

Sergei Popov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4132714/publications.pdf>

Version: 2024-02-01

164
papers

2,929
citations

186265

28
h-index

214800

47
g-index

165
all docs

165
docs citations

165
times ranked

2417
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiband Carrierless Amplitude Phase Modulation for High Capacity Optical Data Links. <i>Journal of Lightwave Technology</i> , 2014, 32, 798-804.	4.6	303
2	Optically Transparent Wood: Recent Progress, Opportunities, and Challenges. <i>Advanced Optical Materials</i> , 2018, 6, 1800059.	7.3	135
3	200 Gbps/Lane IM/DD Technologies for Short Reach Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2020, 38, 492-503.	4.6	117
4	0.4 THz Photonic-Wireless Link With 106 Gb/s Single Channel Bitrate. <i>Journal of Lightwave Technology</i> , 2018, 36, 610-616.	4.6	113
5	Chromatic dispersion compensation in coherent transmission system using digital filters. <i>Optics Express</i> , 2010, 18, 16243.	3.4	95
6	Lasing from Organic Dye Molecules Embedded in Transparent Wood. <i>Advanced Optical Materials</i> , 2017, 5, 1700057.	7.3	87
7	Thickness Dependence of Optical Transmittance of Transparent Wood: Chemical Modification Effects. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35451-35457.	8.0	72
8	Dye photodestruction in a solid-state dye laser with a polymeric gain medium. <i>Applied Optics</i> , 1998, 37, 6449.	2.1	66
9	100 GHz Externally Modulated Laser for Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2017, 35, 1174-1179.	4.6	64
10	Light-Converting Polymer/Si Nanocrystal Composites with Stable 60% Quantum Efficiency and Their Glass Laminates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30267-30272.	8.0	57
11	140/180/204-Gbaud OOK Transceiver for Inter- and Intra-Data Center Connectivity. <i>Journal of Lightwave Technology</i> , 2019, 37, 178-187.	4.6	48
12	Free-Space Communications Enabled by Quantum Cascade Lasers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000407.	1.8	48
13	Integrated dual-laser photonic chip for high-purity carrier generation enabling ultrafast terahertz wireless communications. <i>Nature Communications</i> , 2022, 13, 1388.	12.8	48
14	Reversible Dual-Stimuli-Responsive Chromic Transparent Wood Biocomposites for Smart Window Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3270-3277.	8.0	47
15	Nonlinear Coherent Optical Systems in the Presence of Equalization Enhanced Phase Noise. <i>Journal of Lightwave Technology</i> , 2021, 39, 4646-4653.	4.6	46
16	Gigabit free-space multi-level signal transmission with a mid-infrared quantum cascade laser operating at room temperature. <i>Optics Letters</i> , 2017, 42, 3646.	3.3	46
17	Twisted Laguerre-Gaussian Schell-model beam and its orbital angular moment. <i>Optics Express</i> , 2018, 26, 33956.	3.4	43
18	Analytical estimation of phase noise influence in coherent transmission system with digital dispersion equalization. <i>Optics Express</i> , 2011, 19, 7756.	3.4	42

