

# Gong-Ru Lin

## List of Publications by Year in descending order

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639  
papers

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47006

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74163

75  
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643  
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643  
docs citations

643  
times ranked

5891  
citing authors

#	ARTICLE	IF	CITATIONS
1	48 Gbit/s 16-QAM-OFDM transmission based on compact 450-nm laser for underwater wireless optical communication. Optics Express, 2015, 23, 23302.	3.4	266
2	Tricolor R/G/B Laser Diode Based Eye-Safe White Lighting Communication Beyond 8â€‰Gbit/s. Scientific Reports, 2017, 7, 11.	3.3	237
3	450-nm GaN laser diode enables high-speed visible light communication with 9-Gbps QAM-OFDM. Optics Express, 2015, 23, 13051.	3.4	236
4	Using n- and p-Type Bi <sub>2</sub> Te <sub>3</sub> Topological Insulator Nanoparticles To Enable Controlled Femtosecond Mode-Locking of Fiber Lasers. ACS Photonics, 2015, 2, 481-490.	6.6	197
5	Using graphene nano-particle embedded in photonic crystal fiber for evanescent wave mode-locking of fiber laser. Optics Express, 2013, 21, 16763.	3.4	182
6	Oxygen defect and Si nanocrystal dependent white-light and near-infrared electroluminescence of Si-implanted and plasma-enhanced chemical-vapor deposition-grown Si-rich SiO <sub>2</sub> . Journal of Applied Physics, 2005, 97, 094306.	2.5	178
7	Blue Laser Diode Enables Underwater Communication at 12.4â€‰Gbps. Scientific Reports, 2017, 7, 40480.	3.3	177
8	Stable mode-locked fiber laser based on CVD fabricated graphene saturable absorber. Optics Express, 2012, 20, 2460.	3.4	174
9	Going beyond 4 Gbps data rate by employing RGB laser diodes for visible light communication. Optics Express, 2015, 23, 18746.	3.4	127
10	Directly exfoliated and imprinted graphite nano-particle saturable absorber for passive mode-locking erbium-doped fiber laser. Laser Physics Letters, 2011, 8, 880-886.	1.4	126
11	Soliton compression of the erbium-doped fiber laser weakly started mode-locking by nanoscale p-type Bi <sub>2</sub> Te <sub>3</sub> topological insulator particles. Laser Physics Letters, 2014, 11, 055107.	1.4	125
12	Phosphorous Diffuser Diverged Blue Laser Diode for Indoor Lighting and Communication. Scientific Reports, 2015, 5, 18690.	3.3	118
13	Nanophotonic Switch: Gold-in-Ga <sub>2</sub> O <sub>3</sub> Peapod Nanowires. Nano Letters, 2008, 8, 3081-3085.	9.1	111
14	Improving carrier transport and light emission in a silicon-nanocrystal based MOS light-emitting diode on silicon nanopillar array. Applied Physics Letters, 2007, 91, .	3.3	93
15	Comparison on the electroluminescence of Si-rich SiNx and SiOx based light-emitting diodes. Applied Physics Letters, 2010, 96, .	3.3	91
16	4-Gbit/s visible light communication link based on 16-QAM OFDM transmission over remote phosphor-film converted white light by using blue laser diode. Optics Express, 2015, 23, 33656.	3.4	87
17	Concentration effect of carbon nanotube based saturable absorber on stabilizing and shortening mode-locked pulse. Optics Express, 2010, 18, 3592.	3.4	85
18	Nonlinear Absorption Applications of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Crystals. Advanced Functional Materials, 2018, 28, 1707175.	14.9	84

