

Moustafa H Aly

List of Publications by Year in descending order

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185
papers

1,564
citations

361045

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h-index

476904

29
g-index

188
all docs

188
docs citations

188
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning in mammography images segmentation and classification: Automated CNN approach. AEJ - Alexandria Engineering Journal, 2021, 60, 4701-4709.	3.4	110
2	Optical PTFT Asymmetric Cryptosystem-Based Secure and Efficient Cancelable Biometric Recognition System. IEEE Access, 2020, 8, 221246-221268.	2.6	58
3	Few-mode ring core fiber characteristics: temperature impact. Photonic Network Communications, 2019, 37, 131-138.	1.4	50
4	A comparative study of the performance of graded index perfluorinated plastic and alumino silicate optical fibers in internal optical interconnections. Optik, 2016, 127, 9259-9263.	1.4	48
5	Evaluation and performance enhancement for accurate FBG temperature sensor measurement with different apodization profiles in single and quasi-distributed DWDM systems. Optics and Lasers in Engineering, 2014, 55, 22-34.	2.0	42
6	Performance optimization of apodized FBG-based temperature sensors in single and quasi-distributed DWDM systems with new and different apodization profiles. AIP Advances, 2013, 3, .	0.6	40
7	120 Gbps SAC-OCDMA-OAM-based FSO transmission system: Performance evaluation under different weather conditions. AEJ - Alexandria Engineering Journal, 2022, 61, 10407-10418.	3.4	34
8	Design and performance evaluation of a dispersion compensation unit using several chirping functions in a tanh apodized FBG and comparison with dispersion compensation fiber. Applied Optics, 2014, 53, H239.	0.9	31
9	Enhanced Spectral Amplitude Coding OCDMA System Utilizing a Single Photodiode Detection. Applied Sciences (Switzerland), 2018, 8, 1861.	1.3	30
10	An enhanced WDM optical communication system using a cascaded fiber Bragg grating. Optical and Quantum Electronics, 2020, 52, 1.	1.5	30
11	Millimeter-wave hybrid OFDM-MDM radio over free space optical transceiver for 5G services in desert environment. AEJ - Alexandria Engineering Journal, 2021, 60, 4275-4285.	3.4	29
12	A long-haul 100 Gbps hybrid PDM/CO-OFDM FSO transmission system: Impact of climate conditions and atmospheric turbulence. AEJ - Alexandria Engineering Journal, 2021, 60, 785-794.	3.4	28
13	Optimizing Remote Photoplethysmography Using Adaptive Skin Segmentation for Real-Time Heart Rate Monitoring. IEEE Access, 2019, 7, 76513-76528.	2.6	27
14	A hybrid DCF/FBG scheme for dispersion compensation over a 300Åkm SMF. Optical and Quantum Electronics, 2019, 51, 1.	1.5	27
15	Improved VLC-based indoor positioning system using a regression approach with conventional RSS techniques. , 2017, , .		23
16	SAC-OCDMA-FSO communication system under different weather conditions: performance enhancement. Optical and Quantum Electronics, 2021, 53, 1.	1.5	23
17	Exploring the performance of indoor localization systems based on VLC-RSSI, including the effect of NLOS components using two light-emitting diode lighting systems. Optical Engineering, 2015, 54, 105110.	0.5	22
18	Free space optical communications system performance under atmospheric scattering and turbulence for 850 and 1550Ånm operation. Applied Optics, 2016, 55, 7276.	2.1	22