#	ARTICLE	IF	CITATIONS
19	Nonlinearity-aware 200â€‰Gbit/s DMT transmission for C-band short-reach optical interconnects with a single packaged electro-absorption modulated laser. <i>Optics Letters</i> , 2018, 43, 182.	3.3	42
20	Comprehensive Study of Equalization-Enhanced Phase Noise in Coherent Optical Systems. <i>Journal of Lightwave Technology</i> , 2015, 33, 4834-4841.	4.6	39
21	Light Scattering by Structurally Anisotropic Media: A Benchmark with Transparent Wood. <i>Advanced Optical Materials</i> , 2018, 6, 1800999.	7.3	39
22	Digital mobile fronthaul employing differential pulse code modulation with suppressed quantization noise. <i>Optics Express</i> , 2017, 25, 31921.	3.4	37
23	Microwave synthesis of Y ₂ O ₃ :Eu ³⁺ nanophosphors: A study on the influence of dopant concentration and calcination temperature on structural and photoluminescence properties. <i>Journal of Luminescence</i> , 2016, 169, 1-8.	3.1	36
24	Phase detection of coherence singularities and determination of the topological charge of a partially coherent vortex beam. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	34
25	Bridging the Terahertz Gap: Photonics-Assisted Free-Space Communications From the Submillimeter-Wave to the Mid-Infrared. <i>Journal of Lightwave Technology</i> , 2022, 40, 3149-3162.	4.6	33
26	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. <i>IEEE Communications Magazine</i> , 2019, 57, 131-137.	6.1	32
27	Facile Processing of Transparent Wood Nanocomposites with Structural Color from Plasmonic Nanoparticles. <i>Chemistry of Materials</i> , 2021, 33, 3736-3745.	6.7	32
28	Real-time 100 Gbps/â€‰core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. <i>Optics Express</i> , 2018, 26, 10519.	3.4	31
29	Spectrally efficient digitized radio-over-fiber system with k-means clustering-based multidimensional quantization. <i>Optics Letters</i> , 2018, 43, 1546.	3.3	31
30	204-GBaud On-Off Keying Transmitter for Inter-Data Center Communications. , 2018, , .		31
31	Modeling polarization-dependent gain in fiber Raman amplifiers with randomly varying birefringence. <i>Optics Communications</i> , 2006, 262, 114-119.	2.1	29
32	Receiver implemented RF pilot tone phase noise mitigation in coherent optical nPSK and nQAM systems. <i>Optics Express</i> , 2011, 19, 14487.	3.4	29
33	High Speed PAM-8 Optical Interconnects with Digital Equalization based on Neural Network. , 2016, , .		29
34	Laser Frequency Noise in Coherent Optical Systems: Spectral Regimes and Impairments. <i>Scientific Reports</i> , 2017, 7, 844.	3.3	23
35	Normalized LMS digital filter for chromatic dispersion equalization in 112-Gbit/s PDM-QPSK coherent optical transmission system. <i>Optics Communications</i> , 2010, 283, 963-967.	2.1	22
36	Phase noise tolerance study in coherent optical circular QAM transmissions with Viterbi-Viterbi carrier phase estimation. <i>Optics Express</i> , 2014, 22, 30579.	3.4	22

#	ARTICLE	IF	CITATIONS
37	Impact of local oscillator frequency noise on coherent optical systems with electronic dispersion compensation. <i>Optics Express</i> , 2015, 23, 11221.	3.4	22
38	Photostable Polymer/Si Nanocrystal Bulk Hybrids with Tunable Photoluminescence. <i>ACS Photonics</i> , 2016, 3, 1575-1580.	6.6	22
39	Refractive index of delignified wood for transparent biocomposites. <i>RSC Advances</i> , 2020, 10, 40719-40724.	3.6	22
40	Integrated Dual-DFB Laser for 408 GHz Carrier Generation Enabling 131 Gbit/s Wireless Transmission over 10.7 Meters. , 2019, , .		22
41	The impact of pump polarization on the polarization dependence of the Raman gain due to the breaking of a fibre's circular symmetry. <i>Journal of Optics</i> , 2004, 6, S72-S76.	1.5	20
42	EEPN and CD study for coherent optical nPSK and nQAM systems with RF pilot based phase noise compensation. <i>Optics Express</i> , 2012, 20, 8862.	3.4	20
43	Experimental Study of 1.55- μm EML-Based Optical IM/DD PAM-4/8 Short Reach Systems. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 523-526.	2.5	19
44	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. <i>Journal of Lightwave Technology</i> , 2019, 37, 356-362.	4.6	19
45	Charge Regulated Diffusion of Silica Nanoparticles into Wood for Flame Retardant Transparent Wood. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	19
46	Synthesis of tetrahedral quasi-type-II CdSe@CdS core-shell quantum dots. <i>Nanotechnology</i> , 2011, 22, 425202.	2.6	18
47	Study of EEPN mitigation using modified RF pilot and Viterbi-Viterbi based phase noise compensation. <i>Optics Express</i> , 2013, 21, 12351.	3.4	18
48	Field trial over 820 km installed SSMF and its potential Terabit/s superchannel application with up to 57.5-Gbaud DP-QPSK transmission. <i>Optics Communications</i> , 2015, 353, 133-138.	2.1	18
49	Real-Time 100 Gb/s Transmission Using Three-Level Electrical Duobinary Modulation for Short-Reach Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2017, 35, 1313-1319.	4.6	18
50	Two-Section Fiber Optic Raman Polarizer. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 56-60.	1.9	17
51	Statistical model of migration-assisted upconversion in a high-concentration erbium-doped fiber amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1540.	2.1	16
52	Spun fiber Raman amplifiers with reduced polarization impairments. <i>Optics Express</i> , 2008, 16, 14380.	3.4	16
53	Influence of Pre- and Post-compensation of Chromatic Dispersion on Equalization Enhanced Phase Noise in Coherent Multilevel Systems. <i>Journal of Optical Communications</i> , 2011, 32, .	4.7	16
54	Photostability of lasing process from water solution of Rhodamine 6G with gold nanoparticles. <i>Optics Letters</i> , 2012, 37, 34.	3.3	16

