

Gong-Ru Lin

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437
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6,854
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643
ext. papers

7,985
ext. citations

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avg, IF

6.14
L-index

#	Paper	IF	Citations
437	4.8 Gbit/s 16-QAM-OFDM transmission based on compact 450-nm laser for underwater wireless optical communication. <i>Optics Express</i> , 2015 , 23, 23302-9	3.3	189
436	450-nm GaN laser diode enables high-speed visible light communication with 9-Gbps QAM-OFDM. <i>Optics Express</i> , 2015 , 23, 13051-9	3.3	185
435	Using n- and p-Type Bi ₂ Te ₃ Topological Insulator Nanoparticles To Enable Controlled Femtosecond Mode-Locking of Fiber Lasers. <i>ACS Photonics</i> , 2015 , 2, 481-490	6.3	168
434	Tricolor R/G/B Laser Diode Based Eye-Safe White Lighting Communication Beyond 8 Gbit/s. <i>Scientific Reports</i> , 2017 , 7, 11	4.9	161
433	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 ₂ . <i>Journal of Applied Physics</i> , 2005 , 97, 094306	2.5	154
432	Using graphene nano-particle embedded in photonic crystal fiber for evanescent wave mode-locking of fiber laser. <i>Optics Express</i> , 2013 , 21, 16763-76	3.3	148
431	Stable mode-locked fiber laser based on CVD fabricated graphene saturable absorber. <i>Optics Express</i> , 2012 , 20, 2460-5	3.3	137
430	Blue Laser Diode Enables Underwater Communication at 12.4 Gbps. <i>Scientific Reports</i> , 2017 , 7, 40480	4.9	122
429	Soliton compression of the erbium-doped fiber laser weakly started mode-locking by nanoscale p-type Bi ₂ Te ₃ topological insulator particles. <i>Laser Physics Letters</i> , 2014 , 11, 055107	1.5	114
428	Directly exfoliated and imprinted graphite nano-particle saturable absorber for passive mode-locking erbium-doped fiber laser. <i>Laser Physics Letters</i> , 2011 , 8, 880-886	1.5	111
427	Going beyond 4 Gbps data rate by employing RGB laser diodes for visible light communication. <i>Optics Express</i> , 2015 , 23, 18746-53	3.3	104
426	Nanophotonic switch: gold-in-Ga ₂ O ₃ peapod nanowires. <i>Nano Letters</i> , 2008 , 8, 3081-5	11.5	98
425	Improving carrier transport and light emission in a silicon-nanocrystal based MOS light-emitting diode on silicon nanopillar array. <i>Applied Physics Letters</i> , 2007 , 91, 093122	3.4	86
424	Phosphorous Diffuser Diverged Blue Laser Diode for Indoor Lighting and Communication. <i>Scientific Reports</i> , 2015 , 5, 18690	4.9	83
423	Comparison on the electroluminescence of Si-rich SiN _x and SiO _x based light-emitting diodes. <i>Applied Physics Letters</i> , 2010 , 96, 263514	3.4	77
422	Multicolor electroluminescent Si quantum dots embedded in SiO _x thin film MOSLED with 2.4% external quantum efficiency. <i>Optics Express</i> , 2013 , 21, 391-403	3.3	76
421	Subwavelength Si nanowire arrays for self-cleaning antireflection coatings. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10924		76

