

# Enrico Coscelli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4854880/publications.pdf>

Version: 2024-02-01

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	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
2	Thermal Effects on the Single-Mode Regime of Distributed Modal Filtering Rod Fiber. Journal of Lightwave Technology, 2012, 30, 3494-3499.	4.6	37
3	Cut-off analysis of 19-cell Yb-doped double-cladding rod-type photonic crystal fibers. Optics Express, 2011, 19, 9896.	3.4	27
4	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
5	Dispersion Engineering of Highly Nonlinear Chalcogenide Suspended-Core Fibers. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	25
6	Thermally resilient Tm-doped large mode area photonic crystal fiber with symmetry-free cladding. Optics Express, 2014, 22, 9707.	3.4	21
7	Single-mode analysis of Yb-doped double-cladding distributed spectral filtering photonic crystal fibers. Optics Express, 2010, 18, 27197.	3.4	18
8	Hybrid Ytterbium-doped large-mode-area photonic crystal fiber amplifier for long wavelengths. Optics Express, 2012, 20, 6010.	3.4	18
9	Thermal modeling of gain competition in Yb-doped large-mode-area photonic-crystal fiber amplifier. Optics Express, 2015, 23, 18638.	3.4	17
10	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
11	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
12	Single-Mode Design Guidelines for 19-Cell Double-Cladding Photonic Crystal Fibers. Journal of Lightwave Technology, 2012, 30, 1909-1914.	4.6	9
13	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
14	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
15	Air-suspended solid-core fibers for sensing. , 2009, , .		3
16	Long period grating-based fiber optic sensor for label-free DNA detection. , 2011, , .		3
17	Bending-induced single-mode behaviour of a polarizing double-clad Yb-doped photonic crystal fiber. , 2010, , .		2
18	Comparison of thermally-induced single-mode regime changes in Yb-doped large mode area photonic crystal fibers. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Thermal effect-resilient design of large mode area double-cladding Yb-doped photonic crystal fibers. Proceedings of SPIE, 2013, , .	0.8	2
20	Confinement loss scaling law analysis in tube lattice fibers for terahertz applications. , 2014, , .		2
21	Thermo-optical effects in Tm-doped large mode area photonic crystal fibers. Proceedings of SPIE, 2014, , .	0.8	2
22	Large mode area aperiodic fiber designs for robust singlemode emission under high thermal load. , 2015, , .		2
23	Chalcogenide suspended-core fibers for supercontinuum generation in the mid-infrared. , 2015, , .		2
24	Sensing through suspended solid core photonic crystal fiber. , 2009, , .		1
25	Guiding properties of kagome-lattice hollow-core fibers. , 2010, , .		1
26	DNA recognition by peptide nucleic acid-modified PCFs: from models to real samples. , 2010, , .		1
27	Recent status and prospects of the EU-funded ALPINE project. Proceedings of SPIE, 2011, , .	0.8	1
28	Single-mode regime of 19-cell Yb-doped double-cladding photonic crystal fibers. , 2011, , .		1
29	Single-Mode regime of large mode area double cladding photonic crystal fibers. , 2011, , .		1
30	Double Tilted Fiber Bragg Grating for label-free DNA detection. , 2011, , .		1
31	Thermal-induced refractive index change effects on distributed modal filtering properties of rod-type photonic crystal fibers. , 2012, , .		1
32	Avoided-crossing based modal cut-off analysis of 19-cell double-cladding photonic crystal fibers. Proceedings of SPIE, 2012, , .	0.8	1
33	Laser scribing integration of polycrystalline thin film solar cells. Proceedings of SPIE, 2013, , .	0.8	1
34	Microstructured optical fiber Bragg grating sensor for DNA detection. Proceedings of SPIE, 2013, , .	0.8	1
35	Design of double-cladding large mode area all-solid photonic bandgap fibers. Proceedings of SPIE, 2014, , .	0.8	1
36	Double-cladding photonic crystal fibers with reduced cladding symmetry for Tm-doped lasers. Proceedings of SPIE, 2014, , .	0.8	1

#	ARTICLE	IF	CITATIONS
37	Inner cladding influence on large mode area photonic crystal fiber properties under severe heat load. , 2016, , .		1
38	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
39	Higher-order mode suppression in rod-type photonic crystal fibers with sectioned doping and enlarged core. , 2010, , .		0
40	Bending properties of anti-symmetric hybrid photonic crystal fibers. , 2011, , .		0
41	Hybrid large mode area photonic crystal fiber for distributed spectral filtering and single-mode operation. Proceedings of SPIE, 2011, , .	0.8	0
42	Effective area of a bent polarizing double-clad Yb-doped photonic crystal fiber. , 2011, , .		0
43	Thermal effects in Yb-doped double-cladding Distributed Modal Filtering rod-type fibers. , 2012, , .		0
44	Anti-symmetric hybrid photonic crystal fibers with enhanced filtering and bending properties. , 2012, , .		0
45	Ytterbium-doped large-mode-area photonic crystal fiber amplifier with gain shaping for use at long wavelengths. Proceedings of SPIE, 2012, , .	0.8	0
46	Enhanced thermal-effect resilience in distributed modal filtering large mode area photonic crystal fibers. , 2013, , .		0
47	Bio-functionalized hollow core photonic crystal fibers for label-free DNA detection. , 2014, , .		0
48	Thermo-optical effects in large mode area photonic crystal fibers. , 2014, , .		0
49	Yb-doped large mode area fibers with reduced cladding symmetry. Proceedings of SPIE, 2015, , .	0.8	0
50	Highly nonlinear chalcogenide suspended-core fibers for applications in the mid-infrared. Proceedings of SPIE, 2015, , .	0.8	0
51	Modelling of thermal effects and gain competition in Yb-doped large mode area photonic crystal fibers. , 2016, , .		0
52	Thermal effects and gain competition in Yb-doped large mode area fibers for high-power applications. , 2016, , .		0
53	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