

Gong-Ru Lin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Chirped Dispersion and Modal Partition Noise on Multimode VCSEL Encoded With NRZ-OOK and PAM-4 Formats. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-9.	2.9	8
2	Ge p-i-n Photodiode as 60-Gbit/s Optical NRZ-OOK Data Receiver. Journal of Lightwave Technology, 2022, 40, 4326-4336.	4.6	4
3	Effect of Transmission-Line Contact Length on the 50-Gbit/s Data Encoding Performance of a Multimode VCSEL. Photonics, 2022, 9, 114.	2.0	1
4	Low-Power Photodetectors Based on PVA-Modified Reduced Graphene Oxide Hybrid Solutions. Macromolecular Rapid Communications, 2022, 43, e2100854.	3.9	6
5	Low-Temperature PECVD Growth of Germanium for Mode-Locking of Er-Doped Fiber Laser. Nanomaterials, 2022, 12, 1197.	4.1	7
6	Comparing the Dual-Mode VCSEL in OM4-MMF and GI-SMF Links for NRZ-OOK and 16-QAM-OFDM Transmissions. IEEE Photonics Journal, 2022, 14, 1-13.	2.0	7
7	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. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-13.	2.9	1
8	Coupling angle tolerance of the 850-nm single-mode VCSEL output collimated by lensed OM4-MMF or GI-SMF for a NRZ-OOK link. Optics Express, 2022, 30, 17130.	3.4	3
9	Nearly 70% Gbit/s NRZ-OOK encoding of a dual-mode 850-nm VCSEL with a highly In-doped and small Zn-diffused emission area. Photonics Research, 2022, 10, 1602.	7.0	4
10	Single-Mode VCSEL Transmission for Short Reach Communications. Journal of Lightwave Technology, 2021, 39, 868-880.	4.6	31
11	Resistor Inductor Capacitor Impedance Optimization of Violet Laser Diodes for Free-Space Quadrature Amplitude Modulation Orthogonal Frequency Division Multiplexing Data Link. IEEE Transactions on Industrial Electronics, 2021, 68, 7684-7692.	7.9	1
12	100-Km Long-Reach Carrierless 5G MMWoF Link With Destructive-Interference-Beating or Single-Sideband-Filtering OFDM. Journal of Lightwave Technology, 2021, 39, 7831-7841.	4.6	5
13	Experimental demonstration of a chaotic communication system with a switchable chaotic carrier wavelength based on two weak-resonant-cavity Fabry-Perot laser diodes. Applied Optics, 2021, 60, 2745.	1.8	4
14	Incoherent Laser Heterodyned Long-Reach 60-GHz MMWoF Link With Volterra Filtered 16-QAM OFDM Beyond 13 Gbps. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	2.9	8
15	Higher order mode supercontinuum generation in tantalum pentoxide (Ta ₂ O ₅) channel waveguide. Scientific Reports, 2021, 11, 7978.	3.3	5
16	Ultrathin amorphous Ge film enabling stabilized femtosecond fiber laser pulsation. Optics and Laser Technology, 2021, 136, 106761.	4.6	8
17	4-QAM OFDM Data Switching via Free Carrier Absorption in Si-Rich SiC Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	2.9	4
18	Compact High-Power Visible Laser Diode Wavelength Division Multiplexing for White-Light Communication. Advanced Photonics Research, 2021, 2, 2100075.	3.6	2

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19	C-Band Silicon Waveguide Modulation With 50-Gbit/s NRZ-OOK Over 10-km SMF and DSF. IEEE Journal of Quantum Electronics, 2021, 57, 1-9.	1.9	3
20	Photonic Crystal Structured Multi-Mode VCSELs Enabling 92-Gbit/s QAM-OFDM Transmission. Journal of Lightwave Technology, 2021, 39, 4331-4340.	4.6	6
21	Ultrafast 2 μm green micro-LED array for optical wireless communication beyond 5 μm Gbit/s. Photonics Research, 2021, 9, 2077.	7.0	31
22	Quad-Mode VCSEL Optical Carrier for Long-Reach Ka-Band Millimeter-Wave Over Fiber Link. IEEE Journal on Selected Areas in Communications, 2021, 39, 2838-2848.	14.0	3
23	Beyond GHz Optical Frequency Up-converted Modulation of LEDs with Integrated Acousto-optic Transducer. Optics Letters, 2021, 46, 5189-5192.	3.3	0
