

# Giovanni Magno

## List of Publications by Year in descending order

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53  
papers

262  
citations

933447

10  
h-index

996975

15  
g-index

53  
all docs

53  
docs citations

53  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated plasmonic nanotweezers for nanoparticle manipulation. Optics Letters, 2016, 41, 3679.	3.3	26
2	Correlated Disordered Plasmonic Nanostructures Arrays for Augmented Reality. ACS Photonics, 2018, 5, 2661-2668.	6.6	25
3	Gold thickness impact on the enhancement of SERS detection in low-cost Au/Si nanosensors. Journal of Materials Science, 2017, 52, 13650-13656.	3.7	18
4	Al/Si Nanopillars as Very Sensitive SERS Substrates. Materials, 2018, 11, 1534.	2.9	18
5	Controlled reflectivities in self-collimating mesoscopic photonic crystal. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 355.	2.1	17
6	Asymmetric hybrid double dielectric loaded plasmonic waveguides for sensing applications. Sensors and Actuators B: Chemical, 2013, 186, 148-155.	7.8	16
7	Strong coupling and vortexes assisted slow light in plasmonic chain-SOI waveguide systems. Scientific Reports, 2017, 7, 7228.	3.3	16
8	Numerical analysis of the coupling mechanism in long-range plasmonic couplers at $155\hat{\text{A}}\frac{1}{4}\text{m}$ . Optics Letters, 2013, 38, 46.	3.3	14
9	Ultra-efficient nanoparticle trapping by integrated plasmonic dimers. Optics Letters, 2018, 43, 455.	3.3	14
10	Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. Nano Letters, 2016, 16, 4014-4018.	9.1	13
11	Seven at One Blow: Particle Cluster Stability in a Single Plasmonic Trap on a Silicon Waveguide. ACS Photonics, 2020, 7, 1942-1949.	6.6	11
12	Label-Free $\text{Si}_3\text{N}_4$ Photonic Crystal Based Immunosensors for Diagnostic Applications. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	10
13	Stable planar mesoscopic photonic crystal cavities. Optics Letters, 2014, 39, 4223.	3.3	10
14	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. Optics Express, 2017, 25, 28288.	3.4	7
15	Localized surface plasmon resonances in gold nano-patches on a gallium nitride substrate. Nanotechnology, 2012, 23, 455709.	2.6	5
16	Broad-band plasmonic isolator compatible with low-gyrotropy magneto-optical material. Optics Express, 2021, 29, 4091.	3.4	5
17	High-efficient ultra-short vertical long-range plasmonic couplers. Journal of Nanophotonics, 2012, 6, 061609.	1.0	4
18	Integrated magneto-plasmonic isolation enhancement based on coupled resonances in subwavelength gold grating. Optics Communications, 2021, 483, 126633.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Multifunctional and reconfigurable graphene/liquid crystal-assisted asymmetrical Fabry-Pérot cavity for reflected light control. Optics Express, 2021, 29, 27816.	3.4	4
20	Mesoscopic self-collimation along arbitrary directions and below the light line. Optics Express, 2019, 27, 30287.	3.4	4
21	Stable planar microcavities based on mesoscopic photonic crystals. , 2014, , .		3
22	Numerical demonstration of surface lattice resonance excitation in integrated localized surface plasmon waveguides. Optics Express, 2022, 30, 5835.	3.4	3
23	Multifunctional self-collimating mesoscopic photonic crystals. , 2013, , .		2
24	Integrated Nanoantenna Gratings For Planar Holographic Signalisation System. , 2018, , .		2
25	Design of mesoscopic self-collimating photonic crystals under oblique incidence. Optics Express, 2021, 29, 33380.	3.4	2
26	Optical Sensor based on a Mesoscopic Photonic Crystal Microcavity. , 2016, , .		2
27	Self-collimation in mesoscopic photonic crystals: From reflectivity management to stable planar cavities. , 2014, , .		1
28	2D photonic crystal membranes for optical biosensors. , 2014, , .		1
29	Integrated plasmonic nanoantenna for out-of-plane beam steering. , 2016, , .		1
30	Integrated Plasmonic Nanoantenna Gratings for Large Area Coherent Optical Source. , 2019, , .		1
31	Plasmonic nanotweezers composed by a gold dimer for ultra-effective nanoparticles trapping. , 2016, , .		1
32	Periodic and Disordered Plasmonic Nanostructures Arrays for Visualization Application. , 2017, , .		1
33	Design of optical metasurfaces for innovative display devices. , 2019, , .		1
34	Gold strip gratings with binary supercell. Optics Letters, 2013, 38, 2904.	3.3	0
35	Graphene assisted nanostructures. , 2013, , .		0
36	Graphene-based photonic nanostructures for linear and nonlinear devices. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Photonic crystal based immunosensor for clinical diagnosis. , 2014, , .		0
38	Full optical confinement in 1D Mesoscopic Photonic Crystal-based microcavities: A preliminary experimental demonstration. , 2016, , .		0
39	Integrated plasmonic nanotweezers: Toward the manipulation of nanoobjects. , 2016, , .		0
40	Integrated gold dimer for efficient tweezing and sensing of a single submicrometric object. , 2017, , .		0
41	Integrated Plasmonic Tweezers for Efficient Nanoparticle Trapping. , 2019, , .		0
42	Magneto-Plasmonic Effects for Non-Reciprocal Waveguides. , 2019, , .		0
43	21â€¢4: Plasmonic Nanostructures Array with Correlated Disorder for Augmented Reality. Digest of Technical Papers SID International Symposium, 2019, 50, 295-298.	0.3	0
44	Design of mesoscopic photonic crystal waveguides. Journal of Engineering, 2019, 2019, 4628-4631.	1.1	0
45	Integrated plasmonic tweezer for linear repositioning of nanometric objects. , 2016, , .		0
46	Integrated magnetoplasmonic nanostructures for nonreciprocal optical devices. , 2016, , .		0
47	Design of Waveguides Based on Self-collimating Mesoscopic Photonic Crystals. , 2018, , .		0
48	Integrated Localized Plasmonics and Applications. , 2018, , .		0
49	Integrated plasmonic dimers: a platform for ultra-efficient trapping of nanoparticles. , 2018, , .		0
50	Optical trapping in 1D mesoscopic photonic crystal microcavities. , 2018, , .		0
51	Efficient nanoparticle trapping and local heat by an integrated plasmonic tweezers. , 2020, , .		0
52	Magneto-biplasmonic slot waveguide isolator. , 2021, , .		0
53	Design of a half-ring plasmonic tweezers for environmental monitoring. Optical Materials: X, 2022, 13, 100141.	0.8	0