

Francesca Intonti

List of Publications by Year in descending order

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48
papers

960
citations

430874

18
h-index

434195

31
g-index

48
all docs

48
docs citations

48
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Rewritable photonic circuits. Applied Physics Letters, 2006, 89, 211117.	3.3	118
2	Engineering of light confinement in strongly scattering disordered media. Nature Materials, 2014, 13, 720-725.	27.5	98
3	Quantum Mechanical Repulsion of Exciton Levels in a Disordered Quantum Well. Physical Review Letters, 2001, 87, 076801.	7.8	88
4	Spectral tuning and near-field imaging of photonic crystal microcavities. Physical Review B, 2008, 78, .	3.2	60
5	Magnetic Imaging in Photonic Crystal Microcavities. Physical Review Letters, 2010, 105, 123902.	7.8	52
6	Near-field optical spectroscopy of localized and delocalized excitons in a single GaAs quantum wire. Physical Review B, 2001, 63, .	3.2	47
7	Near-field imaging of coupled photonic-crystal microcavities. Applied Physics Letters, 2009, 94, 151103.	3.3	40
8	Generalized Fano lineshapes reveal exceptional points in photonic molecules. Nature Communications, 2018, 9, 396.	12.8	37
9	Tuning of photonic crystal cavities by controlled removal of locally infiltrated water. Applied Physics Letters, 2009, 95, 173112.	3.3	32
10	Local nanofluidic light sources in silicon photonic crystal microcavities. Physical Review E, 2008, 78, 045603.	2.1	31
11	Polarization-sensitive near-field investigation of photonic crystal microcavities. Applied Physics Letters, 2009, 94, 163102.	3.3	29
12	Ultra-subwavelength phase-sensitive Fano-imaging of localized photonic modes. Light: Science and Applications, 2015, 4, e326-e326.	16.6	29
13	Mode tuning of photonic crystal nanocavities by photoinduced non-thermal oxidation. Applied Physics Letters, 2012, 100, 033116.	3.3	27
14	Nanofluidic control of coupled photonic crystal resonators. Applied Physics Letters, 2010, 96, 141114.	3.3	24
15	Mode hybridization in photonic crystal molecules. Applied Physics Letters, 2010, 97, 063101.	3.3	23
16	Site-Controlled Single-Photon Emitters Fabricated by Near-Field Illumination. Advanced Materials, 2018, 30, e1705450.	21.0	23
17	Necklace State Hallmark in Disordered 2D Photonic Systems. ACS Photonics, 2015, 2, 1636-1643.	6.6	22
18	Near-Field Investigation of Luminescent Hyperuniform Disordered Materials. Advanced Optical Materials, 2022, 10, .	7.3	19

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19	Near-field optical imaging and spectroscopy of a coupled quantum wire-dot structure. <i>Physical Review B</i> , 2001, 64, .	3.2	18
20	Tailoring the Photon Hopping by Nearest-Neighbor and Next-Nearest-Neighbor Interaction in Photonic Arrays. <i>ACS Photonics</i> , 2015, 2, 565-571.	6.6	18
21	Non-Lorentzian Local Density of States in Coupled Photonic Crystal Cavities Probed by Near- and Far-Field Emission. <i>Physical Review Letters</i> , 2020, 124, 123902.	7.8	17
22	Nonlinear optical tuning of photonic crystal microcavities by near-field probe. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	16
23	Near-field autocorrelation spectroscopy of disordered semiconductor quantum wells. <i>Physical Review B</i> , 2004, 69, .	3.2	14
24	Deep-subwavelength imaging of both electric and magnetic localized optical fields by plasmonic campanile nanoantenna. <i>Scientific Reports</i> , 2015, 5, 9606.	3.3	14
25	Engineering the mode parity of the ground state in photonic crystal molecules. <i>Optics Express</i> , 2014, 22, 4953.	3.4	12
26	Near-Field Imaging of Magnetic Complex Mode Volume. <i>ACS Photonics</i> , 2021, 8, 1258-1263.	6.6	11
27	Nano-sized light emitting diodes by near field laser exposure. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	7
28	Near-field speckle imaging of light localization in disordered photonic systems. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	7
29	Near-Field Fano-Imaging of TE and TM Modes in Silicon Microrings. <i>ACS Photonics</i> , 2015, 2, 1712-1718.	6.6	6
30	Mechanical and Electric Control of Photonic Modes in Random Dielectrics. <i>Advanced Materials</i> , 2019, 31, 1807274.	21.0	6
31	Multimode photonic molecules for advanced force sensing. <i>Optics Express</i> , 2019, 27, 37579.	3.4	5
32	Spatial steadiness of individual disorder modes upon controlled spectral tuning. <i>APL Photonics</i> , 2016, 1, 041301.	5.7	3
33	Publisher's Note: Magnetic Imaging in Photonic Crystal Microcavities [<i>Phys. Rev. Lett.</i> 105 (2010) 123902 (2010)]. <i>Physical Review Letters</i> , 2010, 105, .	7.8	2
34	Coupled Photonic Crystal Nanocavities as a Tool to Tailor and Control Photon Emission. <i>Ceramics</i> , 2019, 2, 34-55.	2.6	2
35	Near-field spectroscopy of a coupled wire-dot nanostructure grown on (311)A GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 91-92, 105-114.	3.5	1
36	Quantum mechanical repulsion of exciton levels in a disordered quantum well evidenced by near-field spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 178-181.	2.7	1

#	ARTICLE	IF	CITATIONS
37	Simultaneous near field imaging of electric and magnetic field in photonic crystal nanocavities. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 251-255.	2.0	1
38	Light propagation in tunable photonic materials. , 2006, , ThB1.		0
39	Sub-wavelength probing and modification of photonic crystal nano-cavities. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 78-85.	2.0	0
40	Tunable homo- and hetero-atomic photonic molecules. , 2010, , .		0
41	Ideal homoatomic and heteroatomic photonic crystal molecules. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 271-275.	2.0	0
42	Coupling of semiconductor carbon nanotubes emission with silicon photonic micro ring resonators. , 2016, , .		0
43	Integration of carbon nanotubes on silicon photonics resonators. , 2017, , .		0
44	Quantum Dots: Site-Controlled Single-Photon Emitters Fabricated by Near-Field Illumination (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	0
45	Dielectrics: Mechanical and Electric Control of Photonic Modes in Random Dielectrics (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	0
46	Tuning and imaging random photonic modes. , 2015, , .		0
47	Near-field optical spectroscopy of CsPbBr3 microstructures. , 2018, , .		0
48	Spatially Selective Hydrogen Irradiation/Removal of Dilute Nitrides: A Versatile Nanofabrication Tool for Photonic Applications. , 2019, , .		0