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19	Subwavelength Si nanowire arrays for self-cleaning antireflection coatings. <i>Journal of Materials Chemistry</i> , 2010, 20, 10924.	6.7	81
20	Multicolor electroluminescent Si quantum dots embedded in SiO <sub>x</sub> thin film MOSLED with 24% external quantum efficiency. <i>Optics Express</i> , 2013, 21, 391.	3.4	80
21	Free-standing nano-scale graphite saturable absorber for passively mode-locked erbium doped fiber ring laser. <i>Laser Physics Letters</i> , 2012, 9, 398-404.	1.4	77
22	L-band erbium-doped fiber laser with coupling-ratio controlled wavelength tunability. <i>Optics Express</i> , 2006, 14, 9743.	3.4	74
23	Multicolor $\text{ITO}/\text{SiO}_x/\text{p-Si}/\text{Al}$ Light Emitting Diodes With Improved Emission Efficiency by Small Si Quantum Dots. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 698-704.	1.9	74
24	Hydrogen-free PECVD growth of few-layer graphene on an ultra-thin nickel film at the threshold dissolution temperature. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3862.	5.5	72
25	Enhancing Optical Nonlinearity in a Nonstoichiometric SiN Waveguide for Cross-Wavelength All-Optical Data Processing. <i>ACS Photonics</i> , 2015, 2, 1141-1154.	6.6	72
26	Subpicosecond carrier lifetimes in arsenic-ion-implanted GaAs. <i>Applied Physics Letters</i> , 1995, 67, 3465-3467.	3.3	70
27	Kelly sideband variation and self four-wave-mixing in femtosecond fiber soliton laser mode-locked by multiple exfoliated graphite nano-particles. <i>Laser Physics Letters</i> , 2013, 10, 045109.	1.4	69
28	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7384.	2.5	69
29	Filtered Multicarrier OFDM Encoding on Blue Laser Diode for 14.8-Gbps Seawater Transmission. <i>Journal of Lightwave Technology</i> , 2018, 36, 1739-1745.	4.6	64
30	Si-rich SiNx based Kerr switch enables optical data conversion up to 12...Gbit/s. <i>Scientific Reports</i> , 2015, 5, 9611.	3.3	63
31	Toward high-speed visible laser lighting based optical wireless communications. <i>Progress in Quantum Electronics</i> , 2019, 67, 100225.	7.0	63
32	Low refractive index Si nanopillars on Si substrate. <i>Applied Physics Letters</i> , 2007, 90, 181923.	3.3	62
33	Enhanced Fowler-Nordheim tunneling effect in nanocrystallite Si based LED with interfacial Si nano-pyramids. <i>Optics Express</i> , 2007, 15, 2555.	3.4	62
34	ZnO/Al <sub>2</sub> O <sub>3</sub> core-shell nanorod arrays: growth, structural characterization, and luminescent properties. <i>Nanotechnology</i> , 2009, 20, 185605.	2.6	62
35	Defect-enhanced visible electroluminescence of multi-energy silicon-implanted silicon dioxide film. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 441-447.	1.9	60
36	High-Speed GaN-Based Green Light-Emitting Diodes With Partially n-Doped Active Layers and Current-Confined Apertures. <i>IEEE Electron Device Letters</i> , 2008, 29, 158-160.	3.9	60