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19	MDW and EDW/DDW codes with AND subtraction/single photodiode detection for high performance hybrid SAC-OCDMA/OFDM system. Optical and Quantum Electronics, 2020, 52, 1.	1.5	22
20	Performance analysis of multiple NLOS UV communication cooperative relays over turbulent channels. Optics Express, 2018, 26, 19972.	1.7	21
21	Outdoor Visible Light Communication in Intelligent Transportation Systems: Impact of Snow and Rain. Applied Sciences (Switzerland), 2019, 9, 5453.	1.3	21
22	Performance Evaluation and Enhancement of 2 \times 2 Ti: LiNbO ₃ Mach Zehnder Interferometer Switch at 1.3 μ m and 1.55 μ m. Open Electrical and Electronic Engineering Journal, 2012, 6, 36-49.	0.6	21
23	Adaptive free space optic system based on visibility detector to overcome atmospheric attenuation. Results in Physics, 2019, 14, 102392.	2.0	20
24	Performance characteristics of dual-pumped hybrid EDFA/Raman optical amplifier. Applied Optics, 2016, 55, 22.	2.1	19
25	Apodized chirped fiber Bragg grating for postdispersion compensation in wavelength division multiplexing optical networks. International Journal of Communication Systems, 2020, 33, e4551.	1.6	19
26	Spectral width reduction using apodized cascaded fiber Bragg grating for post-dispersion compensation in WDM optical networks. Photonic Network Communications, 2021, 41, 231-241.	1.4	19
27	Novel breast cancer classification framework based on deep learning. IET Image Processing, 2020, 14, 3254-3259.	1.4	18
28	Analysis and design of an electro-optic 2 \times 2 switch using Ti: KNbO ₃ as a waveguide based on MZI at 1.3 μ m. Optical and Quantum Electronics, 2014, 46, 295-304.	1.5	17
29	A Comprehensive Study on EDFA Characteristics: Temperature Impact. Applied Sciences (Switzerland), 2018, 8, 1640.	1.3	17
30	A high-speed radio over free space optics transmission link under dust environment conditions employing hybrid wavelength- and mode-division multiplexing. Wireless Networks, 2021, 27, 4875-4888.	2.0	17
31	On the performance of adaptive hybrid MQAM-MPPM scheme over Nakagami and log-normal dynamic visible light communication channels. Applied Optics, 2020, 59, 1896.	0.9	17
32	Performance analysis of 6–10 Gbps PDM-SAC-OCDMA-based FSO transmission using EDW codes with SPD detection. Optik, 2022, 264, 169415.	1.4	17
33	BER performance of M-ary PPM free-space optical communications with channel fading. , 2011, , .		16
34	Performance analysis of FSO communication system: Effects of fog, rain and humidity. , 2016, , .		16
35	Optical logic gates based on semiconductor optical amplifier Mach-Zehnder interferometer: design and simulation. Optical Engineering, 2016, 55, 025104.	0.5	16
36	A comparative analysis of localization algorithms for visible light communication. Optical and Quantum Electronics, 2021, 53, 1.	1.5	16

