# Jan Radil

List of Publications by Year
in descending order



| 62 | 258 | 1163117 8 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 62 | 62 | 62 | 167 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-definition multimedia for multiparty low-latency interactive communication. Future Generation Computer Systems, 2006, 22, 856-861. | 7.5 | 32 |
| 2 | Joint accurate time and stable frequency distribution infrastructure sharing fiber footprint with research network. Optical Engineering, 2017, 56, 027101. | 1.0 | 25 |
| 3 | Large signal model of TDM-pumped Raman fiber amplifier. IEEE Photonics Technology Letters, 2005, 17, 1848-1850. | 2.5 | 16 |
| 4 | YANG/NETCONF ROADM: Evolving Open DWDM Toward SDN Applications. Journal of Lightwave Technology, 2018, 36, 3105-3114. | 4.6 | 14 |
| 5 | Opening up ROADMs: a filterless add/drop module for coherent-detection signals. Journal of Optical Communications and Networking, 2020, 12, C41. | 4.8 | 12 |
| 6 | 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 |
| 7 | 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 |
| 8 | Channel Additionâ€“Removal Response in All-Optical Gain-Clamped Lumped Raman Fiber Amplifier. IEEE Photonics Technology Letters, 2004, 16, 771-773. | 2.5 | 10 |
| 9 | Multi-wavelength conversion at 10Gb/s using cross-phase modulation in highly nonlinear fiber. Optics Communications, 2007, 278, 402-412. | 2.1 | 10 |
| 10 | 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 |
| 11 | 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 |
| 12 | Optical Amplifiers for Access and Passive Optical Networks: A Tutorial. Applied Sciences (Switzerland), 2020, 10, 5912. | 2.5 | 8 |
| 13 | All optical two-way time transfer in strongly heterogeneous networks. Proceedings of SPIE, 2014, , . | 0.8 | 7 |
| 14 | Semiconductor Optical Amplifier with Holding Beam Injection for Single Path Accurate Time Transmission. , 2015, , . | | 7 |
| 15 | 202 km repeaterless transmission of 2Ã—10 GE plus 2Ã—1 GE channels over standard single mode fibre. Optics Communications, 2004, 235, 269-274. | 2.1 | 6 |
| 16 | 10 Gb/s and 40 Gb/s Multi-Wavelength Conversion Based on Nonlinear Effects in HNLF. , 2006, , . | | 6 |
| 17 | Bidirectional repeaterless transmission of 8Ã—10â€…GE over 210â€…km of standard single mode fibre. IET Optoelectronics, 2007, 1, 96-100. | 3.3 | 5 |
| 18 | Multi-wavelength conversion at 10 Gb/s and 40 Gb/s based on 2 pumps FOPA. , 2011, , . | | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | CLONETS - clock network services: Strategy and innovation for clock services over optical-fibre networks. , 2017, , . | | 4 |
| 21 | Joint stable optical frequency and precise time transfer over 406 km of shared fiber lines â€" Study. , 2017, , . | | 4 |
| 22 | Bidirectional optical amplifier delivering high gain. , 2018, , . | | 4 |
| 23 | 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 |
| 24 | Design of all-optical gain-clamped lumped Raman fibre amplifier for optimal dynamic performance. IEE Proceedings: Optoelectronics, 2005, 152, 223. | 0.8 | 3 |
| 25 | 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 |
| 26 | Photonic services enables real-time applications over long distances. , 2012, , . | | 3 |
| 27 | CLONETS â€“ Clock network services strategy and innovation for clock services over optical-fibre networks. , 2017, , . | | 3 |
| 28 | Bidirectional Repeaterless Transmission of 8x10 GE over 210 km of Standard Single Mode Fibre. , 2006, , . | | 2 |
| 29 | 10 gigabit Ethernet long-haul transmission without in-line EDFAs. Annales Des Telecommunications/Annals of Telecommunications, 2006, 61, 478-488. | 2.5 | 2 |
| 30 | Channel addition-removal response in a cascade of three distributed Raman fiber amplifiers transmitting 10Ã—10 GE channels: experimentation and modeling. Journal of Optical Networking, 2008, 7, 15. | 2.5 | 2 |