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37	Optical 16-QAM-52-OFDM transmission at 4 Gbit/s by directly modulating a coherently injection-locked colorless laser diode. <i>Optics Express</i> , 2012, 20, 20071.	3.4	59
38	60-GHz Millimeter-wave Over Fiber with Directly Modulated Dual-mode Laser Diode. <i>Scientific Reports</i> , 2016, 6, 27919.	3.3	59
39	Manipulation of operation states by polarization control in an erbium-doped fiber laser with a hybrid saturable absorber. <i>Optics Express</i> , 2009, 17, 4806.	3.4	57
40	Long-Cavity Fabry-Perot Laser Amplifier Transmitter With Enhanced Injection-Locking Bandwidth for WDM-PON Application. <i>Journal of Lightwave Technology</i> , 2010, 28, 2925-2932.	4.6	57
41	1.2-ps mode-locked semiconductor optical amplifier fiber laser pulses generated by 60-ps backward dark-optical comb injection and soliton compression. <i>Optics Express</i> , 2005, 13, 1008.	3.4	56
42	Nanoscale charcoal powder induced saturable absorption and mode-locking of a low-gain erbium-doped fiber-ring laser. <i>Laser Physics Letters</i> , 2013, 10, 055105.	1.4	56
43	All-optical NRZ-to-PRZ format transformer with an injection-locked Fabry-Perot laser diode at unlasing condition. <i>Optics Express</i> , 2004, 12, 4449.	3.4	54
44	Photostriction of strontium ruthenate. <i>Nature Communications</i> , 2017, 8, 15018.	12.8	53
45	All-optical modulation based on silicon quantum dot doped SiO <sub>2</sub> :Si-QD waveguide. <i>Laser and Photonics Reviews</i> , 2014, 8, 766-776.	8.7	52
46	Dynamics of optical backward-injection-induced gain-depletion modulation and mode locking in semiconductor optical amplifier fiber lasers. <i>Optics Express</i> , 2004, 12, 2017.	3.4	51
47	Time-resolved photoluminescence and capacitance-voltage analysis of the neutral vacancy defect in silicon implanted SiO <sub>2</sub> on silicon substrate. <i>Journal of Applied Physics</i> , 2004, 96, 3025-3027.	2.5	49
48	Comparison on Injection-Locked Fabry-Perot Laser Diode With Front-Facet Reflectivity of 1% and 30% for Optical Data Transmission in WDM-PON System. <i>Journal of Lightwave Technology</i> , 2009, 27, 2779-2785.	4.6	48
49	Strong optical nonlinearity of the nonstoichiometric silicon carbide. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10164-10176.	5.5	47
50	Triturating versatile carbon materials as saturable absorptive nano powders for ultrafast pulsating of erbium-doped fiber lasers. <i>Optical Materials Express</i> , 2015, 5, 236.	3.0	46
51	Si-Rich Si <sub>m</sub> C <sub>1-m</sub> Light-Emitting Diodes With Buried Si Quantum Dots. <i>IEEE Photonics Journal</i> , 2012, 4, 1762-1775.	2.0	45
52	Single- and double-walled carbon nanotube based saturable absorbers for passive mode-locking of an erbium-doped fiber laser. <i>Laser Physics</i> , 2013, 23, 045105.	1.2	45
53	High-speed integrated micro-LED array for visible light communication. <i>Optics Letters</i> , 2020, 45, 2203.	3.3	45
54	Rational Harmonic Mode-Locking of Erbium-Doped Fiber Laser at 40 GHz Using a Loss-Modulated Fabry-Perot Laser Diode. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1810-1812.	2.5	44

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55	Harmonic Order-Dependent Pulsewidth Shortening of a Passively Mode-Locked Fiber Laser With a Carbon Nanotube Saturable Absorber. IEEE Photonics Journal, 2012, 4, 1542-1552.	2.0	44
56	Comparison of single-/few-/multi-mode 850 nm VCSELs for optical OFDM transmission. Optics Express, 2017, 25, 16347.	3.4	43
57	Microwatt MOSLED Using $\text{SiO}_2$ With Buried Si Nanocrystals on Si Nano-Pillar Array. Journal of Lightwave Technology, 2008, 26, 1486-1491.	4.6	42
58	850/940-nm VCSEL for optical communication and 3D sensing. Opto-Electronic Advances, 2018, 1, 18000501-18000511.	13.3	42
59	Improved blue-green electroluminescence of metal-oxide-semiconductor diode fabricated on multirecipe Si-implanted and annealed SiO <sub>2</sub> /Si substrate. Journal of Applied Physics, 2004, 95, 8484-8486.	2.5	41
60	10 Gbit/s all-optical non-return to zero-return-to-zero data format conversion based on a backward dark-optical-comb injected semiconductor optical amplifier. Optics Letters, 2006, 31, 1376.	3.3	41
61	Ultrahigh-speed violet laser diode based free-space optical communication beyond 25 Gbit/s. Scientific Reports, 2018, 8, 13142.	3.3	41
62	360° omnidirectional, printable and transparent photodetectors for flexible optoelectronics. Npj Flexible Electronics, 2018, 2, .	10.7	40
63	200-GHz and 50-GHz AWG channelized linewidth dependent transmission of weak-resonant-cavity FPLD injection-locked by spectrally sliced ASE. Optics Express, 2009, 17, 17739.	3.4	37
64	Finite Silicon Atom Diffusion Induced Size Limitation on Self-Assembled Silicon Quantum Dots in Silicon-Rich Silicon Carbide. Journal of the Electrochemical Society, 2011, 159, K35-K41.	2.9	36
65	Violet Laser Diode Enables Lighting Communication. Scientific Reports, 2017, 7, 10469.	3.3	36
66	39-GHz Millimeter-Wave Carrier Generation in Dual-Mode Colorless Laser Diode for OFDM-MMWof Transmission. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 609-618.	2.9	34
67	Power fading mitigation of 40-Gbit/s 256-QAM OFDM carried by colorless laser diode under injection-locking. Optics Express, 2015, 23, 29065.	3.4	33
68	Few-mode VCSEL chip for 100-Gb/s transmission over 100- $\mu\text{m}$ multimode fiber. Photonics Research, 2017, 5, 507.	7.0	33
69	Pulse shortening mode-locked fiber laser by thickness and concentration product of carbon nanotube based saturable absorber. Optics Express, 2011, 19, 4036.	3.4	32
70	Enriching Si quantum dots in a Si-rich SiN <sub>x</sub> matrix for strong $\chi^{(3)}$ optical nonlinearity. Journal of Materials Chemistry C, 2016, 4, 1405-1413.	5.5	32
71	On the modeling of hyperspectral remote-sensing reflectance of high-sediment-load waters in the visible to shortwave-infrared domain. Applied Optics, 2016, 55, 1738.	2.1	32
72	Single-mode VCSEL for pre-emphasis PAM-4 transmission up to 64-Gbit/s over 100- $\mu\text{m}$ in OM4 MME. Photonics Research, 2018, 6, 666.	7.0	32