24	QAM-GFDM of Dual-Mode VCSEL Mixed 28-GHz MMW Carrier for Fiber-Wireless Link. Journal of Lightwave Technology, 2021, 39, 6076-6084.	4.6	4
25	Review of VCSELs for Complex Data-Format Transmission Beyond 100-Gbit/s. IEEE Photonics Journal, 2021, 13, 1-13.	2.0	10
26	850-nm Dual-Mode VCSEL Carried 53-Gbps NRZ- OOK Transmission in 100-m Graded-Index Single-Mode Fiber. , 2021, , .		1
27	Ultrafast Perovskite Color Conversion of Blue Laser Diode for White-Lighting Optical Wireless Link. , 2021, , .		0
28	Inductance Impact on Digital Encoding Performance of 850-nm Multimode VCSELs for 50-Gbps NRZ-OOK Data Link. , 2021, , .		0
29	Ultimate Impulse Response and Relative Delay of a Pulsated VCSEL Array at 940 nm for Improving ToF Resolution. , 2021, , .		0
30	50 Gb/s Zn-diffusion Few-Mode VCSELs for over 100-m GI-SMF Transmission at 850 nm Wavelength. IEEE Nanotechnology Magazine, 2021, , 1-1.	2.0	0
31	High-Baud-Rate 32-QAM OFDM Single-arm and Dual-arm Encoded Silicon Mach-Zehnder Modulator. , 2021, , .		0
32	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
33	Comparison on OM5-MMF and OM4-MMF Data Links With 32-GBaud PAM-4 Modulated Few-Mode VCSEL at 850 μm . Journal of Lightwave Technology, 2020, 38, 573-582.	4.6	7
34	Amplitude/Polarization Shift Keying Based and Logic Gate in Polarization Dependent C-Rich SiC Ring Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-9.	2.9	4
35	Characteristics of Blue GaN/InGaN Quantum-Well Light-Emitting Transistor. IEEE Electron Device Letters, 2020, 41, 91-94.	3.9	5
36	Temperature and Noise Dependence of Tri-Mode VCSEL Carried 120-Gbit/s QAM-OFDM Data in Back-to-Back and OM5-MMF Links. Journal of Lightwave Technology, 2020, 38, 6746-6758.	4.6	11

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37	Simultaneous Generation of Multi-Channel Broadband Chaotic Signals Based on Two Unidirectionally Coupled WRC-FPLDs. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	2.0	3
38	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.	4.3	12
39	Si-QD Synthesis for Visible Light Emission, Color Conversion, and Optical Switching. <i>Materials</i> , 2020, 13, 3635.	2.9	3
40	Suppression of Relative Intensity and Mode Partition Noises in Orthogonally Polarized Dual-Wavelength VCSEL. <i>Journal of Lightwave Technology</i> , 2020, 38, 6612-6622.	4.6	3
41	Power Envelope Detection of 40-Gbit/s GFDM Data in Two-color VCSEL Based MMW-Oscillator-Free 5G Network. , 2020, , .		1
42	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7384.	2.5	69
43	Advanced Modulation Format of Probabilistic Shaping Bit Loading for 450-nm GaN Laser Diode based Visible Light Communication. <i>Sensors</i> , 2020, 20, 6143.	3.8	9
44	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.	4.2	12
45	100-Gbit/s EML Transmitter and PIN-PD+TIA Receiver-Based Inter-Data Center Link. <i>Journal of Lightwave Technology</i> , 2020, 38, 2144-2151.	4.6	8
46	Carbon Nanomaterials Based Saturable Absorbers for Ultrafast Passive Mode-Locking of Fiber Lasers. <i>Current Nanoscience</i> , 2020, 16, 441-457.	1.2	17
47	High-speed integrated micro-LED array for visible light communication. <i>Optics Letters</i> , 2020, 45, 2203.	3.3	45
48	Nonlinear and low-loss tantalum pentoxide based micro-ring resonator by ion-assisted electron-beam deposition. <i>OSA Continuum</i> , 2020, 3, 3433.	1.8	3
49	Four-Color LD+LED Lighting Module for 30-Gbps Visible Wavelength Division Multiplexing Data Transmission. , 2020, , .		3
50	GFDM Data Encoded Si Waveguide Mach-Zehnder Modulator Beyond 150 Gbit/s. , 2020, , .		0
51	Photonic crystal structured blue μ LED with aperture size dependent data transmission performance in plastic fiber link. <i>OSA Continuum</i> , 2020, 3, 104.	1.8	4
