

Nicholas Madamopoulos

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

706
citations

16
h-index

22
g-index

99
ext. papers

823
ext. citations

2.9
avg, IF

3.98
L-index

#	Paper	IF	Citations
79	Optical fiber long-period grating humidity sensor with poly(ethylene oxide)/cobalt chloride coating. <i>Applied Optics</i> , 2006 , 45, 4567-71	1.7	96
78	Tunable multi-wavelength SOA based linear cavity dual-output port fiber laser using Lyot-Sagnac loop mirror. <i>Optics Express</i> , 2011 , 19, 3202-11	3.3	39
77	Hybrid polymer/cobalt chloride humidity sensors based on optical diffraction. <i>Sensors and Actuators B: Chemical</i> , 2007 , 120, 481-486	8.5	29
76	Performance engineering and topological design of metro WDM optical networks using computer simulation. <i>IEEE Journal on Selected Areas in Communications</i> , 2002 , 20, 149-165	14.2	26
75	Demonstration of an all-digital 7-bit 33-channel photonic delay line for phased-array radars. <i>Applied Optics</i> , 2000 , 39, 4168-81	1.7	26
74	Applications of large-scale optical 3D-MEMS switches in fiber-based broadband-access networks. <i>Photonic Network Communications</i> , 2010 , 19, 62-73	1.7	24
73	Daylight and thermal harvesting performance evaluation of a liquid filled prismatic façade using the Radiance five-phase method and EnergyPlus. <i>Building and Environment</i> , 2017 , 126, 396-409	6.5	22
72	Phased-array antenna, maximum-compression, reversible photonic beam former with ternary designs and multiple wavelengths. <i>Applied Optics</i> , 1997 , 36, 983-96	1.7	22
71	Study of the performance of a transparent and reconfigurable metropolitan area network. <i>Journal of Lightwave Technology</i> , 2002 , 20, 937-945	4	22
70	Extending the Gain Bandwidth of Combined Raman-Parametric Fiber Amplifiers Using Highly Nonlinear Fiber. <i>Journal of Lightwave Technology</i> , 2009 , 27, 583-589	4	21
69	High signal-to-noise ratio birefringence-compensated optical delay line based on a noise-reduction scheme. <i>Optics Letters</i> , 1995 , 20, 2351	3	20
68	A Fully Distributed 10G-EPON-based Converged Fixed-Mobile Networking Transport Infrastructure for Next Generation Broadband Access. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 366-411	4.1	19
67	Modeling Methodology for Engineering SI-POF and Connectors in an Avionics System. <i>Journal of Lightwave Technology</i> , 2013 , 31, 468-475	4	19
66	Characterization of a ferroelectric liquid crystal-based time delay unit for phased array antenna applications. <i>Journal of Lightwave Technology</i> , 1997 , 15, 1088-1094	4	18
65	Dual Sagnac loop mirror SOA-based widely tunable dual-output port fiber laser. <i>Optics Express</i> , 2009 , 17, 14495-501	3.3	17
64	Analytical model, analysis and parameter optimization of a super linear electro-optic modulator (SFDR > 130 dB). <i>Optics Communications</i> , 2011 , 284, 5578-5587	2	16
63	Switchable dual-wavelength SOA-based fiber laser with continuous tunability over the C-band at room-temperature. <i>Optics Express</i> , 2012 , 20, 23367-73	3.3	15