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73	752-MHz Modulation Bandwidth of High-Speed Blue Micro Light-Emitting Diodes. IEEE Journal of Quantum Electronics, 2018, 54, 1-6.	1.9	32
74	Femtosecond wavelength tunable semiconductor optical amplifier fiber laser mode-locked by backward dark-optical-comb injection at 10 GHz. Optics Express, 2005, 13, 8772.	3.4	31
75	Characterization of Si nanorods by spectroscopic ellipsometry with efficient theoretical modeling. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 876-879.	1.8	31
76	Clock-Free RZ-BPSK Data Generation Using Self-Starting Optoelectronic Oscillator. Journal of Lightwave Technology, 2011, 29, 1702-1707.	4.6	31
77	Fabricating graphite nano-sheet powder by slow electrochemical exfoliation of large-scale graphite foil as a mode-locker for fiber lasers. Optical Materials Express, 2013, 3, 1893.	3.0	31
78	Blue Laser Diode Based Free-space Optical Data Transmission elevated to 18%Gbps over 16m. Scientific Reports, 2017, 7, 10478.	3.3	31
79	Single-Mode VCSEL Transmission for Short Reach Communications. Journal of Lightwave Technology, 2021, 39, 868-880.	4.6	31
80	Ultrafast 2 green micro-LED array for optical wireless communication beyond 5 Gbit/s. Photonics Research, 2021, 9, 2077.	7.0	31
81	Transferring the bendable substrateless GaN LED grown on a thin C-rich SiC buffer layer to flexible dielectric and metallic plates. Journal of Materials Chemistry C, 2017, 5, 607-617.	5.5	30
82	Wireless audio and burst communication link with directly modulated THz photoconductive antenna. Optics Express, 2005, 13, 10416.	3.4	29
83	Saturated small-signal gain of Si quantum dots embedded in SiO <sub>2</sub> /SiO <sub>x</sub> /SiO <sub>2</sub> strip-loaded waveguide amplifier made on quartz. Applied Physics Letters, 2009, 95, 021106.	3.3	29
84	A 533-nm self-luminescent Si-rich SiN <sub>x</sub> /SiO <sub>x</sub> distributed Bragg reflector. Optics Express, 2011, 19, 6563.	3.4	29
85	Inhomogeneous linewidth broadening and radiative lifetime dispersion of size dependent direct bandgap radiation in Si quantum dot. AIP Advances, 2012, 2, .	1.3	29
86	12 GHz passive harmonic mode-locking in a 106 μm semiconductor optical amplifier-based fiber laser with figure-eight cavity configuration. Optics Letters, 2013, 38, 845.	3.3	29
87	Beyond-Bandwidth Electrical Pulse Modulation of a TO-Can Packaged VCSEL for 10 Gbit/s Injection-Locked NRZ-to-RZ Transmission. Journal of Lightwave Technology, 2011, 29, 830-841.	4.6	28
88	Millimeter-Wave Carrier Embedded Dual-Color Laser Diode for 5G MMW of Link. Journal of Lightwave Technology, 2017, 35, 2409-2420.	4.6	28
89	Remote beating of parallel or orthogonally polarized dual-wavelength optical carriers for 5G millimeter-wave radio-over-fiber link. Optics Express, 2016, 24, 17654.	3.4	27
90	Nonstoichiometric SiC Bus/Ring Waveguide Based All-Optical Data Format Follower and Inverter. ACS Photonics, 2016, 3, 806-818.	6.6	27

