

# Jan Radil

## List of Publications by Year in descending order

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62  
papers

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citations

1163117

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h-index

1058476

14  
g-index

62  
all docs

62  
docs citations

62  
times ranked

167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Amplifiers for Access and Passive Optical Networks: A Tutorial. Applied Sciences (Switzerland), 2020, 10, 5912.	2.5	8
2	Opening up ROADMs: a filterless add/drop module for coherent-detection signals. Journal of Optical Communications and Networking, 2020, 12, C41.	4.8	12
3	Raman amplification for ultra-stable coherent frequency transmission in S band. IOP Conference Series: Materials Science and Engineering, 2019, 490, 072035.	0.6	0
4	Alien Wavelengths in National Research and Education Network Infrastructures Based on Open Line Systems: Challenges and Opportunities. Journal of Optical Communications and Networking, 2019, 11, 118.	4.8	8
5	Alternative spectral windows for photonic services distribution. , 2019, , .		1
6	YANG/NETCONF ROADM: Evolving Open DWDM Toward SDN Applications. Journal of Lightwave Technology, 2018, 36, 3105-3114.	4.6	14
7	Transmission Delay Stabilization Using Commercial Pluggable Small Form Factor Transceiver Based on V-Cavity Laser. , 2018, , .		2
8	Bidirectional optical amplifier delivering high gain. , 2018, , .		4
9	The H2020 Project CLONETS: Clock Services over Optical-fibre Networks in Europe. , 2018, , .		2
10	Multi-purpose infrastructure for dissemination of precise stable optical frequency. , 2018, , .		2
11	Optical amplification for quantum sources of ultra-stable optical frequency. , 2018, , .		1
12	Joint accurate time and stable frequency distribution infrastructure sharing fiber footprint with research network. Optical Engineering, 2017, 56, 027101.	1.0	25
13	Simultaneous transmission of the high-power phase sensitive OTDR, 100Gbps dual polarisation QPSK, accurate time/frequency, and their mutual interferences. , 2017, , .		0
14	Simultaneous transmission of standard data, precise time, stable frequency and sensing signals and their possible interaction. Proceedings of SPIE, 2017, , .	0.8	2
15	Interference of Data Transmission in Access and Backbone Networks by High-Power Sensor System. Fiber and Integrated Optics, 2017, 36, 144-156.	2.5	11
16	CLONETS - clock network services: Strategy and innovation for clock services over optical-fibre networks. , 2017, , .		4
17	CLONETS “ Clock network services strategy and innovation for clock services over optical-fibre networks. , 2017, , .		3
18	Joint stable optical frequency and precise time transfer over 406 km of shared fiber lines “ Study. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Time transfer over 1900 km of DWDM network. , 2017, , .		0
20	Optical stabilization for time transfer infrastructure. , 2017, , .		0
21	Joint accurate time and stable frequency distribution infrastructure sharing fiber footprint with research network. Proceedings of SPIE, 2016, , .	0.8	0
22	Coexistence of access and backbone networks with sensor systems. , 2016, , .		2
23	Propagation delay stabilization to address fast and slow delay changes. , 2016, , .		1
24	Resilience of semiconductor optical amplifier with holding beam injection to reflections in bidirectional reciprocal operation. , 2016, , .		1
25	Distribution of accurate time over fiber data network. , 2015, , .		0
26	Semiconductor Optical Amplifier with Holding Beam Injection for Single Path Accurate Time Transmission. , 2015, , .		7
27	All optical two-way time transfer in strongly heterogeneous networks. Proceedings of SPIE, 2014, , .	0.8	7
28	Photonic services for real-time applications. , 2012, , .		1
29	Photonic services enables real-time applications over long distances. , 2012, , .		3
30	Multi-wavelength conversion at 10 Gb/s and 40 Gb/s based on 2 pumps FOPA. , 2011, , .		5
31	Transmission of 20 channels over 238 km of non-zero dispersion shifted fibre using distributed time-division multiplexing-pumped Raman amplification. IET Optoelectronics, 2010, 4, 78-84.	3.3	0
32	Power transients in time-division multiplexed discrete Raman fibre amplifier. Optics Communications, 2009, 282, 2944-2949.	2.1	2
33	Dark fibre facilities for research and experimentation. , 2009, , .		0
34	Estimation of non-linear effects and chromatic dispersion compensation on propagation of 100 Gb/s signals. , 2009, , .		1
35	Multicasting at 10 Gb/s and 40 GHz Using a Hybrid Integrated SOA Mach-Zehnder Interferometer. , 2009, , .		1
36	Surviving Channel Power Transients in TDM-Pumped Lumped Raman Fiber Amplifier. , 2009, , .		1