62	Effect of Ring Resonator Waveguide Loss on SFDR Performance of Highly Linear Optical Modulators Under Suboctave Operation. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1297-1299	2.2	14
61	Directly modulated semiconductor-laser-fed photonic delay line with ferroelectric liquid crystals. <i>Applied Optics</i> , 1998 , 37, 1407-16	1.7	14
60	Liquid filled prismatic louvre façade for enhanced daylighting in high-rise commercial buildings. <i>Optics Express</i> , 2015 , 23, A805-18	3.3	13
59	Quantification of energy savings from dynamic solar radiation regulation strategies in office buildings. <i>Energy and Buildings</i> , 2016 , 122, 140-149	7	12
58	Nonlinear optical detections of structural distortions at degraded Fe-doped SrTiO ₃ interfaces. <i>Materials Chemistry and Physics</i> , 2017 , 198, 131-136	4.4	11
57	Experimental demonstration and performance evaluation of a complex fenestration system for daylighting and thermal harvesting. <i>Solar Energy</i> , 2020 , 197, 385-395	6.8	11
56	. <i>Journal of Lightwave Technology</i> , 2014 , 32, 939-946	4	10
55	Synchronous amplitude and time control for an optimum dynamic range variable photonic delay line. <i>Applied Optics</i> , 1999 , 38, 2309-18	1.7	10
54	Polarization selective hologram-based photonic delay lines. <i>Optics Communications</i> , 1998 , 157, 225-237	2	9
53	Transport performance of an 80-Gb/s WDM regional area transparent ring network utilizing directly modulated lasers. <i>Journal of Lightwave Technology</i> , 2002 , 20, 562-573	4	8
52	All-fiber connectorized compact fiber optic delay-line modules using three-dimensional polarization optics. <i>Optical Engineering</i> , 2000 , 39, 2338	1.1	8
51	Adaptable-delay balanced-loss binary photonic delay line architectures using polarization switching. <i>Optics Communications</i> , 1998 , 152, 135-143	2	7
50	Photonic delay line using electrically switched gratings in polymer dispersed liquid crystals. <i>Optical Engineering</i> , 1998 , 37, 3061	1.1	7
49	Beam Combining of SOA-Based Bidirectional Tunable Fiber Nested Ring Lasers With Continuous Tunability Over the C-band at Room Temperature. <i>Journal of Lightwave Technology</i> , 2016 , 34, 3703-3710 ⁴		7
48	Laser Based Projection System for Displays, Signage and Illumination. <i>Journal of Display Technology</i> , 2014 , 10, 832-839		6
47	Optimization of gain bandwidth and gain ripple of a hybrid Raman/parametric amplifier for access network applications. <i>Applied Optics</i> , 2012 , 51, 7834-41	1.7	6
46	Microwave band demonstration of a reflective geometry fiber and free-space binary photonic delay line 1997 , 7, 103-105		6
45	Fully Integrated NxN MEMS Wavelength Selective Switch with 100% Colorless Add-Drop Ports 2008 ,		6

44	Photonic security system using spatial codes and remote coded coherent optical communications. <i>Optical Engineering</i> , 1996 , 35, 2487	1.1	6
43	Ahorrar: Indoor Occupancy Counting to Enable Smart Energy Efficient Office Buildings 2016 ,		5
42	Influence of membrane surface shape change on the performance characteristics of a fiber optic microphone. <i>Applied Optics</i> , 2010 , 49, 6660-7	0.2	5
41	Optical frequency discriminator with ultrahigh-amplitude-and-phase linearity for frequency-modulated microwave photonic links 2016 ,		5
40	Experimental demonstration of a distributed ring-based EPON architecture. <i>Photonic Network Communications</i> , 2010 , 19, 55-61	1.7	4
39	Performance analysis of the ultra-linear optical intensity modulator 2006 ,		4
38	Prismatic louver active façades for natural illumination and thermal energy gain in high-rise and commercial buildings 2013 ,		3
37	Traveling wave optical modulator with high dynamic range ($\ll 130$ dB) at large modulation frequencies 2009 ,		3
36	Compact switched-retroreflection-based 2/spl times/2 optical switching fabric for WDM applications. <i>Journal of Lightwave Technology</i> , 2005 , 23, 247-259	4	3
35	Super-linear optical modulator technologies for optical broadband access network: development and potential 2005 , 6012, 214		3
34	Photonic time-delay beam-forming architectures using polarization switching arrays 1996 , 2754, 186		3
33	Super-linear modulator with extended bandwidth capability for broadband access applications 2009 ,		3
32	Fiber loop mirror based single-platform multifunctional Michelson-Gires-Tournois filter. <i>Optics Communications</i> , 2019 , 436, 134-142	2	3
31	Linearization of photonic components for digital and analog optical fiber communication systems 2017 ,		2
30	Adaptive High Linearity Intensity Modulator for Advanced Microwave Photonic Links 2017 ,		2
29	High performance microring resonator (MRR)-based optical filter with reduced group delay and simplified center-wavelength control 2013 ,		2
28	Inherent RF linearized bandwidth broadening capability of an ultra-linear optical modulator 2011 ,		2
27	SOA-based loop mirror for tunable pulse-width generation. <i>Optics Communications</i> , 2009 , 282, 2608-2614		2

