.5	14
149	Static and Dynamic Modeling of Circular Grating-Coupled Distributed Feedback Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 770-776.	1.0	14
150	High-temperature lasing characteristics of randomly assembled ZnO nanowires with a ridge waveguide. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	14
151	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.	2.7	14
152	Improved performance of ZnO light-emitting devices by introducing a hole-injection layer. <i>Optics Express</i> , 2014, 22, 17524.	1.7	14
153	Ultraviolet Lasers Realized via Electrostatic Doping Method. <i>Scientific Reports</i> , 2015, 5, 13641.	1.6	14
154	Sevenâ€Photonâ€Excited Upconversion Lasing at Room Temperature. <i>Advanced Optical Materials</i> , 2018, 6, 1800518.	3.6	14
155	Electrochemically assisted flexible lanthanide upconversion luminescence sensing of heavy metal contamination with high sensitivity and selectivity. <i>Nanoscale Advances</i> , 2019, 1, 265-272.	2.2	14
156	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.	1.9	14
157	Influence of transverse modes on the dynamic response of vertical cavity surface emitting lasers. <i>IEE Proceedings: Optoelectronics</i> , 1996, 143, 189-194.	0.8	13
158	Transverse-Leaky-Mode Characteristics of ARROW VCSELs. <i>Journal of Lightwave Technology</i> , 2004, 22, 1797-1804.	2.7	13
159	Formation conditions of random laser cavities in annealed ZnO epilayers. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 970-973.	1.0	13
160	Enhanced Secondary Electron Emission from Groupâ€III Nitride/ZnO Coaxial Nanorod Heterostructures. <i>Small</i> , 2006, 2, 736-740.	5.2	13
161	Random laser action in dielectric-metal-dielectric surface plasmon waveguides. <i>Applied Physics Letters</i> , 2009, 95, 231114.	1.5	13
162	High-temperature lasing characteristics of randomly assembled SnO ₂ backbone nanowires coated with ZnO nanofins. <i>Journal of Applied Physics</i> , 2009, 106, 123105.	1.1	13

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163	Ultraviolet Laser Action in Ferromagnetic Zn _{1-x} Fe _x O Nanoneedles. <i>Nanoscale Research Letters</i> , 2010, 5, 247-51.	3.1	13
164	Ultraviolet Random Lasing Action from Highly Disordered n-AlN/p-GaN Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1726-1730.	4.0	13
165	Analysis of dielectric loaded surface plasmon waveguide structures: Transfer matrix method for plasmonic devices. <i>Journal of Applied Physics</i> , 2012, 111, 073108.	1.1	13
166	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.	1.3	12
167	Simple model for a distributed feedback laser integrated with a Mach-Zehnder modulator. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 1062-1074.	1.0	12
168	Polarization characteristics of ZnO rib waveguide random lasers. <i>Applied Physics Letters</i> , 2006, 88, 091116.	1.5	12
169	Low-temperature fabrication and random laser action of doped zinc oxide nanoneedles. <i>Surface Science</i> , 2007, 601, 4459-4464.	0.8	12
170	Wide bandwidth lasing randomly assembled ZnS/ZnO biaxial nanobelt heterostructures. <i>Applied Physics Letters</i> , 2010, 96, 141115.	1.5	12
171	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.	1.7	12
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173	Ultraviolet Lasing Phenomenon of Zinc Oxide Hexagonal Microtubes. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5273-5278.	0.8	11
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