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37	Channel addition-removal response in a cascade of three distributed Raman fiber amplifiers transmitting 10 $\lambda$ —10 GE channels: experimentation and modeling. Journal of Optical Networking, 2008, 7, 15.	2.5	2
38	Multi-wavelength conversion at 10 Gb/s and 40 GHz using a hybrid integrated SOA Mach-Zehnder interferometer. , 2008, , .		0
39	Power Transients in a Cascade of Three Distributed Raman Fibre Amplifiers Transmitting 10 $\lambda$ —10 GE Channels over 383 km. , 2007, , .		0
40	Untraditional all-optical chromatic dispersion compensating elements - experimental verification. , 2007, , .		0
41	Experimental comparison of all-optical methods of chromatic dispersion compensation in long haul transmission at speeds of 10 Gbit/s. Journal of Optical Networking, 2007, 6, 1340.	2.5	3
42	Surviving-Channel-Power Transients in Second-Order Pumped Lumped Raman Fiber Amplifier: Experimentation and Modeling. Journal of Lightwave Technology, 2007, 25, 664-672.	4.6	8
43	Bidirectional repeaterless transmission of 8 $\lambda$ —10 $\lambda$ GE over 210 $\lambda$ km of standard single mode fibre. IET Optoelectronics, 2007, 1, 96-100.	3.3	5
44	Comparison of an Unconventional All-Optical Chromatic Dispersion Compensation Techniques in Nothing in Line Scenarios with Emphasis to Tunability. , 2007, , .		0
45	Multi-wavelength conversion at 10Gb/s using cross-phase modulation in highly nonlinear fiber. Optics Communications, 2007, 278, 402-412.	2.1	10
46	Bidirectional Repeaterless Transmission of 8x10 GE over 210 km of Standard Single Mode Fibre. , 2006, , .		2
47	High-definition multimedia for multiparty low-latency interactive communication. Future Generation Computer Systems, 2006, 22, 856-861.	7.5	32
48	10 gigabit Ethernet long-haul transmission without in-line EDFAs. Annales Des Telecommunications/Annals of Telecommunications, 2006, 61, 478-488.	2.5	2
49	10 Gb/s and 40 Gb/s Multi-Wavelength Conversion Based on Nonlinear Effects in HNLF. , 2006, , .		6
50	Design of all-optical gain-clamped lumped Raman fibre amplifier for optimal dynamic performance. IEE Proceedings: Optoelectronics, 2005, 152, 223.	0.8	3
51	Large signal model of TDM-pumped Raman fiber amplifier. IEEE Photonics Technology Letters, 2005, 17, 1848-1850.	2.5	16
52	Protection of surviving channels in all-optical gain-clamped lumped Raman fibre amplifier: modelling and experimentation. Optics Communications, 2004, 231, 309-317.	2.1	10
53	202 km repeaterless transmission of 2 $\lambda$ —10 GE plus 2 $\lambda$ —1 GE channels over standard single mode fibre. Optics Communications, 2004, 235, 269-274.	2.1	6
54	Optimization of NRZ Data Transmission at 10 Gbit/s over G.652 Without In-Line DFAs. Fiber and Integrated Optics, 2004, 23, 297-310.	2.5	4

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55	Channel Addition/Removal Response in All-Optical Gain-Clamped Lumped Raman Fiber Amplifier. IEEE Photonics Technology Letters, 2004, 16, 771-773.	2.5	10
56	Analysis of Channel Addition/Removal Response in All-Optical Gain-Clamped Cascade of Lumped Raman Fiber Amplifiers. Journal of Lightwave Technology, 2004, 22, 2271-2278.	4.6	3
57	Monitoring of large-area solar cell homogeneity by local irradiation. , 2003, , .		0
58	Optimization of all-optical gain-clamped lumped raman fibre amplifier for dynamic performance. , 0, , .		0
59	In-process diagnostics of recombination centres in structures of large-area solar cells. , 0, , .		0
60	Extending the reach of 10GE at 1310 nm. , 0, , .		1
61	Project CLONETS. , 0, , .		0
62	The CLONETS 1½ Clock Network Services Strategy and Innovation for Clock Services Over Optical-Fibre Networks. , 0, , .		0