52	Multimode VCSEL Enables Multi-Data-Format Encoding up to 124 Gbit/s. , 2020, , .		1
53	Incoherent Dual Laser Carriers Enable 60-GHz Millimeter-Wave-Over-Fiber Link. , 2020, , .		0
54	Frequency Slicing Pre-equalization Scheme for Laser Diode based Underwater Visible Light Communication. , 2020, , .		0

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55	Miniature R/G/V-LDs+Y-LED Mixed White-Lighting Module with High-Lux and High-CRI for 20-Gbps Li-Fi. , 2020, , .		2
56	Beyond 10 Gbps 450-nm GaN Laser Diode based Visible Light Communication System utilizing Probabilistic Shaping Bit Loading Scheme. , 2020, , .		1
57	White-light color conversion with red/green/violet laser diodes and yellow light-emitting diode mixing for 34.8â€‰%â€‰Gbit/s visible lighting communication. Photonics Research, 2020, 8, 1398.	7.0	15
58	Design of Optical Transmitter Module for O-band Silicon Photonic Engine. , 2020, , .		0
59	Toward high-speed visible laser lighting based optical wireless communications. Progress in Quantum Electronics, 2019, 67, 100225.	7.0	63
60	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
61	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
62	30 Gbit/s Optical Wireless Communication with Red/Green/Violet LD Mixed White Light. , 2019, , .		0
63	28-GHz Wireless Carrier Heterodyned From Orthogonally Polarized Tri-Color Laser Diode for Fading-Free Long-Reach MMWoF. Journal of Lightwave Technology, 2019, 37, 3388-3400.	4.6	13
64	Multi-Color Laser Diode Heterodyned 28-GHz Millimeter-Wave Carrier Encoded With DMT for 5G Wireless Mobile Networks. IEEE Access, 2019, 7, 122697-122706.	4.2	12
65	Optimizing the Self-Amplitude Modulation of Different 2-D Saturable Absorbers for Ultrafast Mode-Locked Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	2.9	6
66	Long-Term Thermal Stability of Single-Mode VCSEL Under 96-Gbit/s OFDM Transmission. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	2.9	10
67	Fast Physical Random Bit Generation Based on a Broadband Chaotic Entropy Source Originated From a Filtered Feedback WRC-FPLD. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	9
68	52-GBaud pre-emphasized PAM-4 encoding of EAM/DFBLD at 1310 nm for inter datacenter link. , 2019, , .		0
69	Nanoscale Câ€Rich Si<i>_x</i>C_{1-â€^}<i>_x</i> Bus/Ring Waveguide Based Crossâ€Wavelength Data Converter. Annalen Der Physik, 2019, 531, 1800414.	2.4	1
70	VCSEL with bi-layer oxidized aperture enables 140-Gbit/s OFDM Transmission over 100-m-long OM5 MMF. , 2019, , .		7
71	Cost-efficient half-duplex 10â€‰%â€‰Gbit/s all-optical indoor optical wireless communication enabled by a low-cost Fabryâ€Perot laser/photodetector. Optics Letters, 2019, 44, 1158.	3.3	9
72	Violet laser diode based 25-Gbps point-to-point and 12-Gbps MEH/BBEHP converted white lighting QAM-OFDM link. , 2019, , .		0

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73	Editorial for Special Issue on Underwater Wireless Optical Communication. Chinese Optics Letters, 2019, 17, 100001.	2.9	1
74	Filtering of Mixed Data Streams with Orthogonal Polarization up to 50 Gbps in Micro-Ring/Bus Waveguide. , 2019, , .		0
75	Nonlinear Absorption Applications of CH ₃ NH ₃ PbBr ₃ Perovskite Crystals. Advanced Functional Materials, 2018, 28, 1707175.	14.9	84
76	White-Lighting Communication With a Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ /CaAlSiN ₃ :Eu ²⁺ Glass Covered 450-nm InGaN Laser Diode. Journal of Lightwave Technology, 2018, 36, 1634-1643.	4.6	27
77	Nonlinear Optics: Nonlinear Absorption Applications of CH ₃ NH ₃ PbBr ₃ Perovskite Crystals (Adv. Funct. Mater. 18/2018). Advanced Functional Materials, 2018, 28, 1870122.	14.9	3