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37	Bandwidth and BER Improvement Employing a Pre-Equalization Circuit with White LED Arrays in a MISO VLC System. Applied Sciences (Switzerland), 2019, 9, 986.	1.3	15
38	NLoS underwater VLC system performance: static and dynamic channel modeling. Applied Optics, 2019, 58, 8272.	0.9	15
39	FWM Reduction Using Different Modulation Techniques and Optical Filters in DWDM Optical Communication Systems: A Comparative Study. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 479-488.	1.5	14
40	Reliable FSO system performance matching multi-level customer needs in Alexandria City, Egypt, climate: sandstorm impact with pointing error. Optical and Quantum Electronics, 2020, 52, 1.	1.5	14
41	Framework for COVID-19 segmentation and classification based on deep learning of computed tomography lung images. Journal of Electronic Science and Technology, 2022, 20, 100161.	2.0	14
42	Effect of different weather conditions on BER performance of single-channel free space optical links. Optik, 2017, 137, 291-297.	1.4	13
43	Improved light uniformity and SNR employing new LED distribution pattern for indoor applications in VLC system. Optical and Quantum Electronics, 2018, 50, 1.	1.5	12
44	An efficient SAC-OCDMA system using three different codes with two different detection techniques for maximum allowable users. Optical and Quantum Electronics, 2019, 51, 1.	1.5	11
45	Relay Selection Schemes for FSO Communications over Turbulent Channels. Applied Sciences (Switzerland), 2019, 9, 1281.	1.3	11
46	SPM and XPM crosstalk in WDM systems with DRA: Channel spacing and attenuation effects. Optics Communications, 2018, 417, 79-82.	1.0	10
47	Performance Evaluation of an Adaptive Hybrid FSO/RF Communication System: Impact of Weather Attenuation. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 119-128.	1.5	10
48	SMF/FSO integrated dual-rate reliable and energy efficient WDM optical access network for smart and urban communities. Optical and Quantum Electronics, 2021, 53, 625.	1.5	10
49	Bandwidth extension of an enhanced SNR with a higher light uniformity of a phosphorescent white LED based visible light communication system. , 2016, , .		9
50	Symmetrical and post dispersion compensation in WDM optical communication systems. Optical and Quantum Electronics, 2021, 53, 1.	1.5	9
51	Effect of absorber layer bandgap of CIGS-based solar cell with (CdS/ZnS) buffer layer. Journal of Physics: Conference Series, 2021, 2128, 012009.	0.3	9
52	A generalized framework for lung Cancer classification based on deep generative models. Multimedia Tools and Applications, 2022, 81, 32705-32722.	2.6	9
53	Cell Wall Degrading Enzymes Produced during Pathogenesis of Macrophomina phaseolina on Strawberry Plants. Journal of Phytopathology, 1981, 100, 36-43.	0.5	8
54	Smartphones for Payments and Withdrawals Utilizing Embedded LED Flashlight for High Speed Data Transmission. , 2013, , .		8

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55	Second harmonic generation in thin optical fibers via cladding modes. Optics Express, 2016, 24, 11435.	1.7	8
56	Time Coding OTDM MIMO System Based on Singular Value Decomposition for 5G Applications. Applied Sciences (Switzerland), 2019, 9, 2691.	1.3	8
57	Optimized CIGS based solar cell towards an efficient solar cell: impact of layers thickness and doping. Optical and Quantum Electronics, 2021, 53, 1.	1.5	8
58	Exploring the effect of LED nonlinearity on the performance of layered ACO-OFDM. Applied Optics, 2020, 59, 7343.	0.9	8
59	Sensitivity improvement of reflective tilted FBGs. Applied Optics, 2016, 55, 3306.	0.9	7
60	Cerebral Artery Vasospasm Detection Using Transcranial Doppler Signal Analysis. Journal of Ultrasound in Medicine, 2019, 38, 2191-2202.	0.8	7
61	A few mode EDFA with different pumping schemes: performance evaluation. Optical and Quantum Electronics, 2020, 52, 1.	1.5	7
62	FWM Mitigation in DWDM Optical Networks. Journal of Physics: Conference Series, 2020, 1447, 012033.	0.3	7
63	Prostate cancer detection based on deep convolutional neural networks and support vector machines: A novel concern level analysis. Multimedia Tools and Applications, 2021, 80, 24995.	2.6	7
64	Deep learning design for benign and malignant classification of skin lesions: a new approach. Multimedia Tools and Applications, 2021, 80, 26795-26811.	2.6	7
65	LED nonlinearity mitigation in LACO-OFDM optical communications based on adaptive predistortion and postdistortion techniques. Applied Optics, 2021, 60, 7279.	0.9	7
66	Statistical Studies Using Goodness-of-Fit Techniques With Dynamic Underwater Visible Light Communication Channel Modeling. IEEE Access, 2021, 9, 57716-57725.	2.6	7
67	Performance Analysis and Simulation of c-Si/SiGe Based Solar Cell. IEEE Access, 2021, 9, 75283-75292.	2.6	7
68	Duobinary modulation format and unequal channel spacing integration to suppress four-wave mixing crosstalk in WDM systems. , 2011, , .		6
69	Indoor wireless optical communication systems: effect of ambient noise. Optical Engineering, 2014, 53, 055109.	0.5	6
70	Amendment performance of an apodized tilted fiber Bragg grating for a quasi-distributed-based sensor. Applied Optics, 2017, 56, 5480.	0.9	6
71	Image encryption and watermarking combined dynamic chaotic hopping pattern with double random phase encoding DRPE. Optical and Quantum Electronics, 2019, 51, 1.	1.5	6
72	A Generalized Spatial Modulation System Using Massive MIMO Space Time Coding Antenna Grouping. Entropy, 2020, 22, 1350.	1.1	6