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91	Multi-Mode VCSEL Chip with High-Indium-Density InGaAs/AlGaAs Quantum-Well Pairs for QAM-OFDM in Multi-Mode Fiber. IEEE Journal of Quantum Electronics, 2017, 53, 1-8.	1.9	27
92	White-Lighting Communication With a Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> /CaAlSiN <sub>3</sub> :Eu <sup>2+</sup> Glass Covered 450-nm InGaN Laser Diode. Journal of Lightwave Technology, 2018, 36, 1634-1643.	4.6	27
93	Dual-stage soliton compression of a self-started additive pulse mode-locked erbium-doped fiber laser for 48 fs pulse generation. Optics Letters, 2006, 31, 1382.	3.3	26
94	Anomalous microphotoluminescence of high-aspect-ratio Si nanopillars formatted by dry-etching Si substrate with self-aggregated Ni nanodot mask. Applied Physics Letters, 2007, 90, 143102.	3.3	26
95	Low-plasma and high-temperature PECVD grown silicon-rich SiO <sub>x</sub> film with enhanced carrier tunneling and light emission. Nanotechnology, 2007, 18, 395202.	2.6	26
96	The Reuse of Downstream Carrier Data Erased by Self-Feedback SOA for Bidirectional DWDM-PON Transmission. Journal of Lightwave Technology, 2012, 30, 3096-3102.	4.6	26
97	Growing GaN LEDs on amorphous SiC buffer with variable C/Si compositions. Scientific Reports, 2016, 6, 19757.	3.3	26
98	Reusing a Data-Erased ASE Carrier in a Weak-Resonant-Cavity Laser Diode for Noise-Suppressed Error-Free Transmission. IEEE Journal of Quantum Electronics, 2011, 47, 676-685.	1.9	25
99	Suppressing the relaxation oscillation noise of injection-locked WRC-FPLD for directly modulated OFDM transmission. Optics Express, 2014, 22, 15724.	3.4	25
100	Dissolution-and-reduction CVD synthesis of few-layer graphene on ultra-thin nickel film lifted off for mode-locking fiber lasers. Scientific Reports, 2015, 5, 13689.	3.3	25
101	Remote heterodyne millimeter-wave over fiber based OFDM-PON with master-to-slave injected dual-mode colorless FPLD pair. Optics Express, 2015, 23, 22691.	3.4	25
102	Femtosecond mode-locked Erbium-doped fiber ring laser with intra-cavity loss controlled full L-band wavelength tunability. Optics Express, 2007, 15, 97.	3.4	24
103	Transparent ZnO Thin-Film Transistors on Glass and Plastic Substrates Using Post-Sputtering Oxygen Passivation. Journal of Display Technology, 2009, 5, 192-197.	1.2	24
104	Comparing retention and recombination of electrically injected carriers in Si quantum dots embedded in Si-rich SiN <sub>x</sub> films. Applied Physics Letters, 2011, 99, 243501.	3.3	24
105	Electrical characterization of arsenic-implanted semi-insulating GaAs by current-voltage measurement. Applied Physics Letters, 1994, 65, 3272-3274.	3.3	23
106	C O <sub>2</sub> laser rapid-thermal-annealing SiO <sub>x</sub> based metal-oxide-semiconductor light emitting diode. Applied Physics Letters, 2007, 91, .	3.3	23
107	A Chemical Vapor Deposited Silicon Rich Silicon Carbide P-N Junction Based Thin-Film Photovoltaic Solar Cell. ECS Journal of Solid State Science and Technology, 2012, 1, Q144-Q148.	1.8	23
108	Self-amplitude and self-phase modulation of the charcoal mode-locked erbium-doped fiber lasers. Optics Express, 2013, 21, 25184.	3.4	23



