

# Marco Grande

## List of Publications by Year in descending order

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67  
papers

1,077  
citations

393982

19  
h-index

433756

31  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonics on a Neural Implant: Engineering Light-Matter Interactions on the Nonplanar Surface of Tapered Optical Fibers. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
2	Holographic Manipulation of Nanostructured Fiber Optics Enables Spatially-Resolved, Reconfigurable Optical Control of Plasmonic Local Field Enhancement and SERS. <i>Small</i> , 2022, 18, e2200975.	5.2	3
3	Plasmonic brain implants for the next generation of nano-optical neural interfaces. , 2022, , .		0
4	3D Printed Micro-Cells for Phase Control in 5G mmWave Applications. <i>IEEE Access</i> , 2021, 9, 46049-46060.	2.6	2
5	Multifunctional and reconfigurable graphene/liquid crystal-assisted asymmetrical Fabry-Pérot cavity for reflected light control. <i>Optics Express</i> , 2021, 29, 27816.	1.7	4
6	Rapid Prototyping of Bio-Inspired Dielectric Resonator Antennas for Sub-6 GHz Applications. <i>Micromachines</i> , 2021, 12, 1046.	1.4	5
7	Tuning of Graphene-Based Optical Devices Operating in the Near-Infrared. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8367.	1.3	12
8	Plasmonic Nanostructures on Curved Surfaces for Fiber-Based Sensors. , 2020, , .		1
9	Extraordinary low sheet resistance of CVD graphene by thionyl chloride chemical doping. <i>Carbon</i> , 2020, 170, 75-84.	5.4	32
10	Thermal Tuning of Resonant Gratings Using a Phase-Change Material. , 2020, , .		0
11	Bio-Inspired Dielectric Resonator Antenna for Wideband Sub-6 GHz Range. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8826.	1.3	7
12	Design and Manufacturing of Super-Shaped Dielectric Resonator Antennas for 5G Applications Using Stereolithography. <i>IEEE Access</i> , 2020, 8, 82929-82937.	2.6	22
13	High transmission from 2D periodic plasmonic finite arrays with sub-20 nm gaps realized with Ga focused ion beam milling. <i>Nanotechnology</i> , 2020, 31, 435301.	1.3	11
14	Optical Properties of Finite Subsets of FIB-Milled 2D Periodic Arrays of Gold Nanoplatelets with Sub-20-nm Gaps. , 2020, , .		0
15	Segmented-Wave Analysis of Nano-Gratings on Curved Surfaces. , 2020, , .		0
16	Graphene-Based Cylindrical Pillar Gratings for Polarization-Insensitive Optical Absorbers. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2528.	1.3	11
17	2D Dielectric Nanoimprinted PMMA Pillars on Metallo-Dielectric Films. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3812.	1.3	6
18	Gain and phase control in a graphene-loaded reconfigurable antenna. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	14

#	ARTICLE	IF	CITATIONS
19	Towards Portable Nanophotonic Sensors. <i>Sensors</i> , 2019, 19, 1715.	2.1	15
20	Reconfigurable and optically transparent microwave absorbers based on deep eutectic solvent-gated graphene. <i>Scientific Reports</i> , 2019, 9, 5463.	1.6	22
21	CMOS Nanophotonic Sensor With Integrated Readout System. <i>IEEE Sensors Journal</i> , 2018, 18, 9188-9194.	2.4	8
22	Amplitude and phase modulation in microwave ring resonators by doped CVD graphene. <i>Nanotechnology</i> , 2018, 29, 325201.	1.3	7
23	Optically transparent wideband CVD graphene-based microwave antennas. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	28
24	Optical trapping in 1D mesoscopic photonic crystal microcavities. , 2018, , .		0
25	1D silicon nitride grating refractive index sensor suitable for integration with CMOS detectors. <i>IEEE Photonics Journal</i> , 2017, , 1-1.	1.0	16
26	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. <i>Optics Express</i> , 2017, 25, 28288.	1.7	7
27	Optically transparent microwave screens based on engineered graphene layers. <i>Optics Express</i> , 2016, 24, 22788.	1.7	55
28	Tuning Fano resonances of graphene-based gratings. , 2016, , .		0
29	Control of Q-factor in nanobeam cavities on substrate. , 2016, , .		4
30	Tuning infrared guided-mode resonances with graphene. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 426.	0.9	24
31	Control of Fano resonances in graphene-based gratings at telecom wavelengths. , 2016, , .		0
32	Optically Transparent Microwave Polarizer Based On Quasi-Metallic Graphene. <i>Scientific Reports</i> , 2015, 5, 17083.	1.6	37
33	Optically transparent graphene-based Salisbury screen microwave absorber. , 2015, , .		3
34	Graphene-based perfect optical absorbers harnessing guided mode resonances. <i>Optics Express</i> , 2015, 23, 21032.	1.7	91
35	Graphene-based absorber exploiting guided mode resonances in one-dimensional gratings. <i>Optics Express</i> , 2014, 22, 31511.	1.7	110
36	Stable planar mesoscopic photonic crystal cavities. <i>Optics Letters</i> , 2014, 39, 4223.	1.7	10

