

Marco Francardi

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,379
citations

279701

23
h-index

330025

37
g-index

58
all docs

58
docs citations

58
times ranked

1984
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-electron nanoscopy using adiabatic compression of surface plasmons. <i>Nature Nanotechnology</i> , 2013, 8, 845-852.	15.6	239
2	SERS analysis on exosomes using super-hydrophobic surfaces. <i>Microelectronic Engineering</i> , 2012, 97, 337-340.	1.1	68
3	Spectral tuning and near-field imaging of photonic crystal microcavities. <i>Physical Review B</i> , 2008, 78, .	1.1	60
4	Magnetic Imaging in Photonic Crystal Microcavities. <i>Physical Review Letters</i> , 2010, 105, 123902.	2.9	52
5	Selective on site separation and detection of molecules in diluted solutions with super-hydrophobic clusters of plasmonic nanoparticles. <i>Nanoscale</i> , 2014, 6, 8208-8225.	2.8	48
6	Local tuning of photonic crystal nanocavity modes by laser-assisted oxidation. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	45
7	Raman database of amino acids solutions: a critical study of Extended Multiplicative Signal Correction. <i>Analyst, The</i> , 2013, 138, 7331.	1.7	45
8	Electroless Deposition and Nanolithography Can Control the Formation of Materials at the Nano-Scale for Plasmonic Applications. <i>Sensors</i> , 2014, 14, 6056-6083.	2.1	44
9	Enhanced spontaneous emission in a photonic-crystal light-emitting diode. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	42
10	Multi-scheme approach for efficient surface plasmon polariton generation in metallic conical tips on AFM-based cantilevers. <i>Optics Express</i> , 2011, 19, 22268.	1.7	42
11	Fabrication of Site- Controlled Quantum Dots by Spatially Selective Incorporation of Hydrogen in Ga(AsN)/GaAs Heterostructures. <i>Advanced Materials</i> , 2011, 23, 2706-2710.	11.1	41
12	Near-field imaging of coupled photonic-crystal microcavities. <i>Applied Physics Letters</i> , 2009, 94, 151103.	1.5	40
13	Enhanced spontaneous emission rate from single InAs quantum dots in a photonic crystal nanocavity at telecom wavelengths. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	38
14	Tuning of photonic crystal cavities by controlled removal of locally infiltrated water. <i>Applied Physics Letters</i> , 2009, 95, 173112.	1.5	32
15	A microfluidic device integrating plasmonic nanodevices for Raman spectroscopy analysis on trapped single living cells. <i>Microelectronic Engineering</i> , 2013, 111, 314-319.	1.1	32
16	Protein- Carbohydrate Complex Reveals Circulating Metastatic Cells in a Microfluidic Assay. <i>Small</i> , 2013, 9, 2152-2161.	5.2	32
17	A facile in situ microfluidic method for creating multivalent surfaces: toward functional glycomics. <i>Lab on A Chip</i> , 2012, 12, 1500.	3.1	30
18	Polarization-sensitive near-field investigation of photonic crystal microcavities. <i>Applied Physics Letters</i> , 2009, 94, 163102.	1.5	29

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19	Local infiltration of planar photonic crystals with UV-curable polymers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1562.	0.9	28
20	Mode tuning of photonic crystal nanocavities by photoinduced non-thermal oxidation. Applied Physics Letters, 2012, 100, 033116.	1.5	27
21	Spherical polymeric nanoconstructs for combined chemotherapeutic and anti-inflammatory therapies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2139-2147.	1.7	27
22	Photolithography and micromolding techniques for the realization of 3D polycaprolactone scaffolds for tissue engineering applications. Microelectronic Engineering, 2015, 141, 135-139.	1.1	26
23	Improvement of the therapeutic treatment of inflammatory bowel diseases following rectal administration of mesalazine-loaded chitosan microparticles vs Asamax [®] . Carbohydrate Polymers, 2019, 212, 430-438.	5.1	25
24	Nanofluidic control of coupled photonic crystal resonators. Applied Physics Letters, 2010, 96, 141114.	1.5	24
25	Mode hybridization in photonic crystal molecules. Applied Physics Letters, 2010, 97, 063101.	1.5	23
26	Young's Type Interference for Probing the Mode Symmetry in Photonic Structures. Physical Review Letters, 2011, 106, 143901.	2.9	23
27	Tuning core hydrophobicity of spherical polymeric nanoconstructs for docetaxel delivery. Polymer International, 2016, 65, 741-746.	1.6	22
28	Non periodic patterning of super-hydrophobic surfaces for the manipulation of few molecules. Microelectronic Engineering, 2013, 111, 272-276.	1.1	21
29	Plasmonic 3D-structures based on silver decorated nanotips for biological sensing. Optics and Lasers in Engineering, 2016, 76, 45-51.	2.0	20
30	Light polarization control in strain-engineered GaAsN/GaAsN:H heterostructures. Applied Physics Letters, 2009, 94, 261905.	1.5	19
31	Post-fabrication control of evanescent tunnelling in photonic crystal molecules. Applied Physics Letters, 2012, 101, 211108.	1.5	17
32	Nonlinear optical tuning of photonic crystal microcavities by near-field probe. Applied Physics Letters, 2008, 93, .	1.5	16
33	Effect of hydrogen incorporation temperature in plane-engineered GaAsN [*] GaAsN:H heterostructures. Applied Physics Letters, 2008, 92, 221901.	1.5	14
34	Telecom-wavelength single-photon sources for quantum communications. Journal of Physics Condensed Matter, 2007, 19, 225005.	0.7	10
35	Nanoscale Tailoring of the Polarization Properties of Dilute-Nitride Semiconductors via H-Assisted Strain Engineering. Physical Review Applied, 2014, 2, .	1.5	10
36	Electroless deposition of metal nanoparticle clusters: Effect of pattern distance. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, 031804.	0.6	10