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73	Improvement of Radio Frequency Identification Security Using New Hybrid Advanced Encryption Standard Substitution Box by Chaotic Maps. Electronics (Switzerland), 2020, 9, 1168.	1.8	6
74	Dispersion compensation analysis of optical fiber link using cascaded apodized FBGs hybrid with maximum time division multiplexing transmission technique. Optical and Quantum Electronics, 2021, 53, 1.	1.5	6
75	Apodized distributed feedback fiber laser as an optical filter. Journal of Modern Optics, 2013, 60, 1701-1712.	0.6	5
76	New trend for optical signal-to-noise ratio of disturbed Raman fiber amplifier. Optik, 2014, 125, 2572-2576.	1.4	5
77	Smartphone payment via flashlight: Utilizing the built-in flashlight of smartphones as replacement for magnetic cards. Optik, 2016, 127, 2453-2460.	1.4	5
78	The Resonant Tunneling Diode characterization for high frequency communication systems. Microelectronics Journal, 2018, 75, 1-14.	1.1	5
79	Blind Detection for Serial Relays in Free Space Optical Communication Systems. Applied Sciences (Switzerland), 2018, 8, 2074.	1.3	5
80	An efficient hybrid visible light communication/radio frequency system for vehicular applications. Optical and Quantum Electronics, 2019, 51, 1.	1.5	5
81	Solar cell performance enhancement with optimized CIGS absorber bandgap and buffer layer. Journal of Physics: Conference Series, 2020, 1447, 012057.	0.3	5
82	Dispersion compensation in silica doped fiber using soliton transmission technique over cascaded FBG. Optical and Quantum Electronics, 2021, 53, 1.	1.5	5
83	A New Hybrid Prime Code for OCDMA Network Multimedia Applications. Electronics (Switzerland), 2021, 10, 2705.	1.8	5
84	A Cancelable Biometric Security Framework Based on RNA Encryption and Genetic Algorithms. IEEE Access, 2022, 10, 55933-55957.	2.6	5
85	A reduced power budget and enhanced performance in a wdm system: a new fbg apodization function. Optical and Quantum Electronics, 2022, 54, .	1.5	5
86	Analysis of Different Fiber Bragg Gratings for Use in a Multi-wavelength Erbium Doped Fiber Laser. , 2007, , .		4
87	Magnetically tunable fiber Bragg grating supported by guiding mechanism system. , 2010, , .		4
88	A wide range tunable fiber Bragg grating using fast changeable electromagnetic force. , 2010, , .		4
89	Probability of error performance of free space optical systems in severe atmospheric turbulence channels. , 2010, , .		4
90	Error performance of free space optical MIMO systems in weak, moderate, and severe atmospheric turbulence channels. , 2011, , .		4

