

Marco Francardi

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,379
citations

279798

23
h-index

330143

37
g-index

58
all docs

58
docs citations

58
times ranked

1984
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.5	1
2	Quantitative micro-Raman analysis of micro-particles in drug delivery. <i>Nanoscale Advances</i> , 2019, 1, 1541-1552.	4.6	9
3	Improvement of the therapeutic treatment of inflammatory bowel diseases following rectal administration of mesalazine-loaded chitosan microparticles vs Asamax [®] . <i>Carbohydrate Polymers</i> , 2019, 212, 430-438.	10.2	25
4	HMD quality evaluation of projected image: hardware assessment and software evaluation for distortions correction. , 2018, , .		0
5	Characterisation and optimisation of Volume Holographic Optical Elements (VHOEs) in AR combiners for ghost reduction. , 2018, , .		0
6	Tuning core hydrophobicity of spherical polymeric nanoconstructs for docetaxel delivery. <i>Polymer International</i> , 2016, 65, 741-746.	3.1	22
7	Spherical polymeric nanoconstructs for combined chemotherapeutic and anti-inflammatory therapies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2139-2147.	3.3	27
8	Directly nanopatternable nanoporous titania “ Application to cell growth engineering. <i>Microelectronic Engineering</i> , 2016, 155, 102-106.	2.4	6
9	Plasmonic 3D-structures based on silver decorated nanotips for biological sensing. <i>Optics and Lasers in Engineering</i> , 2016, 76, 45-51.	3.8	20
10	Photolithography and micromolding techniques for the realization of 3D polycaprolactone scaffolds for tissue engineering applications. <i>Microelectronic Engineering</i> , 2015, 141, 135-139.	2.4	26
11	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.	0.3	1
12	From single molecule to suspended DNA nanowires. <i>Materials Today</i> , 2015, 18, 238-239.	14.2	0
13	Nanoscale Tailoring of the Polarization Properties of Dilute-Nitride Semiconductors via H-Assisted Strain Engineering. <i>Physical Review Applied</i> , 2014, 2, .	3.8	10
14	Electroless Deposition and Nanolithography Can Control the Formation of Materials at the Nano-Scale for Plasmonic Applications. <i>Sensors</i> , 2014, 14, 6056-6083.	3.8	44
15	Electroless deposition of metal nanoparticle clusters: Effect of pattern distance. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, 031804.	1.2	10
16	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.	5.6	48
17	Preliminary results on an innovative plasmonic device for macromolecules analysis and sequencing. <i>Microelectronic Engineering</i> , 2013, 111, 360-364.	2.4	2
18	Hot-electron nanoscopy using adiabatic compression of surface plasmons. <i>Nature Nanotechnology</i> , 2013, 8, 845-852.	31.5	239

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19	Raman database of amino acids solutions: a critical study of Extended Multiplicative Signal Correction. <i>Analyst</i> , The, 2013, 138, 7331.	3.5	45
20	Non periodic patterning of super-hydrophobic surfaces for the manipulation of few molecules. <i>Microelectronic Engineering</i> , 2013, 111, 272-276.	2.4	21
21	A microfluidic device integrating plasmonic nanodevices for Raman spectroscopy analysis on trapped single living cells. <i>Microelectronic Engineering</i> , 2013, 111, 314-319.	2.4	32
22	Proteinâ€“Carbohydrate Complex Reveals Circulating Metastatic Cells in a Microfluidic Assay. <i>Small</i> , 2013, 9, 2152-2161.	10.0	32
23	Post-fabrication control of evanescent tunnelling in photonic crystal molecules. <i>Applied Physics Letters</i> , 2012, 101, 211108.	3.3	17
24	Mode tuning of photonic crystal nanocavities by photoinduced non-thermal oxidation. <i>Applied Physics Letters</i> , 2012, 100, 033116.	3.3	27
25	Optimization of surface plasmon polariton generation in a nanocone through linearly polarized laser beams. <i>Microelectronic Engineering</i> , 2012, 97, 204-207.	2.4	8
26	SERS analysis on exosomes using super-hydrophobic surfaces. <i>Microelectronic Engineering</i> , 2012, 97, 337-340.	2.4	68
27	AFM characterization of biomolecules in physiological environment by an advanced nanofabricated probe. <i>Microscopy Research and Technique</i> , 2012, 75, 1723-1731.	2.2	7
28	A facile in situ microfluidic method for creating multivalent surfaces: toward functional glycomics. <i>Lab on A Chip</i> , 2012, 12, 1500.	6.0	30
29	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.	2.0	1
30	Ideal homoatomic and heteroatomic photonic crystal molecules. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 271-275.	2.0	0
31	Youngâ€™s Type Interference for Probing the Mode Symmetry in Photonic Structures. <i>Physical Review Letters</i> , 2011, 106, 143901.	7.8	23
32	Multi-scheme approach for efficient surface plasmon polariton generation in metallic conical tips on AFM-based cantilevers. <i>Optics Express</i> , 2011, 19, 22268.	3.4	42
33	Fabrication of Siteâ€“Controlled Quantum Dots by Spatially Selective Incorporation of Hydrogen in Ga(AsN)/GaAs Heterostructures. <i>Advanced Materials</i> , 2011, 23, 2706-2710.	21.0	41
34	Magnetic dot clusters for application in magneto-electronics. <i>Microelectronic Engineering</i> , 2010, 87, 1614-1616.	2.4	3
35	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.	2.7	1
36	Sub-wavelength probing and modification of photonic crystal nano-cavities. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 78-85.	2.0	0