| 31 | Power transients in time-division multiplexed discrete Raman fibre amplifier. Optics Communications, 2009, 282, 2944-2949. | 2.1 | 2 |
| 32 | Coexistence of access and backbone networks with sensor systems. , 2016, , . | | 2 |
| 33 | Simultaneous transmission of standard data, precise time, stable frequency and sensing signals and their possible interaction. Proceedings of SPIE, 2017, , . | 0.8 | 2 |
| 34 | Transmission Delay Stabilization Using Commercial Pluggable Small Form Factor Transceiver Based on V-Cavity Laser. , 2018, , . | | 2 |
| 35 | The H2020 Project CLONETS: Clock Services over Optical-fibre Networks in Europe. , 2018, , . | | 2 |
| 36 | Multi-purpose infrastructure for dissemination of precise stable optical frequency. , 2018, , . | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Extending the reach of 10GE at 1310 nm. , 0, , . | | 1 |
| 38 | Estimation of non-linear effects and chromatic dispersion compensation on propagation of 100 Gb/s signals. , 2009, , . | | 1 |
| 39 | Multicasting at 10 Gb/s and 40 GHz Using a Hybrid Integrated SOA Mach-Zehnder Interferometer. , 2009, , . | | 1 |
| 40 | Surviving Channel Power Transients in TDM-Pumped Lumped Raman Fiber Amplifier. , 2009, , . | | 1 |
| 41 | Photonic services for real-time applications. , 2012, , . | | 1 |
| 42 | Propagation delay stabilization to address fast and slow delay changes. , 2016, , . | | 1 |
| 43 | Resilience of semiconductor optical amplifier with holding beam injection to reflections in bidirectional reciprocal operation. , 2016, , . | | 1 |
| 44 | Optical amplification for quantum sources of ultra-stable optical frequency. , 2018, , . | | 1 |
| 45 | Alternative spectral windows for photonic services distribution. , 2019, , . | | 1 |
| 46 | Optimization of all-optical gain-clamped lumped raman fibre amplifier for dynamic performance. , 0, , . | | 0 |
| 47 | In-process diagnostics of recombination centres in structures of large-area solar cells. , 0, , . | | 0 |
| 48 | Monitoring of large-area solar cell homogeneity by local irradiation. , 2003, , . | | 0 |
| 49 | Power Transients in a Cascade of Three Distributed Raman Fibre Amplifiers Transmitting 10Ã—10 GE Channels over 383 km. , 2007, , . | | 0 |
| 50 | Untraditional all-optical chromatic dispersion compensating elements - experimental verification. , 2007, , . | | 0 |
| 51 | Comparison of an Unconventional All-Optical Chromatic Dispersion Compensation Techniques in Nothing in Line Scenarios with Emphasis to Tunability. , 2007, , . | | 0 |
| 52 | Multi-wavelength conversion at 10 Gb/s and 40 GHz using a hybrid integrated SOA Mach-Zehnder interferometer. , 2008, , . | | 0 |
| 53 | Dark fibre facilities for research and experimentation. , 2009, , . | | 0 |
| 54 | Transmission of 20 channels over 238â€…km of non-zero dispersion shifted fibre using distributed time-division multiplexing-pumped Raman amplification. IET Optoelectronics, 2010, 4, 78-84. | 3.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Distribution of accurate time over fiber data network. , 2015, , . | | 0 |
| 56 | Joint accurate time and stable frequency distribution infrastructure sharing fiber footprint with research network. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 57 | Simultaneous transmission of the high-power phase sensitive OTDR, 100Gbps dual polarisation QPSK, accurate time/frequency, and their mutual interferences. , 2017, , . | | 0 |
| 58 | Time transfer over 1900 km of DWDM network. , 2017, , . | | 0 |
| 59 | Raman amplification for ultra-stable coherent frequency transmission in S band. IOP Conference Series: Materials Science and Engineering, 2019, 490, 072035. | 0.6 | 0 |
| 60 | Optical stabilization for time transfer infrastructure. , 2017, , . | | 0 |
| 61 | Project CLONETS. , 0, , . | | 0 |
| 62 | The CLONETS ï¿½ Clock Network Services Strategy and Innovation for Clock Services Over Optical-Fibre Networks. , 0, , . | | 0 |