

Alicia Lopez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

148
citations

1307594

7
h-index

1281871

11
g-index

30
all docs

30
docs citations

30
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Measurement-Based Efficient Computational Approach to Modeling Optical Power Transmission in Step-Index Polymer Optical Fiber. <i>Photonics</i> , 2022, 9, 260.	2.0	0
2	Radio Over Plastic Optical Fiber Transmission for Short-Range Future Networks. , 2022, , .		2
3	Sensing Applications in Aircrafts Using Polymer Optical Fibres. <i>Sensors</i> , 2021, 21, 3605.	3.8	5
4	Experimental Assessment of the Transmission Performance of Step Index Polymer Optical Fibers Using a Green Laser Diode. <i>Polymers</i> , 2021, 13, 3397.	4.5	2
5	Experimental Characterization of the Transmission Properties of Large-Core Graded-Index PMMA Fibers. , 2020, , .		4
6	Study of Graphene-SOI-Based Micro-Ring Resonator for Beamforming Automotive Radars. , 2020, , .		0
7	Statistical Approach for Modeling Connectors in SI-POF Avionics Systems. , 2019, , .		0
8	Overcoming Challenges in Large-Core SI-POF-Based System-Level Modeling and Simulation. <i>Photonics</i> , 2019, 6, 88.	2.0	2
9	Advanced Technologies for Coherent Access Networks. , 2019, , .		3
10	Characterization of a Y-Coupler and Its Impact on the Performance of Plastic Optical Fiber Links. <i>Fibers</i> , 2018, 6, 96.	4.0	1
11	On the Variability of Launching and Detection in POF Transmission Systems. , 2018, , .		4
12	Transmission Performance of Plastic Optical Fibers Designed for Avionics Platforms. <i>Journal of Lightwave Technology</i> , 2018, 36, 5082-5088.	4.6	7
13	Temperature sensitivity of POF links for avionics applications. , 2017, , .		1
14	A POF model for short fiber segments in avionics applications. , 2016, , .		0
15	Attenuation and diffusion produced by small-radius curvatures in POFs. <i>Optics Express</i> , 2016, 24, 15710.	3.4	9
16	Experimental characterization of transmission properties in multi-core plastic optical fibers. , 2016, , .		3
17	Simulation framework for POF-based communication systems. , 2015, , .		3
18	POF misalignment model based on the calculation of the radiation pattern using the Hankel transform. <i>Optics Express</i> , 2015, 23, 8061.	3.4	13

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19	Modeling Methodology for Engineering SI-POF and Connectors in an Avionics System. Journal of Lightwave Technology, 2013, 31, 468-475.	4.6	23
20	Fiber to the Home Through Passive Optical Networks. Optical Networks Series, 2012, , 337-372.	1.1	1
21	Application limits of single-wavelength communications by orthogonal modulation formats. , 2011, , .		0
22	Analysis of the influence of backscattered optical power over bidirectional PON links. Optics Communications, 2010, 283, 2243-2250.	2.1	5
23	Novel WDM-PON Architecture Based on a Spectrally Efficient IM-FSK Scheme Using DMLs and RSOAs. Journal of Lightwave Technology, 2008, 26, 350-356.	4.6	28
24	Experimental investigation of optically gain-clamped EDFAs in dynamic optical- burst-switched networks. Journal of Optical Networking, 2008, 7, 151.	2.5	6
25	Experimental investigation of optically gain-clamped EDFAs in dynamic optical-burst-switched networks: publisher's note. Journal of Optical Networking, 2008, 7, 197.	2.5	3
26	Analysis of narrow-FSK downstream modulation in colourless WDM PONs. Electronics Letters, 2007, 43, 471.	1.0	10
27	Narrow-FSK optical packet labeling scheme for optical ethernet networks. IEEE Photonics Technology Letters, 2006, 18, 1696-1698.	2.5	8
28	CWDM Metropolitan Multiple-Access Ring Network Based on Optical Packet Witching. Photonic Network Communications, 2006, 11, 111-121.	2.7	0
29	Large-Core Single-Mode Waveguides With Cross-Sectional Antiresonant Confinement. Journal of Lightwave Technology, 2004, 22, 1560-1565.	4.6	5
30	Modeling of Polymer Optical Fibers. , 0, , 97-116.		0