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37	Quantitative micro-Raman analysis of micro-particles in drug delivery. <i>Nanoscale Advances</i> , 2019, 1, 1541-1552.	2.2	9
38	Optimization of surface plasmon polariton generation in a nanocone through linearly polarized laser beams. <i>Microelectronic Engineering</i> , 2012, 97, 204-207.	1.1	8
39	AFM characterization of biomolecules in physiological environment by an advanced nanofabricated probe. <i>Microscopy Research and Technique</i> , 2012, 75, 1723-1731.	1.2	7
40	Directly nanopatternable nanoporous titania " Application to cell growth engineering. <i>Microelectronic Engineering</i> , 2016, 155, 102-106.	1.1	6
41	Fabrication and characterization of point defect photonic crystal nanocavities at telecom wavelength. <i>Microelectronic Engineering</i> , 2007, 84, 1480-1483.	1.1	5
42	Near-field mapping of quantum dot emission from single-photonic crystal cavity modes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1965-1967.	1.3	5
43	Cavity-enhanced photonic crystal light-emitting diode at 1300 nm. <i>Microelectronic Engineering</i> , 2009, 86, 1093-1095.	1.1	4
44	Towards a LED based on a photonic crystal nanocavity for single photon sources at telecom wavelength. <i>Microelectronic Engineering</i> , 2008, 85, 1162-1165.	1.1	3
45	Magnetic dot clusters for application in magneto-electronics. <i>Microelectronic Engineering</i> , 2010, 87, 1614-1616.	1.1	3
46	Publisher's Note: Magnetic Imaging in Photonic Crystal Microcavities [<i>Phys. Rev. Lett.</i> 105 , 123902 (2010)]. <i>Physical Review Letters</i> , 2010, 105, .	2.9	2
47	Preliminary results on an innovative plasmonic device for macromolecules analysis and sequencing. <i>Microelectronic Engineering</i> , 2013, 111, 360-364.	1.1	2
48	Experimental mapping of the spatial and angular emission patterns in photonic crystal microcavities. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1148-1150.	1.3	1
49	Simultaneous near field imaging of electric and magnetic field in photonic crystal nanocavities. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 251-255.	1.0	1
50	Novel Plasmonic Probes and Smart Superhydrophobic Devices, New Tools for Forthcoming Spectroscopies at the Nanoscale. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2015, , 209-235.	0.2	1
51	The use of scanning electron microscopy and energy dispersive X-ray spectroscopy in a case of occupational death. <i>Medico-Legal Journal</i> , 2020, 88, 163-168.	0.2	1
52	Sub-wavelength probing and modification of photonic crystal nano-cavities. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 78-85.	1.0	0
53	Tunable homo- and hetero-atomic photonic molecules. , 2010, , .		0
54	Ideal homoatomic and heteroatomic photonic crystal molecules. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 271-275.	1.0	0

#	ARTICLE	IF	CITATIONS
55	From single molecule to suspended DNA nanowires. Materials Today, 2015, 18, 238-239.	8.3	0
56	Controlling Energy and Charge Environment of Single Excitons in a Photonic-Crystal Diode. , 2009, , .		0
57	HMD quality evaluation of projected image: hardware assessment and software evaluation for distortions correction. , 2018, , .		0
58	Characterisation and optimisation of Volume Holographic Optical Elements (VHOEs) in AR combiners for ghost reduction. , 2018, , .		0