4 ²⁰	Concentration effect of carbon nanotube based saturable absorber on stabilizing and shortening mode-locked pulse. <i>Optics Express</i> , 2010 , 18, 3592-600	3.3	73
4 ¹⁹	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. <i>Optics Express</i> , 2015 , 23, 33656-66	3.3	66
4 ¹⁸	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	1.5	66
4 ¹⁷	Nonlinear Absorption Applications of CH ₃ NH ₃ PbBr ₃ Perovskite Crystals. <i>Advanced Functional Materials</i> , 2018 , 28, 1707175	15.6	63
4 ¹⁶	L-band erbium-doped fiber laser with coupling-ratio controlled wavelength tunability. <i>Optics Express</i> , 2006 , 14, 9743-9	3.3	61
4 ¹⁵	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	7.1	60
4 ¹⁴	ZnO/Al ₂ O ₃ core-shell nanorod arrays: growth, structural characterization, and luminescent properties. <i>Nanotechnology</i> , 2009 , 20, 185605	3.4	59
4 ¹³	Enhancing Optical Nonlinearity in a Nonstoichiometric SiN Waveguide for Cross-Wavelength All-Optical Data Processing. <i>ACS Photonics</i> , 2015 , 2, 1141-1154	6.3	58
4 ¹²	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	1.5	56
4 ¹¹	Enhanced Fowler-Nordheim tunneling effect in nanocrystallite Si based LED with interfacial Si nano-pyramids. <i>Optics Express</i> , 2007 , 15, 2555-63	3.3	56
4 ¹⁰	Si-rich SiN _x based Kerr switch enables optical data conversion up to 12 Gbit/s. <i>Scientific Reports</i> , 2015 , 5, 9611	4.9	54
4 ⁰⁹	Low refractive index Si nanopillars on Si substrate. <i>Applied Physics Letters</i> , 2007 , 90, 181923	3.4	54
4 ⁰⁸	Subpicosecond carrier lifetimes in arsenic-ion-implanted GaAs. <i>Applied Physics Letters</i> , 1995 , 67, 3465-3467	3.4	52
4 ⁰⁷	. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2925-2932	4	51
4 ⁰⁶	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, 20071-7	3.3	51
4 ⁰⁵	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	1.5	50
4 ⁰⁴	Defect-enhanced visible electroluminescence of multi-energy silicon-implanted silicon dioxide film. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 441-447	2	49
4 ⁰³	60-GHz Millimeter-wave Over Fiber with Directly Modulated Dual-mode Laser Diode. <i>Scientific Reports</i> , 2016 , 6, 27919	4.9	48

402	All-optical modulation based on silicon quantum dot doped SiOx:Si-QD waveguide. <i>Laser and Photonics Reviews</i> , 2014 , 8, 766-776	8.3	47
401	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	4.4	47
400	Manipulation of operation states by polarization control in an erbium-doped fiber laser with a hybrid saturable absorber. <i>Optics Express</i> , 2009 , 17, 4806-14	3.3	46
399	Time-resolved photoluminescence and capacitance-voltage analysis of the neutral vacancy defect in silicon implanted SiO2 on silicon substrate. <i>Journal of Applied Physics</i> , 2004 , 96, 3025-3027	2.5	45
398	All-optical NRZ-to-PRZ format transformer with an injection-locked Fabry-Perot laser diode at unslasing condition. <i>Optics Express</i> , 2004 , 12, 4449-56	3.3	45
397	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	43
396	Si-Rich $\text{Si}_x\text{C}_{1-x}$ Light-Emitting Diodes With Buried Si Quantum Dots. <i>IEEE Photonics Journal</i> , 2012 , 4, 1762-1775	1.8	42
395	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	41
394	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, 1008-14	3.3	41
393	Dynamics of optical backward-injection-induced gain-depletion modulation and mode locking in semiconductor optical amplifier fiber lasers. <i>Optics Express</i> , 2004 , 12, 2017-26	3.3	41
392	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	2.6	40
391	. <i>IEEE Photonics Journal</i> , 2012 , 4, 1542-1552	1.8	40
390	Microwatt MOSLED Using SiO_x With Buried Si Nanocrystals on Si Nano-Pillar Array. <i>Journal of Lightwave Technology</i> , 2008 , 26, 1486-1491	4	39
389	Toward high-speed visible laser lighting based optical wireless communications. <i>Progress in Quantum Electronics</i> , 2019 , 67, 100225	9.1	38
388	Improved blue-green electroluminescence of metal-oxide-semiconductor diode fabricated on multirecipe Si-implanted and annealed SiO2/Si substrate. <i>Journal of Applied Physics</i> , 2004 , 95, 8484-8486	2.5	38
387	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	2	37
386	Photostriction of strontium ruthenate. <i>Nature Communications</i> , 2017 , 8, 15018	17.4	36
385	Comparison of single-/few-/multi-mode 850 nm VCSELs for optical OFDM transmission. <i>Optics Express</i> , 2017 , 25, 16347-16363	3.3	36