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109	Red/green/blue LD mixed white-light communication at 6500K with divergent diffuser optimization. Optics Express, 2018, 26, 23397.	3.4	23
110	Blue-Green Light Emission From Si and SiC Quantum Dots Co-Doped Si-Rich SiC Junction Diode. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 218-224.	2.9	22
111	A Self-Started Laser Diode Pulsation Based Synthesizer-Free Optical Return-to-Zero On-Off-Keying Data Generator. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2292-2298.	4.6	21
112	Tunable Broadband Chaotic Signal Synthesis From a WRC-FPLD Subject to Filtered Feedback. IEEE Photonics Technology Letters, 2017, 29, 1506-1509.	2.5	21
113	Synthesis of Si nanopyramids at SiO <sub>2</sub> /Si interface for enhancing electroluminescence of Si-rich SiO <sub>x</sub> . Applied Physics Letters, 2006, 89, 093126.	3.3	20
114	Direct QAM-OFDM Encoding of an L-band Master-to-Slave Injection-Locked WRC-FPLD Pair for 28 Å– 20 Gb/s DWDM-PON Transmission. Journal of Lightwave Technology, 2014, 32, 2981-2988.	4.6	20
115	Long-reach 60-GHz MMWof link with free-running laser diodes beating. Scientific Reports, 2018, 8, 13711.	3.3	20
116	LuAG:Ce/CASN:Eu phosphor enhanced high-CRI R/G/B LD lighting fidelity. Journal of Materials Chemistry C, 2019, 7, 9556-9563.	5.5	20
117	Picosecond responses of low-dosage arsenic-ion-implanted GaAs photoconductors. Applied Physics Letters, 1997, 71, 2901-2903.	3.3	19
118	Material and ultrafast optoelectronic properties of furnace-annealed arsenic-ion-implanted GaAs. IEEE Journal of Quantum Electronics, 1998, 34, 1740-1748.	1.9	19
119	Broad-band (≈20 GHz) laser-diode-based optoelectronic microwave phase shifter. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 1419-1426.	4.6	19
120	Saturated signal-to-noise ratio of up-stream WRC-FPLD transmitter injection-locked by down-stream data-erased ASE carrier. Optics Express, 2011, 19, 4067.	3.4	19
121	10-Gbit/s direct modulation of a TO-56-can packed 600-μm long laser diode with 2% front-facet reflectance. Optics Express, 2013, 21, 25197.	3.4	19
122	Low-loss and high-Q Ta <sub>2</sub> O <sub>5</sub> based micro-ring resonator with inverse taper structure. Optics Express, 2015, 23, 26268.	3.4	19
123	CdSe/ZnS core-shell quantum dot assisted color conversion of violet laser diode for white lighting communication. Nanophotonics, 2019, 8, 2189-2201.	6.0	19
124	Comparison of High-Speed PAM4 and QAM-OFDM Data Transmission Using Single-Mode VCSEL in OM5 and OM4 MMF Links. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-10.	2.9	19
125	Self-Steepening of Prechirped Amplified and Compressed 29-fs Fiber Laser Pulse in Large-Mode-Area Erbium-Doped Fiber Amplifier. Journal of Lightwave Technology, 2007, 25, 3597-3601.	4.6	18
126	Gain analysis of optically-pumped Si nanocrystal waveguide amplifiers on silicon substrate. Optics Express, 2010, 18, 9213.	3.4	18