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37	Nanofluidic control of coupled photonic crystal resonators. <i>Applied Physics Letters</i> , 2010, 96, 141114.	3.3	24
38	Publisher's Note: Magnetic Imaging in Photonic Crystal Microcavities [<i>Phys. Rev. Lett.</i> 105, 123902 (2010)]. <i>Physical Review Letters</i> , 2010, 105, .	7.8	2
39	Mode hybridization in photonic crystal molecules. <i>Applied Physics Letters</i> , 2010, 97, 063101.	3.3	23
40	Magnetic Imaging in Photonic Crystal Microcavities. <i>Physical Review Letters</i> , 2010, 105, 123902.	7.8	52
41	Tunable homo- and hetero-atomic photonic molecules. , 2010, , .		0
42	Light polarization control in strain-engineered GaAsN/GaAsN:H heterostructures. <i>Applied Physics Letters</i> , 2009, 94, 261905.	3.3	19
43	Near-field imaging of coupled photonic-crystal microcavities. <i>Applied Physics Letters</i> , 2009, 94, 151103.	3.3	40
44	Tuning of photonic crystal cavities by controlled removal of locally infiltrated water. <i>Applied Physics Letters</i> , 2009, 95, 173112.	3.3	32
45	Cavity-enhanced photonic crystal light-emitting diode at 1300 nm. <i>Microelectronic Engineering</i> , 2009, 86, 1093-1095.	2.4	4
46	Local tuning of photonic crystal nanocavity modes by laser-assisted oxidation. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	45
47	Polarization-sensitive near-field investigation of photonic crystal microcavities. <i>Applied Physics Letters</i> , 2009, 94, 163102.	3.3	29
48	Controlling Energy and Charge Environment of Single Excitons in a Photonic-Crystal Diode. , 2009, , .		0
49	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.	2.7	5
50	Towards a LED based on a photonic crystal nanocavity for single photon sources at telecom wavelength. <i>Microelectronic Engineering</i> , 2008, 85, 1162-1165.	2.4	3
51	Nonlinear optical tuning of photonic crystal microcavities by near-field probe. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	16
52	Local infiltration of planar photonic crystals with UV-curable polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1562.	2.1	28
53	Effect of hydrogen incorporation temperature in plane-engineered GaAsN ^x /GaAsN:H heterostructures. <i>Applied Physics Letters</i> , 2008, 92, 221901.	3.3	14
54	Enhanced spontaneous emission in a photonic-crystal light-emitting diode. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	42

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55	Spectral tuning and near-field imaging of photonic crystal microcavities. Physical Review B, 2008, 78, .	3.2	60
56	Telecom-wavelength single-photon sources for quantum communications. Journal of Physics Condensed Matter, 2007, 19, 225005.	1.8	10
57	Enhanced spontaneous emission rate from single InAs quantum dots in a photonic crystal nanocavity at telecom wavelengths. Applied Physics Letters, 2007, 91, .	3.3	38
58	Fabrication and characterization of point defect photonic crystal nanocavities at telecom wavelength. Microelectronic Engineering, 2007, 84, 1480-1483.	2.4	5