26	Switched photonic delay line for phased-array antenna control using externally modulated microwave fiber optic link 1997 ,		2
25	Photonic delay lines using polarization-selective holograms for optical signal routing 1998 ,		2
24	An Ultra-Linear Modulator with Inherent SFDR Compensation Capability 2010 ,		2
23	Modelling Wireless Propagation for Indoor Localization. <i>Journal of Cyber Security and Mobility</i> , 2016 , 4, 279-304	1	2
22	Intelligent Traffic-Lights Management by Exploiting Smart Antenna Technology (ITSAT). <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020 , 1-1	2.6	1
21	Temperature sensitivity of POF links for avionics applications 2017 ,		1
20	A New Methodology for Quantifying the Impact of Direct and Diffuse Solar Radiation on Energy Savings in Commercial Office Spaces. <i>Energy Procedia</i> , 2015 , 78, 2214-2219	2.3	1
19	Fiber-optic Michelson-Gires-Turnois interferometer based multifunctional optical filter for microwave photonic applications 2015 ,		1
18	Managing traffic-light-duration by exploiting smart antenna technology (MATSAT) 2015 ,		1
17	2012 ,		1
16	Interferometric modulator with phase-modulating and cavity-modulating components (IMPACC) for high linearity microwave applications: technology review 2013 ,		1
15	Adaptable delay balanced switched photonic control modules for antenna arrays 1997 ,		1
14	NiCl ₂ /SiO ₂ sol-gel material for ammonia sensing 2006 , 6377, 66		1
13	Optical fiber long-period grating humidity sensor utilizing PEO/CoCl ₂ outcladding overlayers 2005 ,		1
12	Study of a transparent and reconfigurable metropolitan area network 2001 ,		1
11	Switched three-dimensional photonic delay line using directly modulated semiconductor lasers for microwave radar processing 1996 ,		1
10	Liquid filled prismatic louver façade for enhanced indoor natural lighting in commercial buildings 2012 ,		1
9	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020 , 12, 66-77	2.6	1

8	Comparison of Optimized Mathematical Methods in the Improvement of Raster Data and Map Display Resolution of Sentinel-2 Images 2018 ,		1
7	Performance Analysis of a Hybrid Raman Optical Parametric Amplifier in the O- and E-Bands for CWDM PONs. <i>Photonics</i> , 2014 , 1, 473-487	2.2	0
6	Improved linear crosstalk tolerance in an un-amplified ring PON. <i>Photonic Network Communications</i> , 2011 , 22, 123-132		1.7
5	Photonic delay lines: technology trends and challenges 2003 , 5247, 347		
4	Computer-generated holographic diffractive structures fabricated by direct excimer laser microetching 1995 , 2403, 448		
3	Optical Interconnects. <i>Optical Networks Series</i> , 2012 , 235-300		
2	Integrated Photonic Linear Frequency Discriminator Filter for 5G Phase-Modulated Microwave Photonic Links. <i>Journal of Lightwave Technology</i> , 2021 , 1-1		4
1	Novel Measurement-Based Efficient Computational Approach to Modeling Optical Power Transmission in Step-Index Polymer Optical Fiber. <i>Photonics</i> , 2022 , 9, 260	2.2	