384	Rational harmonic mode-locking of erbium-doped fiber laser at 40 GHz using a loss-modulated Fabry-Pe/spl acute/rot laser diode. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1810-1812	2.2	36
383	Strong optical nonlinearity of the nonstoichiometric silicon carbide. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10164-10176	7.1	35
382	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	34
381	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. <i>Optics Letters</i> , 2006 , 31, 1376-8	3	34
380	200-GHz and 50-GHz AWG channelized linewidth dependent transmission of weak-resonant-cavity FPLD injection-locked by spectrally sliced ASE. <i>Optics Express</i> , 2009 , 17, 17739-46	3.3	33
379	Power fading mitigation of 40-Gbit/s 256-QAM OFDM carried by colorless laser diode under injection-locking. <i>Optics Express</i> , 2015 , 23, 29065-78	3.3	32
378	Violet Laser Diode Enables Lighting Communication. <i>Scientific Reports</i> , 2017 , 7, 10469	4.9	31
377	Finite Silicon Atom Diffusion Induced Size Limitation on Self-Assembled Silicon Quantum Dots in Silicon-Rich Silicon Carbide. <i>Journal of the Electrochemical Society</i> , 2011 , 159, K35-K41	3.9	31
376	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7384	2.6	29
375	Fabricating graphite nano-sheet powder by slow electrochemical exfoliation of large-scale graphite foil as a mode-locker for fiber lasers. <i>Optical Materials Express</i> , 2013 , 3, 1893	2.6	28
374	A 533-nm self-luminescent Si-rich SiNx/SiOx distributed Bragg reflector. <i>Optics Express</i> , 2011 , 19, 6563-70	3.3	28
373	Femtosecond wavelength tunable semiconductor optical amplifier fiber laser mode-locked by backward dark-optical-comb injection at 10 GHz. <i>Optics Express</i> , 2005 , 13, 8772-80	3.3	28
372	On the modeling of hyperspectral remote-sensing reflectance of high-sediment-load waters in the visible to shortwave-infrared domain. <i>Applied Optics</i> , 2016 , 55, 1738-50	0.2	26
371	Single-mode VCSEL for pre-emphasis PAM-4 transmission up to 64 Gbit/s over 100000 m in OM4 MMF. <i>Photonics Research</i> , 2018 , 6, 666	6	26
370	360° omnidirectional, printable and transparent photodetectors for flexible optoelectronics. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	26
369	Beyond-Bandwidth Electrical Pulse Modulation of a TO-Can Packaged VCSEL for 10 Gbit/s Injection-Locked NRZ-to-RZ Transmission. <i>Journal of Lightwave Technology</i> , 2011 , 29, 830-841	4	26
368	Clock-Free RZ-BPSK Data Generation Using Self-Starting Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1702-1707	4	26
367	Saturated small-signal gain of Si quantum dots embedded in SiO2/SiOx/SiO2 strip-loaded waveguide amplifier made on quartz. <i>Applied Physics Letters</i> , 2009 , 95, 021106	3.4	26