78	Quasi-Color-Free LD-Based Long-Reach 28-GHz MMWoF With 512-QAM OFDM. Journal of Lightwave Technology, 2018, 36, 4282-4297.	4.6	14
79	SiGeC Waveguide for All-Optical Data Switching. ACS Photonics, 2018, 5, 2251-2260.	6.6	15
80	Colorless WRC-FPLDs Subject to Gain-Saturated RSOA Feedback for WDM-PONs. IEEE Photonics Technology Letters, 2018, 30, 43-46.	2.5	7
81	Ge-Rich SiGe Mode-Locker for Erbium-Doped Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	2.9	4
82	Depolarized haze of nano-porous AAO film via porosity and aspect control. Optical Materials, 2018, 75, 850-857.	3.6	4
83	Filtered Multicarrier OFDM Encoding on Blue Laser Diode for 14.8-Gbps Seawater Transmission. Journal of Lightwave Technology, 2018, 36, 1739-1745.	4.6	64
84	Saturated evanescent-wave absorption of few-layer graphene-covered side-polished single-mode fiber for all-optical switching. Nanophotonics, 2018, 7, 207-215.	6.0	13
85	Enhanced Nonlinear Refractive Index of C-Rich SiC Waveguides Via Annealing for PRZ-OOK Data Transmission. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	2.9	8
86	SiC waveguide based all-optical data processing. , 2018, , .		0
87	RC Time Constant and Resistance Reduced VCSEL for Broadband QAM-OFDM. , 2018, , .		0
88	Realizing multi-functional all-optical data processing on nanoscale SiC waveguides. Scientific Reports, 2018, 8, 14859.	3.3	14
89	Long-reach 60-GHz MMWoF link with free-running laser diodes beating. Scientific Reports, 2018, 8, 13711.	3.3	20
90	Ultrahigh-speed violet laser diode based free-space optical communication beyond 25 Gbit/s. Scientific Reports, 2018, 8, 13142.	3.3	41

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91	Red/green/blue LD mixed white-light communication at 6500K with divergent diffuser optimization. Optics Express, 2018, 26, 23397.	3.4	23
92	Large-Signal Modulation Performance of Light-Emitting Diodes With Photonic Crystals for Visible Light Communication. IEEE Transactions on Electron Devices, 2018, 65, 4375-4380.	3.0	15
93	Incorporating MoS ₂ saturable absorption with nonlinear polarization rotation for stabilized mode-locking fibre lasers. Laser Physics Letters, 2018, 15, 075102.	1.4	16
94	75-km Long Reach Dispersion Managed OFDM-PON at 60 Gbit/s With Quasi-Color-Free LD. Journal of Lightwave Technology, 2018, 36, 2394-2408.	4.6	18
95	High-Temperature Insensitivity of 50-Gb/s 16-QAM-DMT Transmission by Using the Temperature-Compensated Vertical-Cavity Surface-Emitting Lasers. Journal of Lightwave Technology, 2018, 36, 3332-3343.	4.6	9
96	Strain-related recombination mechanisms in polar InGaN/GaN MQWs on amorphous Si _x C _{1-x} buffers. Optical Materials Express, 2018, 8, 1100.	3.0	7
97	Single-mode VCSEL for pre-emphasis PAM-4 transmission up to 64 Gbit/s over 100 m in OM4 MME. Photonics Research, 2018, 6, 666.	7.0	32
98	CWDM DFBLD Transmitter Module for 10-km Interdata Center With Single-Channel 50-Gbit/s PAM-4 and 62-Gbit/s QAM-OFDM. Journal of Lightwave Technology, 2018, 36, 703-711.	4.6	10
99	Comparison on exfoliated graphene nano-sheets and triturated graphite nano-particles for mode-locking the Erbium-doped fibre lasers. Laser Physics, 2018, 28, 065102.	1.2	0
100	752-MHz Modulation Bandwidth of High-Speed Blue Micro Light-Emitting Diodes. IEEE Journal of Quantum Electronics, 2018, 54, 1-6.	1.9	32
101	360° omnidirectional, printable and transparent photodetectors for flexible optoelectronics. Npj Flexible Electronics, 2018, 2, .	10.7	40
102	850/940-nm VCSEL for optical communication and 3D sensing. Opto-Electronic Advances, 2018, 1, 18000501-18000511.	13.3	42