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91	Multiple Routing Configurations for Datacenter Disaster Recovery Applicability and Challenges. , 2014, , .		4
92	Employing smartphones Xenon flashlight for mobile payment. , 2014, , .		4
93	Irradiance scintillation index on slant atmospheric turbulence: simple approach. Optical Engineering, 2016, 55, 056113.	0.5	4
94	DBPSK and DQPSK crosstalk in single-span WDM systems using DRA. Applied Optics, 2017, 56, 5583.	0.9	4
95	FWM in DCF based four-input all-optical NOR/AND gate. Optical and Quantum Electronics, 2018, 50, 1.	1.5	4
96	Power distribution and BER in indoor VLC with PPM based modulation schemes: a comparative study. Optical and Quantum Electronics, 2019, 51, 1.	1.5	4
97	Gaussian beam scintillation index for slant path in weak turbulence: closed form expressions. Optical and Quantum Electronics, 2019, 51, 1.	1.5	4
98	Noise figure of distributed Raman amplifier with different pumping configurations in S-band: A new approach. AEJ - Alexandria Engineering Journal, 2020, 59, 4329-4334.	3.4	4
99	Interactive internet of things based on dark light system for smart room. Optical and Quantum Electronics, 2020, 52, 1.	1.5	4
100	Enhanced ADO-OFDM-based adaptive digital dimming VLC system. Optics Letters, 2022, 47, 2133.	1.7	4
101	Enhanced feature selection method based on regularization and kernel trick for 5G applications and beyond. AEJ - Alexandria Engineering Journal, 2022, 61, 11589-11600.	3.4	4
102	A cascaded FBG scheme based OQPSK/DPSK modulation for chromatic dispersion compensation. Optical and Quantum Electronics, 2022, 54, .	1.5	4
103	On the soliton transmission in nonlinear inhomogeneous graded-refractive index media. IEEE Transactions on Instrumentation and Measurement, 1987, IM-36, 543-546.	2.4	3
104	Precise analysis of optical OFDM system in direct and diffused optical wireless environment. , 2008, , .		3
105	High speed data transmission over a visible light link employing smartphones Xenon flashlight as a replacement of magnetic cards. , 2013, , .		3
106	Modified asymmetrically-clipped optical orthogonal frequency-division multiplexing system performance. , 2013, , .		3
107	A simple approach to extract the small signal model circuit elements for RTD. , 2014, , .		3
108	Performance analysis of modified Asymmetrically-Clipped Optical Orthogonal Frequency-Division Multiplexing systems. Optics Communications, 2016, 380, 61-68.	1.0	3

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109	Evaluation and optimization of TWDM-PON system capacity over single bidirectional optical fiber: Migration promising solution for the next generation PONs. , 2019, , .		3
110	A new hybrid FBG with a λ -shift for temperature sensing in overhead high voltage transmission lines. Optical and Quantum Electronics, 2020, 52, 1.	1.5	3
111	20-Gb/s Transmission Over 25-km in Wavelength Division Multiplexing Passive Optical Network with Centralized Light Source. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 242-246.	0.1	3
112	A Simplified Analytical Technique for High Frequency Characterization of Resonant Tunneling Diode. Advances in Electrical and Computer Engineering, 2014, 14, 87-94.	0.5	3
113	SISO and MIMO FSO based links under different weather conditions: system evaluation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	3
114	Strain sensing in underwater acoustics with a hybrid λ -shifted FBG and different interrogation methods. Optical and Quantum Electronics, 2022, 54, 1.	1.5	3
115	Enhanced bit error rate in visible light communication: a new LED hexagonal array distribution. Optical and Quantum Electronics, 2022, 54, .	1.5	3
116	A theoretical approach to determination of the thermal diffusivity of solids by using a periodic heating technique. Journal of Thermal Analysis, 1991, 37, 983-992.	0.7	2
117	Raman Gain and Raman Gain Coefficient for SiO ₂ , GeO ₂ , B ₂ O ₃ and P ₂ O ₅ Glasses. , 2007, , .		2
118	Optical orthogonal frequency division multiplexing for high speed wireless optical communications. , 2008, , .		2
119	Optical parameters and link delay dependent routing metric for OBS networks. , 2009, , .		2
120	Tunable optical buffer using a fiber Bragg grating array and a widely tunable wavelength converter. , 2009, , .		2
121	Error rate performance of pulse position modulation schemes for indoor wireless optical communication. , 2009, , .		2
122	Optimised non-uniform biasing technique for a high-speed optical router to achieve uniform semiconductor optical amplifier gain. IET Communications, 2012, 6, 484.	1.5	2
123	The impact of varying the detector and modulation types on inter satellite link (ISL) realizing the allowable high data rate. , 2013, , .		2
124	Two approaches for the modified asymmetrically clipped optical orthogonal frequency division multiplexing system. , 2013, , .		2
125	Dropping probability reduction in OBS networks: A simple approach. Optik, 2016, 127, 9947-9960.	1.4	2
126	Performance Enhancement of Bidirectional TWDM-PON by Rayleigh Backscattering Mitigation. Journal of Physics: Conference Series, 2018, 961, 012006.	0.3	2

