

# Valeria Vercesi

## List of Publications by Year in descending order

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22  
papers

1,094  
citations

1307594

7  
h-index

1199594

12  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1067  
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully photonics-based coherent radar system. Nature, 2014, 507, 341-345.	27.8	852
2	Up to 40 Gb/s Directly Modulated Laser Operating at Low Driving Current: Buried-Heterostructure Passive Feedback Laser (BH-PFL). IEEE Photonics Technology Letters, 2012, 24, 362-364.	2.5	73
3	Chaos Generation and Synchronization Using an Integrated Source With an Air Gap. IEEE Journal of Quantum Electronics, 2010, 46, 1840-1846.	1.9	40
4	Sliceable Transponder Architecture Including Multiwavelength Source. Journal of Optical Communications and Networking, 2014, 6, 590.	4.8	36
5	Frequency-agile dual-frequency lidar for integrated coherent radar-lidar architectures. Optics Letters, 2015, 40, 1358.	3.3	34
6	Electronically synthesized Nyquist pulses for photonic sampling of microwave signals. Optics Express, 2017, 25, 29249.	3.4	12
7	Close-loop three-laser scheme for chaos-encrypted message transmission. Optical and Quantum Electronics, 2010, 42, 143-156.	3.3	10
8	Colorless all-optical sum and subtraction of phases for phase-shift keying signals based on a periodically poled lithium niobate waveguide. Optics Letters, 2012, 37, 3831.	3.3	8
9	Flexible frequency comb generation in a periodically poled lithium niobate waveguide enabling optical multicasting. Optics Letters, 2014, 39, 5981.	3.3	7
10	Photonic sampling of broadband QAM microwave signals exploiting interleaved optical Nyquist pulses. , 2018, , .		7
11	Spectral-Efficient Flexible Optical Multicasting in a Periodically Poled Lithium Niobate Waveguide. Journal of Lightwave Technology, 2015, 33, 4731-4737.	4.6	6
12	Polarization-Independent All-Optical Regenerator for DPSK Data. Photonics, 2014, 1, 154-161.	2.0	2
13	Polarization-independent all-optical regenerator for DPSK data. , 2014, , .		2
14	Modelling of an optical threshold element based On SOAs. , 2012, , .		1
15	Hitless multiwavelength source reconfiguration for flexible optical networks. , 2015, , .		1
16	Integrated multi-frequency lidar / radar system for precise and robust Doppler measurements. , 2015, , .		1
17	Tunable dual-frequency lidar exploiting a mode-locked laser for integrated coherent radar-lidar architectures. , 2015, , .		1
18	Hitless Reconfiguration of a PPLN-Based Multiwavelength Source for Elastic Optical Networks. Journal of Optical Communications and Networking, 2016, 8, 85.	4.8	1

#	ARTICLE	IF	CITATIONS
19	Secure transmission with chaotic lasers synchronized by electrical injection. , 2009, , .		0
20	NRZ/RZ 40ÂGbit/s optical regenerator based on a photonic two-level nonlinear device. Optics Letters, 2013, 38, 1954.	3.3	0
21	Routing and Optical Multiplexing of 10-Gb/s OOK Streams to (DP)-DQPSK Traffic Trunks. IEEE Photonics Technology Letters, 2014, 26, 1176-1179.	2.5	0
22	Review on phase preserving amplitude regeneration for phase-coded signals exploiting FWM in a saturated SOA. , 2015, , .		0