

# Signal Processing Criteria Based on Electro-Optic Filter Transceiver Systems

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Citation Report

#	ARTICLE	IF	CITATIONS
1	In line and post erbium-doped fiber amplifiers with ideal dispersion compensation fiber Bragg grating for upgrading optical access networks. Journal of Optical Communications, 2020, .	4.0	54
2	High-speed fiber system capacity with bidirectional Er-Yb CDFs based on differential phase shift keying (DPSK) modulation technique. Journal of Optical Communications, 2021, .	4.0	54
3	Gain/noise figure spectra of average power model Raman optical amplifiers in coarse wavelength multiplexed systems. Journal of Optical Communications, 2021, .	4.0	58
4	Chirped Gaussian pulse propagation with various data rates transmission in the presence of group velocity dispersion (GVD). Journal of Optical Communications, 2021, .	4.0	50
5	Dispersion compensation FBG with optical quadrature phase shift keying (OQPSK) modulation scheme for high system capacity. Journal of Optical Communications, 2021, .	4.0	48
6	Free space and wired optics communication systems performance improvement for short-range applications with the signal power optimization. Journal of Optical Communications, 2022, .	4.0	50
7	High data rates in optic fiber systems based on the gain optimization techniques. Journal of Optical Communications, 2021, .	4.0	47
8	Wide band fiber systems and long transmission applications based on optimum optical fiber amplifiers lengths. Journal of Optical Communications, 2020, .	4.0	44
9	Optical switches based semiconductor optical amplifiers (SOAs) for performance characteristics enhancement by using various electrical pulse generators. Journal of Optical Communications, 2021, .	4.0	41
10	GaAs electro-optic absorption modulators performance evaluation, under high-temperature variations. Journal of Optical Communications, 2021, .	4.0	40
11	Technical specifications and spectral performance characteristics of dispersion flattened fiber (DFF) in optical fiber systems. Journal of Optical Communications, 2022, .	4.0	39
12	Integrated role between VCSEL diodes and Gaussian pulse generators with ideal EDFA for self phase modulation instability management. Journal of Optical Communications, 2021, .	4.0	40
13	Free space optics communication channel with amplitude/frequency shift keying modulation technique based raised cosine line coding. Journal of Optical Communications, 2021, .	4.0	41
14	ROF systems performance efficiency based on continuous phase frequency shift keying phase modulation scheme. Journal of Optical Communications, 2021, .	4.0	45
15	CWDM communication system based inline erbium-doped fiber amplifiers with the linear geometrical polarization model. Journal of Optical Communications, 2021, .	4.0	42
16	Simulative study of raised cosine impulse function with Hamming grating profile based Chirp Bragg grating fiber. Journal of Optical Communications, 2024, 44, s657-s667.	4.0	41
17	Differential coding scheme based FSO channel for optical coherent DP-16 QAM transceiver systems. Journal of Optical Communications, 2021, .	4.0	41
18	Wavelength division multiplexing techniques based on multi transceiver in low earth orbit intersatellite systems. Journal of Optical Communications, 2024, 45, 125-135.	4.0	86

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19	Fabry Perot laser properties with high pump lasers for upgrading fiber optic transceiver systems. Journal of Optical Communications, 2022, .	4.0	74
20	Performance enhancement of transceiver system based inter satellite optical wireless channel (IS-OWC) for ultra long distances. Journal of Optical Communications, 2021, .	4.0	83
21	Low loss flexibility and high efficiency of radio per fiber system for modern wireless communication system. Journal of Optical Communications, 2021, .	4.0	17
22	Optical transceiver communication systems performance evaluation based on nonlinear cross gain modulation effects. Journal of Optical Communications, 2021, .	4.0	19
23	Signal quality enhancement in multiplexed communication systems based on the simulation model of the optimum technical specifications of Raman fiber optical amplifiers. Journal of Optical Communications, 2022, .	4.0	20
24	Ideal single mode laser operation with single drive conventional/phase shift Mach-Zehnder modulators measured in optical access networks. Journal of Optical Communications, 2022, .	4.0	5
25	Simulation of ultra long reach and high speed data rate optical wireless multiplexing communication systems based on various modulation codes. Journal of Optical Communications, 2022, .	4.0	0
26	Multi-mode step graded index fibers performance parameters (attenuation/dispersion/mode field) measurements by using OptiFiber simulation. Journal of Optical Communications, 2022, .	4.0	7
27	Different mode operations based all optical fiber amplifiers with optical differential polarization quadrature phase shift keying transmitter. Journal of Optical Communications, 2020, .	4.0	4
28	Single fiber grating profile multi scan parameters for the optimization of grating parameters by using OptiGrating simulation. Journal of Optical Communications, 2022, .	4.0	5
29	Optical fiber signal strength based on Raman optical amplifiers schemes in dense wavelength multiplexed communication systems. Journal of Optical Communications, 2022, .	4.0	4
30	High-speed passive optical networks performance signature in downstream direction based on the engagement of both nonlinear cross-phase modulation (XPM) and cross-gain modulation (XGM) techniques. Journal of Optical Communications, 2022, .	4.0	5
31	Electro-optic power/signal quality optimization based on the interaction between electro-optic modulators and electrical filters. Journal of Optical Communications, 2022, .	4.0	5
32	Signal strength in FSO communication channels based on directly measured modulated laser with dual drive Mach-Zehnder modulators (MZMs) measured. Journal of Optical Communications, 2022, .	4.0	4
33	Grating index difference (GID) and order based distributed feedback laser effects on coarse wavelength division multiplexing optical fiber systems. Journal of Optical Communications, 2022, .	4.0	5
34	Optical fiber communication system links performance enhancement for high-speed data transmission through short-reach applications. Journal of Optical Communications, 2022, .	4.0	0
35	Optimization of the performance parameters of the Giga passive optical networks for high transmission data rates with various modulation schemes. Journal of Optical Communications, 2022, .	4.0	13
36	Hybrid Raman/EDFA optical fiber amplifiers configuration in amplified ultra wide band wavelength division multiplexed systems. Journal of Optical Communications, 2022, .	4.0	1

