Tiziana Stomeo

List of Publications by Year in descending order

51 papers	776 citations	471371 17 h-index	526166 27 g-index
51 all docs	51 docs citations	51 times ranked	826 citing authors

#	Article	IF	Citations
1	Design of vanadium-dioxide-based resonant structures for tunable optical response. Optics Letters, 2022, 47, 2286.	1.7	4
2	Tuning the optical response of a dielectric grating using vanadium-dioxide as a phase-change material. , 2021, , .		0
3	Plasmonic Nanostructures on Curved Surfaces for Fiber-Based Sensors. , 2020, , .		1
4	Assessment of On-chip Wireless Communication Networks Based on Integrated Dielectric Antennas. , 2020, , .		1
5	Thermal Tuning of Resonant Gratings Using a Phase-Change Material. , 2020, , .		0
6	Synthesis of photoswitchable submicroparticles and their evaluation as ion-imprinted polymers for Pd(II) uptake. Polymer Journal, 2020, 52, 743-754.	1.3	6
7	High transmission from 2D periodic plasmonic finite arrays with sub-20 nm gaps realized with Ga focused ion beam milling. Nanotechnology, 2020, 31, 435301.	1.3	11
8	Label-free biomechanical nanosensor based on LSPR for biological applications. Optical Materials Express, 2020, 10, 1264.	1.6	4
9	Optical Properties of Finite Subsets of FIB-Milled 2D Periodic Arrays of Gold Nanoplatelets with Sub-20-nm Gaps. , 2020, , .		0
10	Segmented-Wave Analysis of Nano-Gratings on Curved Surfaces. , 2020, , .		0
11	Graphene-Based Cylindrical Pillar Gratings for Polarization-Insensitive Optical Absorbers. Applied Sciences (Switzerland), 2019, 9, 2528.	1.3	11
12	2D Dielectric Nanoimprinted PMMA Pillars on Metallo-Dielectric Films. Applied Sciences (Switzerland), 2019, 9, 3812.	1.3	6
13	Dielectric and Plasmonic Vivaldi Antennas for On-Chip Wireless Communication. , 2019, , .		7
14	Graphene-based perfect optical absorbers harnessing guided mode resonances. Optics Express, 2015, 23, 21032.	1.7	91
15	Graphene-based absorber exploiting guided mode resonances in one-dimensional gratings. Optics Express, 2014, 22, 31511.	1.7	110
16	2D plasmonic gold nano-patches for linear and nonlinear applications. Microelectronic Engineering, 2013, 111, 234-237.	1.1	3
17	Fabrication of doubly resonant plasmonic nanopatch arrays on graphene. Applied Physics Letters, 2013, 102, 231111.	1.5	19
18	Color control through plasmonic metal gratings. Applied Physics Letters, 2012, 100, .	1.5	28

