

# Enrico Coscelli

## List of Publications by Year in descending order

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53  
papers

347  
citations

840776

11  
h-index

839539

18  
g-index

53  
all docs

53  
docs citations

53  
times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low cost 3D tin sheet multiband shark-fin antenna for LTE MIMO vehicular application. Microwave and Optical Technology Letters, 2020, 62, 3876-3880.	1.4	1
2	Inner cladding influence on mode interaction in symmetry-free photonic crystal fibers under heat load. Optical and Quantum Electronics, 2017, 49, 1.	3.3	0
3	Modelling of thermal effects and gain competition in Yb-doped large mode area photonic crystal fibers. , 2016, , .		0
4	Thermal effects and gain competition in Yb-doped large mode area fibers for high-power applications. , 2016, , .		0
5	Inner cladding influence on large mode area photonic crystal fiber properties under severe heat load. , 2016, , .		1
6	Full-vector modeling of thermally-driven gain competition in Yb-doped reduced symmetry photonic-crystal fiber. Optical and Quantum Electronics, 2016, 48, 1.	3.3	7
7	Analysis of the Modal Content Into Large-Mode-Area Photonic Crystal Fibers Under Heat Load. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 323-330.	2.9	26
8	Yb-doped large mode area fibers with reduced cladding symmetry. Proceedings of SPIE, 2015, , .	0.8	0
9	Large mode area aperiodic fiber designs for robust singlemode emission under high thermal load. , 2015, , .		2
10	Highly nonlinear chalcogenide suspended-core fibers for applications in the mid-infrared. Proceedings of SPIE, 2015, , .	0.8	0
11	Chalcogenide suspended-core fibers for supercontinuum generation in the mid-infrared. , 2015, , .		2
12	Dispersion Engineering of Highly Nonlinear Chalcogenide Suspended-Core Fibers. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	25
13	Thermal modeling of gain competition in Yb-doped large-mode-area photonic-crystal fiber amplifier. Optics Express, 2015, 23, 18638.	3.4	17
14	Single-Mode Propagation in Yb-Doped Large Mode Area Fibers With Reduced Cladding Symmetry. IEEE Photonics Technology Letters, 2014, 26, 2454-2457.	2.5	15
15	Modeling thermo-optic effect in large mode area double cladding photonic crystal fibers. International Journal of Modern Physics B, 2014, 28, 1442002.	2.0	8
16	Thermally resilient Tm-doped large mode area photonic crystal fiber with symmetry-free cladding. Optics Express, 2014, 22, 9707.	3.4	21
17	Confinement loss scaling law analysis in tube lattice fibers for terahertz applications. , 2014, , .		2
18	Bio-functionalized hollow core photonic crystal fibers for label-free DNA detection. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Thermo-optical effects in Tm-doped large mode area photonic crystal fibers. Proceedings of SPIE, 2014, , .	0.8	2
20	Design of double-cladding large mode area all-solid photonic bandgap fibers. Proceedings of SPIE, 2014, , .	0.8	1
21	Double-cladding photonic crystal fibers with reduced cladding symmetry for Tm-doped lasers. Proceedings of SPIE, 2014, , .	0.8	1
22	Thermo-optical effects in large mode area photonic crystal fibers. , 2014, , .		0
23	Symmetry-Free Tm-Doped Photonic Crystal Fiber With Enhanced Mode Area. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 544-550.	2.9	12
24	Laser scribing integration of polycrystalline thin film solar cells. Proceedings of SPIE, 2013, , .	0.8	1
25	Comparison of thermally-induced single-mode regime changes in Yb-doped large mode area photonic crystal fibers. , 2013, , .		2
26	Microstructured optical fiber Bragg grating sensor for DNA detection. Proceedings of SPIE, 2013, , .	0.8	1
27	Thermal effect-resilient design of large mode area double-cladding Yb-doped photonic crystal fibers. Proceedings of SPIE, 2013, , .	0.8	2
28	Enhanced thermal-effect resilience in distributed modal filtering large mode area photonic crystal fibers. , 2013, , .		0
29	Hybrid Ytterbium-doped large-mode-area photonic crystal fiber amplifier for long wavelengths. Optics Express, 2012, 20, 6010.	3.4	18
30	Thermal effects in Yb-doped double-cladding Distributed Modal Filtering rod-type fibers. , 2012, , .		0
31	Thermal-induced refractive index change effects on distributed modal filtering properties of rod-type photonic crystal fibers. , 2012, , .		1
32	Anti-symmetric hybrid photonic crystal fibers with enhanced filtering and bending properties. , 2012, , .		0
33	Avoided-crossing based modal cut-off analysis of 19-cell double-cladding photonic crystal fibers. Proceedings of SPIE, 2012, , .	0.8	1
34	Ytterbium-doped large-mode-area photonic crystal fiber amplifier with gain shaping for use at long wavelengths. Proceedings of SPIE, 2012, , .	0.8	0
35	Single-Mode Design Guidelines for 19-Cell Double-Cladding Photonic Crystal Fibers. Journal of Lightwave Technology, 2012, 30, 1909-1914.	4.6	9
36	Thermal Effects on the Single-Mode Regime of Distributed Modal Filtering Rod Fiber. Journal of Lightwave Technology, 2012, 30, 3494-3499.	4.6	37

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37	Bending properties of anti-symmetric hybrid photonic crystal fibers. , 2011, , .		0
38	Cut-off analysis of 19-cell Yb-doped double-cladding rod-type photonic crystal fibers. Optics Express, 2011, 19, 9896.	3.4	27
39	Long period grating-based fiber optic sensor for label-free DNA detection. , 2011, , .		3
40	Recent status and prospects of the EU-funded ALPINE project. Proceedings of SPIE, 2011, , .	0.8	1
41	Hybrid large mode area photonic crystal fiber for distributed spectral filtering and single-mode operation. Proceedings of SPIE, 2011, , .	0.8	0
42	Single-mode regime of 19-cell Yb-doped double-cladding photonic crystal fibers. , 2011, , .		1
43	Single-Mode regime of large mode area double cladding photonic crystal fibers. , 2011, , .		1
44	Effective area of a bent polarizing double-clad Yb-doped photonic crystal fiber. , 2011, , .		0
45	Double Tilted Fiber Bragg Grating for label-free DNA detection. , 2011, , .		1
46	Higher-order mode suppression in rod-type photonic crystal fibers with sectioned doping and enlarged core. , 2010, , .		0
47	Guiding properties of kagome-lattice hollow-core fibers. , 2010, , .		1
48	DNA recognition by peptide nucleic acid-modified PCFs: from models to real samples. , 2010, , .		1
49	Single-mode analysis of Yb-doped double-cladding distributed spectral filtering photonic crystal fibers. Optics Express, 2010, 18, 27197.	3.4	18
50	Toward A Highly Specific DNA Biosensor: PNA-Modified Suspended-Core Photonic Crystal Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 967-972.	2.9	72
51	Bending-induced single-mode behaviour of a polarizing double-clad Yb-doped photonic crystal fiber. , 2010, , .		2
52	Sensing through suspended solid core photonic crystal fiber. , 2009, , .		1
53	Air-suspended solid-core fibers for sensing. , 2009, , .		3