366	Characterization of Si nanorods by spectroscopic ellipsometry with efficient theoretical modeling. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 876-879	1.6	26
365	Transferring the bendable substrateless GaN LED grown on a thin C-rich SiC buffer layer to flexible dielectric and metallic plates. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 607-617	7.1	25
364	Pulse shortening mode-locked fiber laser by thickness and concentration product of carbon nanotube based saturable absorber. <i>Optics Express</i> , 2011 , 19, 4036-41	3.3	25
363	850/940-nm VCSEL for optical communication and 3D sensing. <i>Opto-Electronic Advances</i> , 2018 , 1, 18000503-18000511	3.3	25
362	Remote beating of parallel or orthogonally polarized dual-wavelength optical carriers for 5G millimeter-wave radio-over-fiber link. <i>Optics Express</i> , 2016 , 24, 17654-69	3.3	25
361	Ultrahigh-speed violet laser diode based free-space optical communication beyond 25 Gbit/s. <i>Scientific Reports</i> , 2018 , 8, 13142	4.9	25
360	Enriching Si quantum dots in a Si-rich SiN _x matrix for strong β optical nonlinearity. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1405-1413	7.1	24
359	Blue Laser Diode Based Free-space Optical Data Transmission elevated to 18 Gbps over 16 m. <i>Scientific Reports</i> , 2017 , 7, 10478	4.9	24
358	12 GHz passive harmonic mode-locking in a 1.06 μ m semiconductor optical amplifier-based fiber laser with figure-eight cavity configuration. <i>Optics Letters</i> , 2013 , 38, 845-7	3	24
357	Comparing retention and recombination of electrically injected carriers in Si quantum dots embedded in Si-rich SiN _x films. <i>Applied Physics Letters</i> , 2011 , 99, 243501	3.4	24
356	. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 676-685	2	24
355	Remote heterodyne millimeter-wave over fiber based OFDM-PON with master-to-slave injected dual-mode colorless FPLD pair. <i>Optics Express</i> , 2015 , 23, 22691-705	3.3	23
354	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 609-618	3.8	23
353	Suppressing the relaxation oscillation noise of injection-locked WRC-FPLD for directly modulated OFDM transmission. <i>Optics Express</i> , 2014 , 22, 15724-36	3.3	23
352	Inhomogeneous linewidth broadening and radiative lifetime dispersion of size dependent direct bandgap radiation in Si quantum dot. <i>AIP Advances</i> , 2012 , 2, 042162	1.5	23
351	Anomalous microphotoluminescence of high-aspect-ratio Si nanopillars formatted by dry-etching Si substrate with self-aggregated Ni nanodot mask. <i>Applied Physics Letters</i> , 2007 , 90, 143102	3.4	23
350	Multi-Mode VCSEL Chip with High-Indium-Density InGaAs/AlGaAs Quantum-Well Pairs for QAM-OFDM in Multi-Mode Fiber. <i>IEEE Journal of Quantum Electronics</i> , 2017 , 53, 1-8	2	22
349	752-MHz Modulation Bandwidth of High-Speed Blue Micro Light-Emitting Diodes. <i>IEEE Journal of Quantum Electronics</i> , 2018 , 1-1	2	22