#	Article	IF	Citations
19	Experimental surface-enhanced Raman scattering response of two-dimensional finite arrays of gold nanopatches. Applied Physics Letters, 2012, 101, .	1.5	21
20	Silicon nitride photonic crystal nanocavities for biochip applications. , 2011, , .		2
21	Experimental demonstration of a novel bioâ€'sensing platform via plasmonic band gap formation in gold nanoâ€'patch arrays. Optics Express, 2011, 19, 21385.	1.7	36
22	Single colloidal quantum dots as sources of single photons for quantum cryptography. Proceedings of SPIE, 2011, , .	0.8	1
23	Optical filter based on a coupled bilayer photonic crystal. Microelectronic Engineering, 2011, 88, 2771-2774.	1.1	0
24	Emission control of colloidal nanocrystals embedded in Si3N4 photonic crystal H1 nanocavities. Microelectronic Engineering, 2010, 87, 1435-1438.	1.1	23
25	Parallel and high sensitive photonic crystal cavity assisted read-out for DNA-chips. Microelectronic Engineering, 2010, 87, 747-749.	1.1	5
26	Room temperature single-photon sources based on single colloidal nanocrystals in microcavities. Superlattices and Microstructures, 2010, 47, 187-191.	1.4	5
27	Spectral tagging by integrated photonic crystal resonators for highly sensitive and parallel detection in biochips. Applied Physics Letters, 2010, 96, .	1.5	16
28	Optical filter based on two coupled PhC GaAs-membranes. Optics Letters, 2010, 35, 411.	1.7	27
29	High-Purcell-factor dipolelike modes at visible wavelengths in H1 photonic crystal cavity. Optics Letters, 2010, 35, 1509.	1.7	19
30	Nonclassical emission from single colloidal nanocrystals in a microcavity: a route towards room temperature single photon sources. New Journal of Physics, 2009, 11, 033025.	1.2	29
31	Multicolored devices fabricated by direct lithography of colloidal nanocrystals. Microelectronic Engineering, 2009, 86, 1127-1130.	1.1	13
32	FEM Design and Modeling of $chi^{(2)} $ Second-Harmonic Enhancement in Circular Photonic Crystal. Journal of Lightwave Technology, 2009, 27, 4262-4268.	2.7	2
33	Nanophotonic Polarization Diversity Demultiplexer Chip. Journal of Lightwave Technology, 2009, 27, 417-425.	2.7	34
34	Design and modeling of Ï‡⁽²⁾second harmonic amplification in circular photonic crystal. Proceedings of SPIE, 2009, , .	0.8	0
35	Efficient Polarization Diversity Grating Couplers in Bonded InP-Membrane. IEEE Photonics Technology Letters, 2008, 20, 318-320.	1.3	26
36	Integration of grating couplers with a compact photonic crystal demultiplexer on an InP membrane. Optics Letters, 2008, 33, 884.	1.7	18

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37	3-D FEM Modeling and Fabrication of Circular Photonic Crystal Microcavity. Journal of Lightwave Technology, 2008, 26, 2960-2968.	2.7	32
38	Quantum dot nano-cavity emission tuned by a circular photonic crystal lattice. Microelectronic Engineering, 2007, 84, 1570-1573.	1.1	3
39	Fabrication of force sensors based on two-dimensional photonic crystal technology. Microelectronic Engineering, 2007, 84, 1450-1453.	1.1	49
40	High resolution pixel definition in hybrid microcavities. Microelectronic Engineering, 2007, 84, 1305-1307.	1.1	0
41	Fabrication of disordered photonic crystal structures for organic random lasing devices. Microelectronic Engineering, 2007, 84, 1581-1584.	1.1	6
42	Lithographic nano-patterning of colloidal nanocrystal emitters for the fabrication of waveguide photonic devices. Sensors and Actuators B: Chemical, 2007, 126, 116-119.	4.0	15
43	Nanopositioning of colloidal nanocrystal emitters by means of photolithography and e-beam lithography. Physica Status Solidi (B): Basic Research, 2006, 243, 3972-3975.	0.7	10
44	Design and fabrication of active and passive photonic crystal resonators. Microelectronic Engineering, 2006, 83, 1823-1825.	1.1	15
45	Nanopatterning of colloidal nanocrystals emitters dispersed in a PMMA matrix by e-beam lithography. Microelectronic Engineering, 2006, 83, 1478-1481.	1.1	27
46	Tailoring the emission spectrum of colloidal nanocrystals by means of lithographically-imprinted hybrid vertical microcavities. , 2005, 5840, 168.		2
47	Fabrication of high efficiency compact 90Â° bend waveguide by using a dielectric 2D-PC structure. , 2005, , .		0
48	Silica glass bend waveguide assisted by two-dimensional photonic crystals. Optical and Quantum Electronics, 2005, 37, 229-239.	1.5	3
49	Planar organic photonic crystals fabricated by soft lithography. Nanotechnology, 2004, 15, 766-770.	1.3	23
50	Fast nanopatterning of two-dimensional photonic crystals by electron beam lithography. Superlattices and Microstructures, 2004, 36, 265-270.	1.4	11
51	Advances in Resist Materials and Processing Technology: Photonic Devices Fabricated by Direct Lithography of Resist/Colloidal Nanocrystals Blend. , 0, , .		1