

Gong-Ru Lin

List of Publications by Year in Descending Order

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

437
papers

6,854
citations

42
h-index

66
g-index

643
ext. papers

7,985
ext. citations

3.2
avg, IF

6.14
L-index

#	Paper	IF	Citations
437	Effect of Chirped Dispersion and Modal Partition Noise on Multimode VCSEL Encoded With NRZ-OOK and PAM-4 Formats. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022 , 28, 1-9	3.8	4
436	Ge p-i-n Photodiode as 60-Gbit/s Optical NRZ-OOK Data Receiver. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	2
435	Effect of Transmission-Line Contact Length on the 50-Gbit/s Data Encoding Performance of a Multimode VCSEL. <i>Photonics</i> , 2022 , 9, 114	2.2	0
434	Low-Power Photodetectors Based on PVA Modified Reduced Graphene Oxide Hybrid Solutions.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100854	4.8	0
433	Comparing the Dual-Mode VCSEL in OM4-MMF and GI-SMF links for NRZ-OOK and 16-QAM-OFDM Transmissions. <i>IEEE Photonics Journal</i> , 2022 , 1-1	1.8	1
432	QAM-DMT of Hybridly Integrated EAM-DFBLD Chip-on-Board with Adaptive Machine Learning Algorithm for 149.6-Gbit/s BtB and 138-Gbit/s 10-km-SMF transmission. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022 , 1-1	3.8	0
431	Coupling angle tolerance of the 850-nm single-mode VCSEL output collimated by lensed OM4-MMF or GI-SMF for a NRZ-OOK link. <i>Optics Express</i> , 2022 , 30, 17130	3.3	0
430	50 Gb/s Zn-diffusion Few-Mode VCSELs for over 100-m GI-SMF Transmission at 850 nm Wavelength. <i>IEEE Nanotechnology Magazine</i> , 2021 , 1-1	2.6	
429	850-nm Dual-Mode VCSEL Carried 53-Gbps NRZ- OOK Transmission in 100-m Graded-Index Single-Mode Fiber 2021 ,		1
428	Experimental demonstration of a chaotic communication system with a switchable chaotic carrier wavelength based on two weak-resonant-cavity FabryPerot laser diodes. <i>Applied Optics</i> , 2021 , 60, 2745	1.7	0
427	Incoherent Laser Heterodyned Long-Reach 60-GHz MMWoF Link With Volterra Filtered 16-QAM OFDM Beyond 13 Gbps. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-11	3.8	3
426	Higher order mode supercontinuum generation in tantalum pentoxide (TaO) channel waveguide. <i>Scientific Reports</i> , 2021 , 11, 7978	4.9	0
425	Ultrathin amorphous Ge film enabling stabilized femtosecond fiber laser pulsation. <i>Optics and Laser Technology</i> , 2021 , 136, 106761	4.2	2
424	4-QAM OFDM Data Switching via Free Carrier Absorption in Si-Rich SiC Waveguide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-11	3.8	2
423	Compact High-Power Visible Laser Diode Wavelength Division Multiplexing for White-Light Communication. <i>Advanced Photonics Research</i> , 2021 , 2, 2100075	1.9	0
422	C-Band Silicon Waveguide Modulation With 50-Gbit/s NRZ-OOK Over 10-km SMF and DSF. <i>IEEE Journal of Quantum Electronics</i> , 2021 , 57, 1-9	2	2
421	Single-Mode VCSEL Transmission for Short Reach Communications. <i>Journal of Lightwave Technology</i> , 2021 , 39, 868-880	4	17