348	. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3096-3102	4	22
347	Low-plasma and high-temperature PECVD grown silicon-rich SiO(x) film with enhanced carrier tunneling and light emission. <i>Nanotechnology</i> , 2007 , 18, 395202	3.4	22
346	High-speed integrated micro-LED array for visible light communication. <i>Optics Letters</i> , 2020 , 45, 2203-2206	22	
345	Growing GaN LEDs on amorphous SiC buffer with variable C/Si compositions. <i>Scientific Reports</i> , 2016 , 6, 19757	4.9	22
344	White-Lighting Communication With a Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ /CaAlSiN ₃ :Eu ²⁺ Glass Covered 450-nm InGaN Laser Diode. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1634-1643	4	21
343	Few-mode VCSEL chip for 100-Gb/s transmission over 100 m multimode fiber. <i>Photonics Research</i> , 2017 , 5, 507	6	21
342	Wireless audio and burst communication link with directly modulated THz photoconductive antenna. <i>Optics Express</i> , 2005 , 13, 10416-23	3.3	21
341	. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2409-2420	4	20
340	Blue-Green Light Emission From Si and SiC Quantum Dots Co-Doped Si-Rich SiC p-n Junction Diode. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 218-224	3.8	20
339	Transparent ZnO Thin-Film Transistors on Glass and Plastic Substrates Using Post-Sputtering Oxygen Passivation. <i>Journal of Display Technology</i> , 2009 , 5, 192-197		20
338	Dual-stage soliton compression of a self-started additive pulse mode-locked erbium-doped fiber laser for 48 fs pulse generation. <i>Optics Letters</i> , 2006 , 31, 1382-4	3	20
337	Self-amplitude and self-phase modulation of the charcoal mode-locked erbium-doped fiber lasers. <i>Optics Express</i> , 2013 , 21, 25184-96	3.3	19
336	A Self-Started Laser Diode Pulsation Based Synthesizer-Free Optical Return-to-Zero On-Off-Keying Data Generator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 2292-2298	4.1	19
335	CO ₂ laser rapid-thermal-annealing SiO _x based metal-oxide-semiconductor light emitting diode. <i>Applied Physics Letters</i> , 2007 , 91, 072103	3.4	19
334	Direct QAM-OFDM Encoding of an L-band Master-to-Slave Injection-Locked WRC-FPLD Pair for 28 \times 20 Gb/s DWDM-PON Transmission. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2981-2988	4	18
333	Gain analysis of optically-pumped Si nanocrystal waveguide amplifiers on silicon substrate. <i>Optics Express</i> , 2010 , 18, 9213-9	3.3	18
332	Nonstoichiometric SiC Bus/Ring Waveguide Based All-Optical Data Format Follower and Inverter. <i>ACS Photonics</i> , 2016 , 3, 806-818	6.3	18
331	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	3.8	17

330	Dissolution-and-reduction CVD synthesis of few-layer graphene on ultra-thin nickel film lifted off for mode-locking fiber lasers. <i>Scientific Reports</i> , 2015 , 5, 13689	4.9	17
329	10-Gbit/s direct modulation of a TO-56-can packed 600- μm long laser diode with 2% front-facet reflectance. <i>Optics Express</i> , 2013 , 21, 25197-209	3.3	17
328	Saturated signal-to-noise ratio of up-stream WRC-FPLD transmitter injection-locked by down-stream data-erased ASE carrier. <i>Optics Express</i> , 2011 , 19, 4067-75	3.3	17
327	A Chemical Vapor Deposited Silicon Rich Silicon Carbide P-N Junction Based Thin-Film Photovoltaic Solar Cell. <i>ECS Journal of Solid State Science and Technology</i> , 2012 , 1, Q144-Q148	2	17
326	Synthesis of Si nanopyramids at SiO _x /Si interface for enhancing electroluminescence of Si-rich SiO _x . <i>Applied Physics Letters</i> , 2006 , 89, 093126	3.4	17
325	Self-Steepening of Prechirped Amplified and Compressed 29-fs Fiber Laser Pulse in Large-Mode-Area Erbium-Doped Fiber Amplifier. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3597-3601	4	17
324	Single-Mode VCSEL Transmission for Short Reach Communications. <i>Journal of Lightwave Technology</i> , 2021 , 39, 868-880	4	17
323	Red/green/blue LD mixed white-light communication at 6500K with divergent diffuser optimization. <i>Optics Express</i> , 2018 , 26, 23397-23410	3.3	17
322	Low-loss and high-Q Ta(2)O(5) based micro-ring resonator with inverse taper structure. <i>Optics Express</i> , 2015 , 23, 26268-75	3.3	16
321	Femtosecond mode-locked Erbium-doped fiber ring laser with intra-cavity loss controlled full L-band wavelength tunability. <i>Optics Express</i> , 2007 , 15, 97-103	3.3	16
320	Electrical characterization of arsenic-ion-implanted semi-insulating GaAs by current-voltage measurement. <i>Applied Physics Letters</i> , 1994 , 65, 3272-3274	3.4	16
319	. <i>IEEE Journal of Quantum Electronics</i> , 2017 , 53, 1-8	2	15
318	Plasma power controlled deposition of SiO _x with manipulated Si Quantum Dot size for photoluminescent wavelength tailoring. <i>Optics Express</i> , 2010 , 18, 4449-56	3.3	15
317	A Weak-Resonant-Cavity FabryPerot Laser Diode With Injection-Locking Mode Number-Dependent Transmission and Noise Performances. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1349-1355	4	15
316	Material and ultrafast optoelectronic properties of furnace-annealed arsenic-ion-implanted GaAs. <i>IEEE Journal of Quantum Electronics</i> , 1998 , 34, 1740-1748	2	15
315	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, 4838-47	3.3	15
314	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, 13405-13	3.3	15
313	Formation of self-organized platinum nanoparticles and their microphotoluminescence enhancement in the visible light region. <i>Journal of Applied Physics</i> , 2007 , 102, 073508	2.5	15