#	ARTICLE	IF	CITATIONS
55	Carrier phase estimation methods in coherent transmission systems influenced by equalization enhanced phase noise. Optics Communications, 2013, 293, 54-60.	2.1	16
56	Carrier Phase Recovery Algorithms for Coherent Optical Circular mQAM Systems. Journal of Lightwave Technology, 2016, 34, 2717-2723.	4.6	16
57	Analysis of chromatic dispersion compensation and carrier phase recovery in long-haul optical transmission system influenced by equalization enhanced phase noise. Optik, 2017, 138, 494-508.	2.9	16
58	Self-reconstruction of twisted Laguerre-Gaussian Schell-model beams partially blocked by an opaque obstacle. Optics Express, 2020, 28, 31510.	3.4	16
59	Direct Modulation and Free-Space Transmissions of up to 6 Gbps Multilevel Signals With a 4.65- μm Quantum Cascade Laser at Room Temperature. Journal of Lightwave Technology, 2022, 40, 2370-2377.	4.6	16
60	100 Gbaud 4PAM Link for High Speed Optical Interconnects. , 2017, , .		15
61	Coherence and anticohereence resonance in high-concentration erbium-doped fiber laser. Optics Letters, 2010, 35, 3736.	3.3	14
62	Analytical BER performance in differential n-PSK coherent transmission system influenced by equalization enhanced phase noise. Optics Communications, 2015, 334, 222-227.	2.1	14
63	Complete spatial coherence characterization of quasi-random laser emission from dye doped transparent wood. Optics Express, 2018, 26, 13474.	3.4	14
64	Nonlinearity Tolerant High-Speed DMT Transmission With 1.5- μm Single-Mode VCSEL and Multi-Core Fibers for Optical Interconnects. Journal of Lightwave Technology, 2019, 37, 380-388.	4.6	14
65	On the Effect of Modified Carbohydrates on the Size and Shape of Gold and Silver Nanostructures. Nanomaterials, 2020, 10, 1417.	4.1	14
66	Beyond 200 Gbps per Lane Intensity Modulation Direct Detection (IM/DD) Transmissions for Optical Interconnects: Challenges and Recent Developments. , 2019, , .		14
67	Photoluminescence from quasi-type-II spherical CdSe-CdS core-shell quantum dots. Applied Optics, 2013, 52, 105.	1.8	13
68	Influence of the short-range coordination order of erbium ions on excitation migration and upconversion in multicomponent glasses. Optics Letters, 2005, 30, 1258.	3.3	12
69	Laser Rate Equation-Based Filtering for Carrier Recovery in Characterization and Communication. Journal of Lightwave Technology, 2015, 33, 3271-3279.	4.6	12
70	Impact of apexes on the resonance shift in double hole nanocavities. Optics Express, 2010, 18, 193.	3.4	11
71	Virtually Isotropic Transmission Media With Fiber Raman Amplifier. IEEE Journal of Quantum Electronics, 2010, 46, 1492-1497.	1.9	10
72	Fast signal quality monitoring for coherent communications enabled by CNN-based EVM estimation. Journal of Optical Communications and Networking, 2021, 13, B12.	4.8	10