420	Resistor Inductor Capacitor Impedance Optimization of Violet Laser Diodes for Free-Space Quadrature Amplitude Modulation Orthogonal Frequency Division Multiplexing Data Link. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7684-7692	8.9	
419	100-Km Long-Reach Carrierless 5G MMWoF Link With Destructive-Interference-Beating or Single-Sideband-Filtering OFDM. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	0
418	Photonic Crystal Structured Multi-Mode VCSELs Enabling 92-Gbit/s QAM-OFDM Transmission. <i>Journal of Lightwave Technology</i> , 2021 , 39, 4331-4340	4	4
417	Quad-Mode VCSEL Optical Carrier for Long-Reach Ka-Band Millimeter-Wave Over Fiber Link. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 2838-2848	14.2	1
416	Beyond GHz optical frequency up-converted modulation of LEDs with integrated acousto-optic transducer. <i>Optics Letters</i> , 2021 , 46, 5189-5192	3	
415	QAM-GFDM of Dual-Mode VCSEL Mixed 28-GHz MMW Carrier for Fiber-Wireless Link. <i>Journal of Lightwave Technology</i> , 2021 , 39, 6076-6084	4	1
414	Review of VCSELs for Complex Data-Format Transmission Beyond 100-Gbit/s. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-13	1.8	0
413	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7384	2.6	29
412	Advanced Modulation Format of Probabilistic Shaping Bit Loading for 450-nm GaN Laser Diode based Visible Light Communication. <i>Sensors</i> , 2020 , 20,	3.8	3
411	Multimode VCSEL Enables 42-GBaud PAM-4 and 35-GBaud 16-QAM OFDM for 100-m OM5 MMF Data Link. <i>IEEE Access</i> , 2020 , 8, 36963-36973	3.5	7
410	. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2144-2151	4	4
409	High-speed integrated micro-LED array for visible light communication. <i>Optics Letters</i> , 2020 , 45, 2203-2206	22	
408	Nonlinear and low-loss tantalum pentoxide based micro-ring resonator by ion-assisted electron-beam deposition. <i>OSA Continuum</i> , 2020 , 3, 3433	1.4	1
407	White-light color conversion with red/green/violet laser diodes and yellow light-emitting diode mixing for 348 Gbit/s visible lighting communication. <i>Photonics Research</i> , 2020 , 8, 1398	6	3
406	Photonic crystal structured blue μ LED with aperture size dependent data transmission performance in plastic fiber link. <i>OSA Continuum</i> , 2020 , 3, 104	1.4	3
405	Amplitude/Polarization Shift Keying Based and Logic Gate in Polarization Dependent C-Rich SiC Ring Waveguide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-9	3.8	3
404	Characteristics of Blue GaN/InGaN Quantum-Well Light-Emitting Transistor. <i>IEEE Electron Device Letters</i> , 2020 , 41, 91-94	4.4	1
403	Temperature and Noise Dependence of Tri-Mode VCSEL Carried 120-Gbit/s QAM-OFDM Data in Back-to-Back and OM5-MMF Links. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6746-6758	4	6

402	Simultaneous Generation of Multi-Channel Broadband Chaotic Signals Based on Two Unidirectionally Coupled WRC-FPLDs. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	3
401	Color-Converting Violet Laser Diode with an Ultrafast BEHP-PPV + MEH-PPV Polymer Blend for High-Speed White Lighting Data Link. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3017-3027	4	5
400	Si-QD Synthesis for Visible Light Emission, Color Conversion, and Optical Switching. <i>Materials</i> , 2020 , 13,	3.5	2
399	Suppression of Relative Intensity and Mode Partition Noises in Orthogonally Polarized Dual-Wavelength VCSEL. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6612-6622	4	3
398	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
397	Comparison on OM5-MMF and OM4-MMF Data Links With 32-GBaud PAM-4 Modulated Few-Mode VCSEL at 850 nm. <i>Journal of Lightwave Technology</i> , 2020 , 38, 573-582	4	5
396	Carbon Nanomaterials Based Saturable Absorbers for Ultrafast Passive Mode-Locking of Fiber Lasers. <i>Current Nanoscience</i> , 2020 , 16, 441-457	1.4	6
395	28-GHz Wireless Carrier Heterodyned From Orthogonally Polarized Tri-Color Laser Diode for Fading-Free Long-Reach MMWoF. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3388-3400	4	9
394	Multi-Color Laser Diode Heterodyned 28-GHz Millimeter-Wave Carrier Encoded With DMT for 5G Wireless Mobile Networks. <i>IEEE Access</i> , 2019 , 7, 122697-122706	3.5	11
393	Optimizing the Self-Amplitude Modulation of Different 2-D Saturable Absorbers for Ultrafast Mode-Locked Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-10	3.8	3
392	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-9	3.8	7
391	Fast Physical Random Bit Generation Based on a Broadband Chaotic Entropy Source Originated From a Filtered Feedback WRC-FPLD. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-10	1.8	3
390	Toward high-speed visible laser lighting based optical wireless communications. <i>Progress in Quantum Electronics</i> , 2019 , 67, 100225	9.1	38
389	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
388	CdSe/ZnS core-shell quantum dot assisted color conversion of violet laser diode for white lighting communication. <i>Nanophotonics</i> , 2019 , 8, 2189-2201	6.3	10
387	VCSEL with bi-layer oxidized aperture enables 140-Gbit/s OFDM Transmission over 100-m-long OM5 MMF 2019 ,		7
386	Cost-efficient half-duplex 10 Gbit/s all-optical indoor optical wireless communication enabled by a low-cost Fabry-Perot laser/photodetector. <i>Optics Letters</i> , 2019 , 44, 1158-1161	3	5
385	Nanoscale C-Rich SixC1 \times Bus/Ring Waveguide Based Cross-Wavelength Data Converter. <i>Annalen Der Physik</i> , 2019 , 531, 1800414	2.6	0