103	Experimental Investigation on the Nonlinear Dynamics of a Weak-resonant-cavity Fabry-Perot Laser Diode Subject to Optical Injection. Guangzi Xuebao/Acta Photonica Sinica, 2018, 47, 314002.	0.3	0
104	Single-mode VCSEL for Nearly 100-Gbit/s QAM-OFDM transmission over 100-m OM4 multi-mode fiber. , 2018, , .		1
105	Simulation Model of Multiple Oxide-Aperture VCSEL. , 2018, , .		0
106	Seawater Communication with Blue Laser Carried 16-QAM OFDM at 3.7 GBaud. , 2018, , .		1
107	Unintentional Polarization Dependent Pulsewidth of Graphene Mode-Locked Er-Doped Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 50-59.	2.9	8
108	Nano-Porous MOSLEDs With Spatially Confined Si Quantum Dots Buried in Anodic Aluminum Oxide Membrane. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7.	2.9	3

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109	Tunable C- and L-band laser source based on colorless laser diode. Laser Physics Letters, 2017, 14, 035806.	1.4	5
110	Blue Laser Diode Enables Underwater Communication at 12.4%Gbps. Scientific Reports, 2017, 7, 40480.	3.3	177
111	Constructed MC-CDMA LR-PON With Colorless Laser Diode and Multicode Interference Cancellation DSP. Journal of Lightwave Technology, 2017, 35, 2646-2653.	4.6	5
112	Efficient Heat Dissipation of Uncooled 400-Gbps (16Å–25-Gbps) Optical Transceiver Employing Multimode VCSEL and PD Arrays. Scientific Reports, 2017, 7, 46608.	3.3	13
113	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
114	Photostriction of strontium ruthenate. Nature Communications, 2017, 8, 15018.	12.8	53
115	Tricolor R/G/B Laser Diode Based Eye-Safe White Lighting Communication Beyond 8%Gbit/s. Scientific Reports, 2017, 7, 11.	3.3	237
116	Destructively Interfered Beating Dual-Mode VCSEL for Carrierless MMW Fiber-Wireless Access Link With Suppressed RF Fading. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-9.	2.9	17
117	Adjacent Channel Beating With Recombined Dual-Mode Colorless FPLD for MMW-PON. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-9.	2.9	7
118	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
119	Millimeter-Wave Carrier Embedded Dual-Color Laser Diode for 5G MMW oF Link. Journal of Lightwave Technology, 2017, 35, 2409-2420.	4.6	28
120	Tens of GHz Tantalum pentoxide-based micro-ring all-optical modulator for Si photonics. Annalen Der Physik, 2017, 529, 1600358.	2.4	13
121	Tunable Broadband Chaotic Signal Synthesis From a WRC-FPLD Subject to Filtered Feedback. IEEE Photonics Technology Letters, 2017, 29, 1506-1509.	2.5	21
122	Polarization-manipulated all-optical cross-wavelength data inversion in a C-rich SiC micro-ring. Journal of Materials Chemistry C, 2017, 5, 10158-10166.	5.5	6
123	Blue Laser Diode Based Free-space Optical Data Transmission elevated to 18%Gbps over 16%km. Scientific Reports, 2017, 7, 10478.	3.3	31
124	Violet Laser Diode Enables Lighting Communication. Scientific Reports, 2017, 7, 10469.	3.3	36
125	Two-Photon Absorption-Free Ultrafast Optical Switching in Carbon-Rich SiC micro-ring. Advanced Materials Technologies, 2017, 2, 1700095.	5.8	14
126	Violet diode laser based 11.2-Gbit/s point-to-point and 4.4-Gbit/s white lighting communications. , 2017, , .		1

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127	All-optical switching in Ta ₂ O ₅ based micro-ring resonator. , 2017, , .		1
128	Investigation of mirror-resistance reduction in the signal transmission integrity of VCSELs. , 2017, , .		0
129	Modal Linewidth Dependent Transmission Performance of 850-nm VCSELs With Encoding PAM-4 Over 100-m MMF. IEEE Journal of Quantum Electronics, 2017, 53, 1-8.	1.9	18
130	MC-CDMA Enhanced LR-PON Using Widely Wavelength Lockable FPLD With Low Facet Reflectance. Journal of Optical Communications and Networking, 2017, 9, 747.	4.8	5