#	ARTICLE	IF	CITATIONS
73	Effect of transparent wood on the polarization degree of light. <i>Optics Letters</i> , 2019, 44, 2962.	3.3	10
74	Dimensioning BCH Codes for Coherent DQPSK Systems With Laser Phase Noise and Cycle Slips. <i>Journal of Lightwave Technology</i> , 2014, 32, 4048-4052.	4.6	9
75	Mitigation of EEPN in Coherent Optical Systems With Low-Speed Digital Coherence Enhancement. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1942-1945.	2.5	9
76	Non-Coherent Detection for Ultraviolet Communications With Inter-Symbol Interference. <i>Journal of Lightwave Technology</i> , 2020, 38, 4699-4707.	4.6	9
77	High-Dimensional Feature Based Non-Coherent Detection for Multi-Intensity Modulated Ultraviolet Communications. <i>Journal of Lightwave Technology</i> , 2022, 40, 1879-1887.	4.6	9
78	Lasing From Water Solution of Rhodamine 6G/Gold Nanoparticles: Impact of SiO_2 -Coating on Metal Surface. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 1220-1226.	1.9	8
79	Size Impact of Ordered P3HT Nanofibers on Optical Anisotropy. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1089-1095.	2.2	8
80	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. <i>IEEE Access</i> , 2020, 8, 78836-78846.	4.2	8
81	Short Reach Communication Technologies for Client-Side Optics Beyond 400 Gbps. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1046-1049.	2.5	8
82	Feedforward Neural Network-Based EVM Estimation: Impairment Tolerance in Coherent Optical Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-10.	2.9	8
83	Suppression of dynamic instabilities in erbium-doped fiber amplifiers with a combined gain control system. <i>Optics Letters</i> , 2002, 27, 1117.	3.3	7
84	Excitation back transfer in a statistical model for upconversion in Er-doped fibres. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 2, .	1.9	7
85	Blind Phase Search with Angular Quantization Noise Mitigation for Efficient Carrier Phase Recovery. <i>Photonics</i> , 2017, 4, 37.	2.0	7
86	Inkjet-printing of graphene saturable absorbers for $\sim 2 \mu\text{m}$ bulk and waveguide lasers. <i>Optical Materials Express</i> , 2018, 8, 2803.	3.0	7
87	1.55- μm EML-based DMT Transmission with Nonlinearity-Aware Time Domain Super-Nyquist Image Induced Aliasing. , 2017, , .		7
88	Polarization-dependent gain and gain fluctuations in a fiber Raman amplifier. <i>Journal of Optics</i> , 2007, 9, 1119-1122.	1.5	6
89	Mode suppression in a microcavity solid-state dye laser. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 2, .	1.9	6
90	Effective Linewidth of Semiconductor Lasers for Coherent Optical Data Links. <i>Photonics</i> , 2016, 3, 39.	2.0	6

#	ARTICLE	IF	CITATIONS
91	Air-Suspended SU-8 Strip Waveguides With High Refractive Index Contrast. IEEE Photonics Technology Letters, 2016, 28, 1862-1865.	2.5	6
92	25-Gb/s Transmission Over 2.5-km SSMF by Silicon MRR Enhanced 1.55- μm III-V/SOI DML. IEEE Photonics Technology Letters, 2017, 29, 960-963.	2.5	6
93	Light Propagation in Transparent Wood: Efficient Ray-Tracing Simulation and Retrieving an Effective Refractive Index of Wood Scaffold. Advanced Photonics Research, 2021, 2, 2100135.	3.6	6
94	Phase Noise Influence in Coherent Optical DnPSK Systems with DSP based Dispersion Compensation. Journal of Optical Communications, 2014, 35, .	4.7	5
95	Dynamic Manipulation of Optical Anisotropy of Suspended Polyhexylthiophene Nanofibers. Advanced Optical Materials, 2016, 4, 1651-1656.	7.3	5
96	Optical Power Budget of 25+ Gbps IM/DD PON with Digital Signal Post-Equalization. Applied Sciences (Switzerland), 2020, 10, 6106.	2.5	5
97	Kernel Affine Projection for Nonlinearity Tolerant Optical Short Reach Systems. IEEE Transactions on Communications, 2020, 68, 6403-6412.	7.8	5
98	Thermally induced wavelength tunability of microcavity solid-state dye lasers. Optics Express, 2007, 15, 12971.	3.4	4
99	Transmission resonances in periodic U-shaped metallic nanostructures. Optics Express, 2010, 18, 17719.	3.4	4
100	Phase Noise Influence in Coherent Optical OFDM Systems with RF Pilot Tone: Digital IFFT Multiplexing and FFT Demodulation. Journal of Optical Communications, 2012, 33, .	4.7	4
101	Phase Noise Influence in Long-range Coherent Optical OFDM Systems with Delay Detection, IFFT Multiplexing and FFT Demodulation. Journal of Optical Communications, 2012, 33, .	4.7	4
102	A path to use large linewidth LO in 28 Gbd 16-QAM metro links. , 2015, , .		4
103	Analytical Investigations on Carrier Phase Recovery in Dispersion-Unmanaged n-PSK Coherent Optical Communication Systems. Photonics, 2016, 3, 51.	2.0	4
104	Equalization Enhanced Phase Noise in Coherent Optical Systems with Digital Pre- and Post-Processing. Photonics, 2016, 3, 12.	2.0	4
105	Two-Stage n-PSK Partitioning Carrier Phase Recovery Scheme for Circular mQAM Coherent Optical Systems. Photonics, 2016, 3, 37.	2.0	4
106	Direct birefringence and transmission modulation via dynamic alignment of P3HT nanofibers in an advanced opto-fluidic component. Optical Materials Express, 2017, 7, 52.	3.0	4
107	Thermal Reflow Engineered Cylindrical Polymer Waveguides for Optical Interconnects. IEEE Photonics Technology Letters, 2018, 30, 447-450.	2.5	4
108	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. IEEE Photonics Technology Letters, 2018, 30, 1687-1690.	2.5	4