384	Nonlinear Absorption Applications of CH ₃ NH ₃ PbBr ₃ Perovskite Crystals. <i>Advanced Functional Materials</i> , 2018 , 28, 1707175	15.6	63
383	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
382	Nonlinear Optics: Nonlinear Absorption Applications of CH ₃ NH ₃ PbBr ₃ Perovskite Crystals (Adv. Funct. Mater. 18/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870122	15.6	3
381	Quasi-Color-Free LD-Based Long-Reach 28-GHz MMWoF With 512-QAM OFDM. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4282-4297	4	11
380	SiGeC Waveguide for All-Optical Data Switching. <i>ACS Photonics</i> , 2018 , 5, 2251-2260	6.3	12
379	. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 43-46	2.2	4
378	Ge-Rich SiGe Mode-Locker for Erbium-Doped Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-10	3.8	3
377	Strain-related recombination mechanisms in polar InGaN/GaN MQWs on amorphous SixC1-x buffers. <i>Optical Materials Express</i> , 2018 , 8, 1100	2.6	7
376	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
375	. <i>Journal of Lightwave Technology</i> , 2018 , 36, 703-711	4	9
374	Comparison on exfoliated graphene nano-sheets and triturated graphite nano-particles for mode-locking the Erbium-doped fibre lasers. <i>Laser Physics</i> , 2018 , 28, 065102	1.2	
373	752-MHz Modulation Bandwidth of High-Speed Blue Micro Light-Emitting Diodes. <i>IEEE Journal of Quantum Electronics</i> , 2018 , 1-1	2	22
372	360° omnidirectional, printable and transparent photodetectors for flexible optoelectronics. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	26
371	850/940-nm VCSEL for optical communication and 3D sensing. <i>Opto-Electronic Advances</i> , 2018 , 1, 18000501-18000511	10.1	11
370	Seawater Communication with Blue Laser Carried 16-QAM OFDM at 3.7 GBaud 2018 ,		1
369	Depolarized haze of nano-porous AAO film via porosity and aspect control. <i>Optical Materials</i> , 2018 , 75, 850-857	3.3	3
368	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
367	Saturated evanescent-wave absorption of few-layer graphene-covered side-polished single-mode fiber for all-optical switching. <i>Nanophotonics</i> , 2018 , 7, 207-215	6.3	10

366	Enhanced Nonlinear Refractive Index of C-Rich SiC Waveguides Via Annealing for PRZ-OOK Data Transmission. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-10	3.8	5
365	Realizing multi-functional all-optical data processing on nanoscale SiC waveguides. <i>Scientific Reports</i> , 2018 , 8, 14859	4.9	8
364	Long-reach 60-GHz MMWoF link with free-running laser diodes beating. <i>Scientific Reports</i> , 2018 , 8, 13714	4.9	12
363	Ultrahigh-speed violet laser diode based free-space optical communication beyond 25 Gbit/s. <i>Scientific Reports</i> , 2018 , 8, 13142	4.9	25
362	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
361	Large-Signal Modulation Performance of Light-Emitting Diodes With Photonic Crystals for Visible Light Communication. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 4375-4380	2.9	9
360	Incorporating MoS2 saturable absorption with nonlinear polarization rotation for stabilized mode-locking fibre lasers. <i>Laser Physics Letters</i> , 2018 , 15, 075102	1.5	12
359	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
358	. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3332-3343	4	7
357	Unintentional Polarization Dependent Pulsewidth of Graphene Mode-Locked Er-Doped Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 50-59	3.8	7
356	Nano-Porous MOSLEDs With Spatially Confined Si Quantum Dots Buried in Anodic Aluminum Oxide Membrane. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-7	3.8	3
355	Tunable C- and L-band laser source based on colorless laser diode. <i>Laser Physics Letters</i> , 2017 , 14, 035806	3.5	4
354	Blue Laser Diode Enables Underwater Communication at 12.4 Gbps. <i>Scientific Reports</i> , 2017 , 7, 40480	4.9	122
353	Constructed MC-CDMA LR-PON With Colorless Laser Diode and Multicode Interference Cancellation DSP. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2646-2653	4	4
352	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
351	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
350	Photostriction of strontium ruthenate. <i>Nature Communications</i> , 2017 , 8, 15018	17.4	36
349	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