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37	Tailoring Absorption in Metal Gratings with Resonant Ultrathin Bridges. <i>Plasmonics</i> , 2013, 8, 1445-1456.	1.8	6
38	2D plasmonic gold nano-patches for linear and nonlinear applications. <i>Microelectronic Engineering</i> , 2013, 111, 234-237.	1.1	3
39	Asymmetric hybrid double dielectric loaded plasmonic waveguides for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 148-155.	4.0	16
40	Nonlinear control of absorption in one-dimensional photonic crystal with graphene-based defect. <i>Optics Letters</i> , 2013, 38, 3550.	1.7	93
41	Emission and Transmission Properties of a Doubly Resonant 3D Nanodisk Yagi-Uda Antenna for Wireless Optical Communications. <i>Plasmonics</i> , 2013, 8, 173-183.	1.8	2
42	Numerical analysis of the coupling mechanism in long-range plasmonic couplers at 155 nm. <i>Optics Letters</i> , 2013, 38, 46.	1.7	14
43	Gold strip gratings with binary supercell. <i>Optics Letters</i> , 2013, 38, 2904.	1.7	0
44	Fabrication of doubly resonant plasmonic nanopatch arrays on graphene. <i>Applied Physics Letters</i> , 2013, 102, 231111.	1.5	19
45	Photonic band gap active waveguide filters based on dilute nitrides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 567-572.	0.8	4
46	Novel Plasmonic Bio-Sensing System Based on Two-Dimensional Gold Patch Arrays for Linear and Nonlinear Regimes. <i>Advances in Science and Technology</i> , 2012, 81, 15-19.	0.2	0
47	High-efficient ultra-short vertical long-range plasmonic couplers. <i>Journal of Nanophotonics</i> , 2012, 6, 061609.	0.4	4
48	Localized surface plasmon resonances in gold nano-patches on a gallium nitride substrate. <i>Nanotechnology</i> , 2012, 23, 455709.	1.3	5
49	Color control through plasmonic metal gratings. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	28
50	Experimental surface-enhanced Raman scattering response of two-dimensional finite arrays of gold nanopatches. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	21
51	Plasmonic Bandgaps in 1D Arrays of Slits on Metal Layers Excited by Out-of-Plane Sources. <i>International Journal of Optics</i> , 2012, 2012, 1-12.	0.6	8
52	HIGH-Q PHOTONIC CRYSTAL NANOBEAM CAVITY BASED ON A SILICON NITRIDE MEMBRANE INCORPORATING FABRICATION IMPERFECTIONS AND A LOW-INDEX MATERIAL LAYER. <i>Progress in Electromagnetics Research B</i> , 2012, 37, 191-204.	0.7	4
53	Anomalous plasmonic band gap formation in two-dimensional slit arrays with different periods. , 2011, , .		1
54	Experimental demonstration of a novel bio-sensing platform via plasmonic band gap formation in gold nano-patch arrays. <i>Optics Express</i> , 2011, 19, 21385.	1.7	36

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55	Plasmonic bandgap formation in two-dimensional periodic arrangements of gold patches with subwavelength gaps. <i>Optics Letters</i> , 2011, 36, 903.	1.7	21
56	RESONANCE WAVELENGTH DEPENDENCE AND MODE FORMATION IN GOLD NANOROD OPTICAL ANTENNAS WITH FINITE THICKNESS. <i>Progress in Electromagnetics Research B</i> , 2011, 30, 337-353.	0.7	13
57	Asymmetric plasmonic grating for optical sensing of thin layers of organic materials. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1056-1062.	4.0	37
58	Active InGaAsP/InP Photonic Bandgap Waveguides for Wavelength-Selective Switching. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 172-181.	1.0	15
59	Enhancement of Extraordinary Optical Transmission in a Double Heterostructure Plasmonic Bandgap Cavity. <i>Plasmonics</i> , 2011, 6, 469-476.	1.8	15
60	Optical filter based on a coupled bilayer photonic crystal. <i>Microelectronic Engineering</i> , 2011, 88, 2771-2774.	1.1	0
61	Emission control of colloidal nanocrystals embedded in Si <sub>3</sub> N <sub>4</sub> photonic crystal H1 nanocavities. <i>Microelectronic Engineering</i> , 2010, 87, 1435-1438.	1.1	23
62	Efficient plasmonic nanostructures for thin film solar cells. , 2010, , .		8
63	Optical filter based on two coupled PhC GaAs-membranes. <i>Optics Letters</i> , 2010, 35, 411.	1.7	27
64	Optical filter with very large stopband ( $\lambda \sim 300$ nm) based on a photonic-crystal vertical-directional coupler. <i>Optics Letters</i> , 2009, 34, 3292.	1.7	18
65	Bending Analysis in AlN-Based Multilayered Piezoelectric Cantilevers. <i>Ferroelectrics</i> , 2009, 389, 75-82.	0.3	3
66	Design and modeling of tapered waveguide for photonic crystal slab coupling by using time-domain Hertzian potentials formulation. <i>Optics Express</i> , 2007, 15, 16484.	1.7	8
67	Fabrication of force sensors based on two-dimensional photonic crystal technology. <i>Microelectronic Engineering</i> , 2007, 84, 1450-1453.	1.1	49