#	ARTICLE	IF	CITATIONS
109	Phase Noise Cancellation in Coherent Communication Systems Using a Radio Frequency Pilot Tone. Applied Sciences (Switzerland), 2019, 9, 4717.	2.5	4
110	Experimental validation of CNNs versus FFNNs for time- and energy-efficient EVM estimation in coherent optical systems. Journal of Optical Communications and Networking, 2021, 13, E63.	4.8	4
111	MCF-Enabled Self-Homodyne 16/64QAM Transmission for SDM Optical Access Networks. , 2018, , .		4
112	Gb/s LWIR FSO Transmission at 9.6 μm using a Directly-Modulated Quantum Cascade Laser and an Uncooled Quantum Cascade Detector. , 2022, , .		4
113	Error-rate Floors in Differential n-level Phase-shift-keying Coherent Receivers employing Electronic Dispersion Equalisation. Journal of Optical Communications, 2011, 32, .	4.7	3
114	Interleavers and BCH Codes for Coherent DQPSK Systems With Laser Phase Noise. IEEE Photonics Technology Letters, 2015, 27, 685-688.	2.5	3
115	Adaptive Boundaries Scheme for Cycle-Slip Mitigation in C-mQAM Coherent Systems. IEEE Photonics Technology Letters, 2015, 27, 2154-2157.	2.5	3
116	Analytical estimation in differential optical transmission systems influenced by equalization enhanced phase noise. , 2016, , .		3
117	Digital Adaptive Carrier Phase Estimation in Multi-level Phase Shift Keying Coherent Optical Communication Systems. , 2016, , .		3
118	100 Gbaud On-Off Keying/Pulse Amplitude Modulation Links in C-Band for Short-Reach Optical Interconnects. Applied Sciences (Switzerland), 2021, 11, 4284.	2.5	3
119	High Phase Noise Tolerant Circular-64QAM with Efficient Phase Recovery for Coherent Optical Systems. , 2017, , .		3
120	Design of Coherent Optical Systems Impaired by EEPN. , 2016, , .		3
121	Up to 6 Gbps Mid-Infrared Free-Space Transmission with a Directly Modulated Quantum Cascade Laser. , 2021, , .		3
122	Laser Linewidth Tolerant EVM Estimation Approach for Intelligent Signal Quality Monitoring Relying on Feedforward Neural Networks. , 2021, , .		3
123	Phase noise mitigation in coherent transmission system using a pilot carrier. Proceedings of SPIE, 2011, , .	0.8	2
124	Close-form expression of one-tap normalized LMS carrier phase recovery in optical communication systems. , 2016, , .		2
125	Generation of nearly 3D-unpolarized evanescent optical near fields using total internal reflection. Optics Letters, 2016, 41, 2942.	3.3	2
126	Stochastic phenomena in a fiber Raman amplifier. Annalen Der Physik, 2017, 529, 1600238.	2.4	2