348	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
347	Adjacent Channel Beating With Recombined Dual-Mode Colorless FPLD for MMW-PON. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-9	3.8	6
346	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
345	. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2409-2420	4	20
344	Tens of GHz Tantalum pentoxide-based micro-ring all-optical modulator for Si photonics. <i>Annalen Der Physik</i> , 2017 , 529, 1600358	2.6	11
343	Tunable Broadband Chaotic Signal Synthesis From a WRC-FPLD Subject to Filtered Feedback. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1506-1509	2.2	10
342	Polarization-manipulated all-optical cross-wavelength data inversion in a C-rich SiC _x micro-ring. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10158-10166	7.1	4
341	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
340	Violet Laser Diode Enables Lighting Communication. <i>Scientific Reports</i> , 2017 , 7, 10469	4.9	31
339	Two-Photon Absorption-Free Ultrafast Optical Switching in Carbon-Rich SixC1 ₈ Microring. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700095	6.8	9
338	All-optical switching in Ta2O5 based micro-ring resonator 2017 ,		1
337	. <i>IEEE Journal of Quantum Electronics</i> , 2017 , 53, 1-8	2	15
336	MC-CDMA Enhanced LR-PON Using Widely Wavelength Lockable FPLD With Low Facet Reflectance. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 747	4.1	5
335	Comparison of single-/few-/multi-mode 850 nm VCSELs for optical OFDM transmission. <i>Optics Express</i> , 2017 , 25, 16347-16363	3.3	36
334	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
333	Few-mode VCSEL chip for 100-Gb/s transmission over 100 m multimode fiber. <i>Photonics Research</i> , 2017 , 5, 507	6	21
332	17.6-Gbps Universal Filtered Multi-Carrier Encoding of GaN Blue LD for Visible Light Communication 2017 ,		5
331	60-Gbit/s QAM-OFDM Direct-Encoded Colorless Laser Diode Uniform Transmitter for DWDM-PON Channels 2017 ,		1

330	Few-Mode 850-nm VCSEL Chip with Direct 16-QAM OFDM Encoding at 80-Gbit/s for 100-m OM4 MMF Link 2017 ,		1
329	Long-Reach MMWoF Using Single-Sideband Modulated Dual-Mode VCSEL with 16-QAM OFDM at 8 Gbit/s 2017 ,		4
328	Lighting Communications. <i>Series in Optics and Optoelectronics</i> , 2017 , 645-659		
327	All-Optical Modulation in Si Quantum Dot-Doped SiO ₂ Micro-Ring Waveguide Resonator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 40-48	3.8	2
326	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
325	Degenerate Four-Wave Mixing in Si Quantum Dot Doped Si-Rich SiN _x Channel Waveguide. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4111-4120	4	3
324	All-Optical Cross-Absorption-Modulation Based Gb/s Switching With Silicon Quantum Dots. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 57-69	3.8	5
323	Stoichiometry detuned silicon carbide as an orange and white light band solid-state phosphor. <i>RSC Advances</i> , 2016 , 6, 7121-7128	3.7	3
322	Enriching Si quantum dots in a Si-rich SiN _x matrix for strong (B) optical nonlinearity. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1405-1413	7.1	24
321	Catalytically solid-phase self-organization of nanoporous SnS with optical depolarizability. <i>Nanoscale</i> , 2016 , 8, 4579-87	7.7	7
320	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
319	The Effect of Phosphor Concentration on Laser-Based White Light Communication System 2016 ,		1
318	RIN Suppressed Multimode 850-nm VCSEL for 56-Gbps 16-QAM OFDM and 22-Gbps PAM-4 Transmission 2016 ,		4
317	Four-Wave-Mixing-Free 12-Gbit/s MMWoF Transmission with Orthogonally Polarized Dual Wavelength Diode Laser 2016 ,		1
316	Cost-Effective Bi-Directional Mobile Fronthaul Employing WRC-FPLD for beyond LTE-Advanced Services 2016 ,		7
315	Backscattering Effect of Phosphor Diffuser on the Blue Laser Diode Based 5.2-Gbps Li-Fi Communication Link 2016 ,		1
314	Wireless optical transmission of 450 nm, 3.2 Gbit/s 16-QAM-OFDM signals over 6.6 m underwater channel 2016 ,		8
313	Dual-mode laser diode carrier with orthogonal polarization and single-mode modulation for remote-node heterodyne MMW-RoF. <i>Optics Letters</i> , 2016 , 41, 4676-4679	3	11