312	Time-Resolved Photoluminescence Analysis of Multidose Si-Ion-Implanted SiO ₂ . <i>Journal of the Electrochemical Society</i> , 2006 , 153, E25	3.9	15
311	Rapid self-assembly of Ni nanodots on Si substrate covered by a less-adhesive and heat-accumulated SiO ₂ layers. <i>Applied Physics Letters</i> , 2006 , 89, 073108	3.4	15
310	MoS ₂ 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	7.1	14
309	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	6	14
308	. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-12	1.8	14
307	Self-aggregated Si quantum dots in amorphous Si-rich SiC. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 2126-2129	3.9	14
306	Using a L-Band Weak-Resonant-Cavity FPLD for Subcarrier Amplitude Pre-Levelled 16-QAM-OFDM Transmission at 20 Gbit/s. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1079-1087	4	14
305	Wavelength-Shifted Yellow Electroluminescence of Si Quantum-Dot Embedded 20-Pair SiN _x /SiO _x Superlattice by Ostwald Ripening Effect. <i>IEEE Photonics Journal</i> , 2013 , 5, 6600110-6600110	1.8	14
304	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, 9570-9	3.3	14
303	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, 4859-67	3.3	14
302	Broad-band (up to 20 GHz) laser-diode-based optoelectronic microwave phase shifter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1998 , 46, 1419-1426	4.1	14
301	20-Gbps WDM-PON transmissions employing weak-resonant-cavity FPLD with OFDM and SC-FDE modulation formats. <i>Optics Express</i> , 2013 , 21, 8622-9	3.3	13
300	Si nanorod length dependent surface Raman scattering linewidth broadening and peak shift. <i>Optics Express</i> , 2011 , 19, 597-605	3.3	13
299	Nanograin crystalline transformation enhanced UV transparency of annealing refined indium tin oxide film. <i>Applied Physics Letters</i> , 2009 , 94, 231906	3.4	13
298	Rising and falling time of amplified picosecond optical pulses by semiconductor optical amplifiers. <i>Optics Communications</i> , 2003 , 227, 165-170	2	13
297	Comparison of High-Speed PAM4 and QAM-OFDM Data Transmission Using Single-Mode VCSEL in OM5 and OM4 MMF Links. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-10	3.8	13
296	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	13
295	Efficient Heat Dissipation of Uncooled 400-Gbps (1605-Gbps) Optical Transceiver Employing Multimode VCSEL and PD Arrays. <i>Scientific Reports</i> , 2017 , 7, 46608	4.9	12

294	SiGeC Waveguide for All-Optical Data Switching. <i>ACS Photonics</i> , 2018 , 5, 2251-2260	6.3	12
293	LuAG:Ce/CASN:Eu phosphor enhanced high-CRI R/G/B LD lighting fidelity. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9556-9563	7.1	12
292	Spatially confined synthesis of SiO _x nano-rod with size-controlled Si quantum dots in nano-porous anodic aluminum oxide membrane. <i>Optics Express</i> , 2011 , 19, 896-905	3.3	12
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