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38	Simulative study on integrated optical multimode waveguides with guided beams based on the system standardization of elements. Journal of Optical Communications, 2022, .	4.0	7
39	Nonlinear wavelength conversion cross phase modulation in fiber systems based on directly modulated laser measured. Journal of Optical Communications, 2022, .	4.0	5
40	Various coding techniques under bit sequence generators operation mode effects for upgrading transceiver systems efficiency. Journal of Optical Communications, 2022, .	4.0	0
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43	Mode mixing performance evaluation and influence of elements on the fiber system behaviour. Journal of Optical Communications, 2023, .	4.0	2
44	Performance evaluation of various distributors and exchange elements configurations in the optical fiber communication system under optimum operating conditions. Journal of Optical Communications, 2023, .	4.0	2
45	Simulative study of high speed light modulated measured sources for high optical network transmission efficiency. Journal of Optical Communications, 2023, .	4.0	1
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47	Study of the splicing/coupling influence of cabling to fibers test links measurements. Journal of Optical Communications, 2023, .	4.0	0
48	Efficient employment of optical sources integrated with both light detectors and free space communication modulated channel under ambient conditions effects. Journal of Optical Communications, 2023, .	4.0	1
49	Integrated optics based on electro optic modulators for long distance links and high bit rate communication. Journal of Optical Communications, 2023, .	4.0	1
50	Noise multiplication and bandwidth of photodetectors employed with Taylor dispersion in micro optical fiber channel system. Journal of Optical Communications, 2023, .	4.0	0
51	The efficient employment of the space division multiplexing technique with OADMs for more flexibility and scalability in optical systems. Journal of Optical Communications, 2023, .	4.0	0
52	Study and development of dual core photonic crystal fiber for the employment of guided waves polarization modes. Journal of Optical Communications, 2023, .	4.0	0
53	Bipolar alternate mark inversion encoding (BAMI) scheme for performance signature of optical transceiver systems under thermal effects. Journal of Optical Communications, 2023, .	4.0	0
54	Co-directional waveguide grating coupler transmission and reflection dispersion characteristics performance. Journal of Optical Communications, 2023, .	4.0	0

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56	Various RZ percentage duty cycle coding with NRZ modulation technique signature on the fiber system performance. Journal of Optical Communications, 2023, .	4.0	0
57	Conventional arrayed waveguide grating (CAWG) devices for high stability and low insertion loss in near infrared wavelength band. Journal of Optical Communications, 2023, .	4.0	2
58	Efficient employment of optical DPSK transmitter with linear multimode fibers and FSO channel under various duty cycle coding effects. Journal of Optical Communications, 2023, .	4.0	0
59	Optical differential phase shift keying transceiver systems performance efficiency at high data rate optical systems in the presence of Pr doped amplifiers. Journal of Optical Communications, 2023, .	4.0	0
60	Performance evaluation simulation of the optical splitters integrated with unidirectional fiber elements. Journal of Optical Communications, 2023, .	4.0	0
61	Study of the performance signature based ternary and quaternary III-V compounds for laser diodes in optical communication system. Journal of Optical Communications, 2023, .	4.0	2
62	Optical communications with guided wave fibers with rectangular cladding for fuel adulteration detection. Journal of Optical Communications, 2023, .	4.0	1
63	High stability with low polarization and confinement loss based new structure of photonic crystal fiber waveguide profile. Journal of Optical Communications, 2023, .	4.0	0
64	On off keying line coding based optical transmitter for various both optical fiber communication and OWC channels. Journal of Optical Communications, 2023, .	4.0	0
65	Distributed feedback laser grating order effects on optical systems with NRZ-RZ line coding scheme performance signature. Journal of Optical Communications, 2023, .	4.0	0