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127	Solution of dispersion relations of multilayer optical fibers: a comprehensive study. Applied Optics, 2018, 57, 3788.	0.9	2
128	Plasmonic Enhancement to Second-Order Nonlinearity in Optical Fibers. Journal of Lightwave Technology, 2018, 36, 4834-4842.	2.7	2
129	A Coherent Performance for Noncoherent Wireless Systems Using AdaBoost Technique. Applied Sciences (Switzerland), 2019, 9, 256.	1.3	2
130	EDFA gain flattening using fiber Bragg gratings employing different host materials. Optical and Quantum Electronics, 2020, 52, 1.	1.5	2
131	Plane wave scintillation index in slant path atmospheric turbulence: closed form expressions for uplink and downlink. Optical and Quantum Electronics, 2020, 52, 1.	1.5	2
132	On-Board and Train-to-Wayside Free Space Optical Link: Design and Characterization. Journal of Physics: Conference Series, 2020, 1447, 012030.	0.3	2
133	FBG performance enhancement for sensing and EDFA gain flattening applications. Journal of Computational Electronics, 2021, 20, 745-757.	1.3	2
134	Indoor Wavelet OFDM VLC-MIMO System: Performance Evaluation. Symmetry, 2021, 13, 270.	1.1	2
135	Pedestal Free Pulse Source for Ultrahigh Data Rate Optical Time Division Multiplexing Systems Self-Phase Modulation Based. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 505-511.	0.1	2
136	Performance analysis of serial relay orbital satellite optical communication over turbulent channels. Optics Letters, 2022, 47, 2887.	1.7	2
137	Noise figure and gain coefficient of doped fiber amplifiers for different host materials. , 0, , .		1
138	Compensation of Bragg Wavelength Shift under Sea Level Using a Nonlinear FBG. , 2006, , .		1
139	Four-Wave Mixing Crosstalk in DWDM Optical Fiber Systems. , 2006, , .		1
140	Eliminating dispersion and ISI in optical wireless environment using optical DFT OFDM system. , 2008, , .		1
141	Introducing triangular lattices to dynamic photonic crystal structures for optical storage and processing. , 2009, , .		1
142	SOA gain uniformity improvement employing a non-uniform biasing technique for ultra-high speed optical routers. , 2010, , .		1
143	Impact of signalwavelength on the semiconductor opticalamplifier gain uniformity for high speed optical routers employing the segmentation model. , 2010, , .		1
144	New trends towards speedy IR-UWB techniques. , 2011, , .		1