131	Comparison of single-/few-/multi-mode 850 nm VCSELs for optical OFDM transmission. Optics Express, 2017, 25, 16347.	3.4	43
132	Two-color laser diode for 54-Gb/s fiber-wired and 16-Gb/s MMW wireless OFDM transmissions. Photonics Research, 2017, 5, 271.	7.0	18
133	Few-mode VCSEL chip for 100-Gb/s transmission over 100m multimode fiber. Photonics Research, 2017, 5, 507.	7.0	33
134	Over 10-Gbit/s Pulsed RZ-OOK Wavelength and Format Switching in Two-Photon-Absorption-Free SiC Waveguide. , 2017, , .		0
135	Tri-color Optical Transmitter with Embedding 28-GHz Millimeter-wave Carrier for 5G Mobile over Fiber. , 2017, , .		1
136	17.6-Gbps Universal Filtered Multi-Carrier Encoding of GaN Blue LD for Visible Light Communication. , 2017, , .		8
137	60-Gbit/s QAM-OFDM Direct-Encoded Colorless Laser Diode Uniform Transmitter for DWDM-PON Channels. , 2017, , .		1
138	Few-Mode 850-nm VCSEL Chip with Direct 16-QAM OFDM Encoding at 80-Gbit/s for 100-m OM4 MMF Link. , 2017, , .		1
139	Long-Reach MMWoF Using Single-Sideband Modulated Dual-Mode VCSEL with 16-QAM OFDM at 8 Gbit/s. , 2017, , .		4
140	Enhanced Four-Wave-Mixing of Inversely Tapered Asymmetric C-rich SiC Channel Waveguide. , 2017, , .		0
141	C-C Bond Enriched SiC Add-drop Micro-ring Based All-Optical Logic Gate. , 2017, , .		1
142	Lighting Communications. Series in Optics and Optoelectronics, 2017, , 645-659.	0.0	0
143	Wireless optical transmission of 450 nm, 3.2 Gbit/s 16-QAM-OFDM signals over 6.6 m underwater channel. , 2016, , .		11
144	Dual-mode laser diode carrier with orthogonal polarization and single-mode modulation for remote-node heterodyne MMW-RoF. Optics Letters, 2016, 41, 4676.	3.3	12

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145	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.	3.4	27
146	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
147	Growing GaN LEDs on amorphous SiC buffer with variable C/Si compositions. <i>Scientific Reports</i> , 2016, 6, 19757.	3.3	26
148	60-GHz Millimeter-wave Over Fiber with Directly Modulated Dual-mode Laser Diode. <i>Scientific Reports</i> , 2016, 6, 27919.	3.3	59
149	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.	4.6	16
150	Pre-Chirped Pulse Excitation Enhanced Terahertz Radiation. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 253-261.	3.1	1
151	Nonstoichiometric SiC Bus/Ring Waveguide Based All-Optical Data Format Follower and Inverter. <i>ACS Photonics</i> , 2016, 3, 806-818.	6.6	27
152	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.	5.5	18
153	Degenerate Four-Wave Mixing in Si Quantum Dot Doped Si-Rich SiNx Channel Waveguide. <i>Journal of Lightwave Technology</i> , 2016, 34, 4111-4120.	4.6	5
154	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.	2.9	7
155	Stoichiometry detuned silicon carbide as an orange and white light band solid-state phosphor. <i>RSC Advances</i> , 2016, 6, 7121-7128.	3.6	4
156	Enriching Si quantum dots in a Si-rich SiN _x matrix for strong third-order optical nonlinearity. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1405-1413.	5.5	32
157	Catalytically solid-phase self-organization of nanoporous SnS with optical depolarizability. <i>Nanoscale</i> , 2016, 8, 4579-4587.	5.6	8
158	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.	2.1	32
159	All-Optical Modulation in Si Quantum Dot-Doped SiO Micro-Ring Waveguide Resonator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 40-48.	2.9	3
160	The Effect of Phosphor Concentration on Laser-Based White Light Communication System. , 2016, , .		1
161	RIN Suppressed Multimode 850-nm VCSEL for 56-Gbps 16-QAM OFDM and 22-Gbps PAM-4 Transmission. , 2016, , .		5
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