312	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
311	Optoelectronic Oscillators 2016 , 1-12		1
310	. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5118-5128	4	11
309	Growing GaN LEDs on amorphous SiC buffer with variable C/Si compositions. <i>Scientific Reports</i> , 2016 , 6, 19757	4.9	22
308	60-GHz Millimeter-wave Over Fiber with Directly Modulated Dual-mode Laser Diode. <i>Scientific Reports</i> , 2016 , 6, 27919	4.9	48
307	Four-Wave-Mixing Suppression of Master-to-Slave Injection-Locked Two-Wavelength FPLD Pair for MMW-PON. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4810-4818	4	11
306	Pre-Chirped Pulse Excitation Enhanced Terahertz Radiation. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 253-261	3.4	1
305	Nonstoichiometric SiC Bus/Ring Waveguide Based All-Optical Data Format Follower and Inverter. <i>ACS Photonics</i> , 2016 , 3, 806-818	6.3	18
304	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
303	. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1821-1824	2.2	3
302	. <i>Journal of Lightwave Technology</i> , 2015 , 33, 832-842	4	9
301	Effect of Injection Coherence on Noise and Bandwidth of Long-Cavity Colorless Laser Diode for Digital Modulation and Transmission. <i>IEEE Journal of Quantum Electronics</i> , 2015 , 51, 1-14	2	
300	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
299	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
298	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
297	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
296	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
295	TO-56-can packaged colorless WRC-FPLD for QAM OFDM transmission at 42 Gbit/s over 25-km SMF. <i>Optics Express</i> , 2015 , 23, 22676-90	3.3	3

294	Strong optical nonlinearity of the nonstoichiometric silicon carbide. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10164-10176	7.1	35
293	Pulse-Width Saturation and Kelly-Sideband Shift in a Graphene-Nanosheet Mode-Locked Fiber Laser with Weak Negative Dispersion. <i>Physical Review Applied</i> , 2015 , 3,	4.3	11
292	An Injection-Locked Weak-Resonant-Cavity Laser Diode for Beyond-Bandwidth Encoded 10-Gb/s OOK Transmission. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-9	1.8	2
291	Semi-transparent silicon-rich silicon carbide photovoltaic solar cells. <i>RSC Advances</i> , 2015 , 5, 36262-36269	3.7	7
290	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 609-618	3.8	23
289	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
288	Si-rich SiNx based Kerr switch enables optical data conversion up to 12 Gbit/s. <i>Scientific Reports</i> , 2015 , 5, 9611	4.9	54
287	Phosphorous Diffuser Diverged Blue Laser Diode for Indoor Lighting and Communication. <i>Scientific Reports</i> , 2015 , 5, 18690	4.9	83
286	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
285	Can silicon carbide serve as a saturable absorber for passive mode-locked fiber lasers?. <i>Scientific Reports</i> , 2015 , 5, 16463	4.9	11
284	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
283	Using n- and p-Type Bi2Te3 Topological Insulator Nanoparticles To Enable Controlled Femtosecond Mode-Locking of Fiber Lasers. <i>ACS Photonics</i> , 2015 , 2, 481-490	6.3	168
282	Reusing Downstream Carrier in Colorless Laser Diode for Full-Duplex 64-QAM OFDM. <i>Journal of Lightwave Technology</i> , 2015 , 33, 1780-1787	4	5
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