#	ARTICLE	IF	CITATIONS
127	Spatial division multiplexing for optical data center networks. , 2018, , .		2
128	Multi-channel collision-free reception for optical interconnects. Optics Express, 2018, 26, 13214.	3.4	2
129	Deep Learning Assisted Pre-Carrier Phase Recovery EVM Estimation for Coherent Transmission Systems. , 2021, , .		2
130	Quasi Real-Time 230-Gbit/s Coherent Transmission Field Trial over 820 km SSMF Using 57.5-Gbaud Dual-Polarization QPSK. , 2013, , .		2
131	Mitigation of EEPN in Long-Haul n-PSK Coherent Transmission System Using Modified Optical Pilot Carrier. , 2013, , .		2
132	Performance Evaluation of PAM and DMT for Short-range Optical Transmission with High Speed InGaAsP DFB-TWEAM. , 2016, , .		2
133	Reconfigurable frequency coding of triggered single photons in the telecom Câ€™band. Optics Express, 2019, 27, 14400.	3.4	2
134	Phase noise tolerant carrier recovery scheme for 28 Gbaud circular 16QAM. , 2015, , .		1
135	Digital signal processing approaches for semiconductor phase noise tolerant coherent transmission systems. Proceedings of SPIE, 2015, , .	0.8	1
136	Carrier phase estimation in dispersion-unmanaged optical transmission systems. , 2017, , .		1
137	Fiber Raman Amplifiers with Suppressed Polarization Impairments. , 2009, , .		1
138	Optimization of optical gain in composite materials containing Rh6G dye and gold nanoparticles. , 2015, , .		1
139	Overcoming EEPN in Coherent Transmission Systems. , 2016, , .		1
140	300+ Gbps Short-Reach Optical Communications. , 2020, , .		1
141	DISTORTION TOLERANCE AGAINST GEOMETRY IMPERFECTIONS IN POLYMERIC MICROCAVITY DYE LASER. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 367-375.	1.8	0
142	Spun Fiber Raman Amplifiers. , 2008, , .		0
143	External field enhancement in coupled polymer microcavities - New options for integrated photonic components. , 2009, , .		0
144	Modeling of terahertz near-field imaging: Rigorous simulation and antenna approach. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
145	Two section fibre approach to suppression of polarization dependent gain in low PMD distributed fibre Raman amplifier. , 2009, , .		0
146	Pump-to-Signal Intensity Noise Transfer as the Mechanism of Self-Pulsing in Erbium Doped Fiber Laser. , 2009, , .		0
147	Efficiency enhancement in a microcavity solid-state dye laser with Bragg grating reflectors. Open Physics, 2010, 8, .	1.7	0
148	Upconversion assisted self-pulsing in a high-concentration erbium doped fibre laser. Open Physics, 2010, 8, .	1.7	0
149	Raman amplification with reduced polarization impairments in the fibre with tailored spin profile. Open Physics, 2010, 8, .	1.7	0
150	Spatial light modulator as a reconfigurable intracavity dispersive element for tunable lasers. Open Physics, 2010, 8, .	1.7	0
151	Physical reason behind far-field transmission resonances from U-shaped metallic structures. , 2010, , .		0
152	Refractive index sensor performance based on enhanced transmission of light through perforated metallic films. , 2010, , .		0
153	External near-field resonance in coupled microcavities: mode enhancement and applications. , 2010, , .		0
154	Two-section fiber optic Raman polarizer for high-speed transmission systems. , 2011, , .		0
155	100Gb/s RZ-OOK transmission through 212km deployed SSMF using monolithically integrated ETDM receiver module. Optics Communications, 2011, 284, 782-786.	2.1	0
156	Linear birefringence in split-ring resonators. Optics Letters, 2012, 37, 2043.	3.3	0
157	Receiver Sensitivity in Optical and Microwave, Heterodyne and Homodyne Systems. Journal of Optical Communications, 2014, 35, .	4.7	0
158	Low-complexity BCH codes with optimized interleavers for DQPSK systems with laser phase noise. Photonic Network Communications, 2017, 33, 328-333.	2.7	0
159	BCH Codes for Coherent Star DQAM Systems with Laser Phase Noise. Journal of Optical Communications, 2017, 38, .	4.7	0
160	Experimental Evaluation of Impairments in Unrepeated DP-16QAM Link with Distributed Raman Amplification. Photonics, 2017, 4, 16.	2.0	0
161	Towards 25+Gbps IM-DD PON: NRZ, Duobinary, PAM4, and DMT Transmission and Optical Budget Comparison. , 2019, , .		0
162	Upconversion Assisted Auto-Oscillations in Erbium Doped Fiber Laser. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
163	Double nanoholes in a metal film as refractive index sensors. , 2010, , .		0
164	Key technologies to enable terabit-scale digital radio-over-fiber systems. , 2019, , .		0