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145	Performance with application to folded cascode of a near-ballistic limit carbon nano transistor (CNT) circuits. , 2012, , .		1
146	Impact of amplified spontaneous emission on the travelling wave semiconductor optical amplifier performance. , 2013, , .		1
147	A Novel Frame Synchronization Scheme Via Wavelet Packet Transform for OFDM systems. , 2013, , .		1
148	Fundamentals of designing cylindrical high-order transformation optics invisibility cloaks using silver-silica metamaterials. Applied Physics A: Materials Science and Processing, 2014, 115, 531-539.	1.1	1
149	Efficient apodized-TFBC for DWDM systems. , 2016, , .		1
150	Adaptive data burst assembly in OBS networks. , 2016, , .		1
151	Android smartphones network implementation in the absence of internet. Computer Applications in Engineering Education, 2018, 26, 938-946.	2.2	1
152	On the Performance of Few-Mode EDFAs with Bidirectional Pumping. , 2016, , .		1
153	Simple and highly accurate indoor visible light positioning system: regression- and interpolation-based approaches. Optical Engineering, 2019, 58, 1.	0.5	1
154	Random DFB-FL using apodized FBG and DFB-FL optical filters: a numerical performance evaluation. Optical and Quantum Electronics, 2022, 54, 1.	1.5	1
155	Non-orthogonal multiple access system based on time diversity for 5G applications. Optical and Quantum Electronics, 2022, 54, .	1.5	1
156	Near Field and Propagation Constant of Nonlinear Single-mode Optical Fibers: A Simple Numerical Technique. Journal of Optical Communications, 1998, 19, .	4.0	0
157	Microbending Loss and Stresses Induced by both Temperature Variation and Axial Strain in Multi-coated Optical Fibers. Journal of Optical Communications, 1998, 19, .	4.0	0
158	Transmission Characteristics of Single-mode Graded Index Fibers Based on Spot Size Calculations. Journal of Optical Communications, 1998, 19, .	4.0	0
159	Chromatic Dispersion Characteristics of Single-mode Optical Fibers with Kerr-Type Nonlinearity. Journal of Optical Communications, 1999, 20, .	4.0	0
160	Optimization of self-trapping and thermal effects in W-shaped optical fibers. , 0, , .		0
161	EDFA Gain Dynamics Using Different Concentration Profiles. , 2006, , .		0
162	SOA Output Characteristics: Effect of Amplifier Length and Injected Carrier Density. , 2006, , .		0

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163	Design of Dispersion Compensating Fibers Operated at Higher Order Modes. , 2006, , .		0
164	All Optical Broad-Band Multi-Raman Amplifier for Long-Haul UW-WDM Optical Communication Systems. , 2007, , .		0
165	Characterization of the semiconductor optical amplifier for amplification and photonic switching employing the segmentation model. , 2008, , .		0
166	Dispersion compensation using linearly chirped polymer fiber Bragg grating. , 2008, , .		0
167	Improved mode localization in triangular lattices: Light manipulation using dynamic photonic crystals. , 2009, , .		0
168	Nonadiabatic amplification of train of solitons in EDFA. , 2009, , .		0
169	Optical frequency multiplication for up-converting frequencies of RF signals for radio over fiber applications. , 2009, , .		0
170	Optimization of triangular lattice defect in dynamic photonic crystal structures for optical storage and processing. , 2009, , .		0
171	Parametric study of the multibeam transmitter and fly-eye receiver. , 2010, , .		0
172	AFBG for dispersion compensation in transmission: effect of parameters of the two beam interference fringe technique. , 2010, , .		0
173	Innovative architecture of switching device for expanding the applications in fiber to the home (FTTH). , 2011, , .		0
174	Asymmetric modified optical cross add drop multiplexer to eliminate crosstalk. Proceedings of SPIE, 2011, , .	0.8	0
175	A free space optical link in a laboratory environment. , 2015, , .		0
176	Numerical characterization of InP-based quantum dot semiconductor optical amplifier. Applied Optics, 2016, 55, 9978.	2.1	0
177	ASE Noise in Raman Amplifiers: Pump Depletion Impact. Radioengineering, 2018, 27, 22-28.	0.3	0
178	Noble Metal Structures: Photo-Thermal Properties Enhancement. , 2021, , .		0
179	Dark light visible light communication positioning system with received signal strength technique. Optical and Quantum Electronics, 2021, 53, 1.	1.5	0
180	Enhanced three-lane vehicle visible light communication system. Optical and Quantum Electronics, 2021, 53, 1.	1.5	0

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181	Dispersion Compensation in Metropolitan Networks Using Chirped Light Sources. , 2006, , .		0
182	Bandwidth compression in triangular lattice based dynamic photonic crystals structures. , 2009, , .		0
183	Performance evaluation and enhancement of dense wavelength division multiplexing passive optical network DWDM-PON cross-seeding system with Rayleigh backscattering mitigation. , 2020, , .		0
184	Reliable TWDM Optical Network Architecture With Multilevel Fault Correction Capability. , 2022, , .		0
185	ML Based Risk Analysis and Route Prediction for Optical Fibre Link Network. , 2022, , .		0