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127	A Weak-Resonant-Cavity Fabry-Perot Laser Diode With Injection-Locking Mode Number-Dependent Transmission and Noise Performances. <i>Journal of Lightwave Technology</i> , 2010, 28, 1349-1355.	4.6	18
128	Stability and Chirp of Tightly Bunched Solitons From Nonlinear Polarization Rotation Mode-Locked Erbium-Doped Fiber Lasers. <i>Journal of Lightwave Technology</i> , 2016, 34, 5118-5128.	4.6	18
129	MoS <sub>2</sub> nano-flake doped polyvinyl alcohol enabling polarized soliton mode-locking of a fiber laser. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9454-9459.	5.5	18
130	Modal Linewidth Dependent Transmission Performance of 850-nm VCSELs With Encoding PAM-4 Over 100-m MMF. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-8.	1.9	18
131	Two-color laser diode for 54-Gb/s fiber-wired and 16-Gb/s MMW wireless OFDM transmissions. <i>Photonics Research</i> , 2017, 5, 271.	7.0	18
132	75-km Long Reach Dispersion Managed OFDM-PON at 60 Gbit/s With Quasi-Color-Free LD. <i>Journal of Lightwave Technology</i> , 2018, 36, 2394-2408.	4.6	18
133	Optoelectronic phase tracking and electrooptic sampling of free-running microwave signals up to 20 GHz in a laser-diode-based system. <i>IEEE Photonics Technology Letters</i> , 1995, 7, 670-672.	2.5	17
134	Rising and falling time of amplified picosecond optical pulses by semiconductor optical amplifiers. <i>Optics Communications</i> , 2003, 227, 165-170.	2.1	17
135	Chirp and error rate analyses of an optical-injection gain-switching VCSEL based all-optical NRZ-to-PRZ converter. <i>Optics Express</i> , 2008, 16, 4838.	3.4	17
136	Plasma power controlled deposition of SiO <sub>x</sub> with manipulated Si Quantum Dot size for photoluminescent wavelength tailoring. <i>Optics Express</i> , 2010, 18, 4449.	3.4	17
137	Destructively Interfered Beating Dual-Mode VCSEL for Carrierless MMW Fiber-Wireless Access Link With Suppressed RF Fading. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-9.	2.9	17
138	Carbon Nanomaterials Based Saturable Absorbers for Ultrafast Passive Mode-Locking of Fiber Lasers. <i>Current Nanoscience</i> , 2020, 16, 441-457.	1.2	17
139	Time-Resolved Photoluminescence Analysis of Multidose Si-Ion-Implanted SiO <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , 2006, 153, E25.	2.9	16
140	DWDM channel spacing tunable optical TDM carrier from a mode-locked weak-resonant-cavity Fabry-Perot laser diode based fiber ring. <i>Optics Express</i> , 2008, 16, 13405.	3.4	16
141	Nanograin crystalline transformation enhanced UV transparency of annealing refined indium tin oxide film. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	16
142	Side-mode transmission diagnosis of a multichannel selectable injection-locked Fabry-Perot Laser Diode with anti-reflection coated front facet. <i>Optics Express</i> , 2009, 17, 4859.	3.4	16
143	High-order rational harmonic mode-locking and pulse-amplitude equalization of SOAFL via reshaped gain-switching FPLD pulse injection. <i>Optics Express</i> , 2010, 18, 9570.	3.4	16
144	Si nanorod length dependent surface Raman scattering linewidth broadening and peak shift. <i>Optics Express</i> , 2011, 19, 597.	3.4	16

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145	Wavelength-Shifted Yellow Electroluminescence of Si Quantum-Dot Embedded 20-Pair SiN <sub>x</sub> /SiO <sub>x</sub> Superlattice by Ostwald Ripening Effect. IEEE Photonics Journal, 2013, 5, 6600110-6600110.	2.0	16
146	Four-Wave-Mixing Suppression of Master-to-Slave Injection-Locked Two-Wavelength FPLD Pair for MMW-PON. Journal of Lightwave Technology, 2016, 34, 4810-4818.	4.6	16
147	Incorporating MoS <sub>2</sub> saturable absorption with nonlinear polarization rotation for stabilized mode-locking fibre lasers. Laser Physics Letters, 2018, 15, 075102.	1.4	16
148	Rapid self-assembly of Ni nanodots on Si substrate covered by a less-adhesive and heat-accumulated SiO <sub>2</sub> layers. Applied Physics Letters, 2006, 89, 073108.	3.3	15
149	Formation of self-organized platinum nanoparticles and their microphotoluminescence enhancement in the visible light region. Journal of Applied Physics, 2007, 102, 073508.	2.5	15
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