

Giovanni Magno

List of Publications by Year in descending order

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53
papers

262
citations

933447

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996975

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g-index

53
all docs

53
docs citations

53
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical demonstration of surface lattice resonance excitation in integrated localized surface plasmon waveguides. Optics Express, 2022, 30, 5835.	3.4	3
2	Design of a half-ring plasmonic tweezers for environmental monitoring. Optical Materials: X, 2022, 13, 100141.	0.8	0
3	Integrated magneto-plasmonic isolation enhancement based on coupled resonances in subwavelength gold grating. Optics Communications, 2021, 483, 126633.	2.1	4
4	Broad-band plasmonic isolator compatible with low-gyrotropy magneto-optical material. Optics Express, 2021, 29, 4091.	3.4	5
5	Multifunctional and reconfigurable graphene/liquid crystal-assisted asymmetrical Fabry-Pérot cavity for reflected light control. Optics Express, 2021, 29, 27816.	3.4	4
6	Design of mesoscopic self-collimating photonic crystals under oblique incidence. Optics Express, 2021, 29, 33380.	3.4	2
7	Magneto-biplasmonic slot waveguide isolator. , 2021, , .		0
8	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
9	Efficient nanoparticle trapping and local heat by an integrated plasmonic tweezers. , 2020, , .		0
10	Integrated Plasmonic Tweezers for Efficient Nanoparticle Trapping. , 2019, , .		0
11	Integrated Plasmonic Nanoantenna Gratings for Large Area Coherent Optical Source. , 2019, , .		1
12	Magneto-Plasmonic Effects for Non-Reciprocal Waveguides. , 2019, , .		0
13	21â€: Plasmonic Nanostructures Array with Correlated Disorder for Augmented Reality. Digest of Technical Papers SID International Symposium, 2019, 50, 295-298.	0.3	0
14	Design of mesoscopic photonic crystal waveguides. Journal of Engineering, 2019, 2019, 4628-4631.	1.1	0
15	Mesoscopic self-collimation along arbitrary directions and below the light line. Optics Express, 2019, 27, 30287.	3.4	4
16	Design of optical metasurfaces for innovative display devices. , 2019, , .		1
17	Integrated Nanoantenna Gratings For Planar Holographic Signalisation System. , 2018, , .		2
18	Al/Si Nanopillars as Very Sensitive SERS Substrates. Materials, 2018, 11, 1534.	2.9	18

#	ARTICLE	IF	CITATIONS
19	Ultra-efficient nanoparticle trapping by integrated plasmonic dimers. Optics Letters, 2018, 43, 455.	3.3	14
20	Correlated Disordered Plasmonic Nanostructures Arrays for Augmented Reality. ACS Photonics, 2018, 5, 2661-2668.	6.6	25
21	Design of Waveguides Based on Self-collimating Mesoscopic Photonic Crystals. , 2018, , .		0
22	Integrated Localized Plasmonics and Applications. , 2018, , .		0
23	Integrated plasmonic dimers: a platform for ultra-efficient trapping of nanoparticles. , 2018, , .		0
24	Optical trapping in 1D mesoscopic photonic crystal microcavities. , 2018, , .		0
25	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
26	Strong coupling and vortexes assisted slow light in plasmonic chain-SOI waveguide systems. Scientific Reports, 2017, 7, 7228.	3.3	16
27	Integrated gold dimer for efficient tweezing and sensing of a single submicrometric object. , 2017, , .		0
28	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. Optics Express, 2017, 25, 28288.	3.4	7
29	Periodic and Disordered Plasmonic Nanostructures Arrays for Visualization Application. , 2017, , .		1
30	Integrated plasmonic nanoantenna for out-of-plane beam steering. , 2016, , .		1
31	Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. Nano Letters, 2016, 16, 4014-4018.	9.1	13
32	Integrated plasmonic nanotweezers for nanoparticle manipulation. Optics Letters, 2016, 41, 3679.	3.3	26
33	Full optical confinement in 1D Mesoscopic Photonic Crystal-based microcavities: A preliminary experimental demonstration. , 2016, , .		0
34	Integrated plasmonic nanotweezers: Toward the manipulation of nanoobjects. , 2016, , .		0
35	Optical Sensor based on a Mesoscopic Photonic Crystal Microcavity. , 2016, , .		2
36	Plasmonic nanotweezers composed by a gold dimer for ultra-effective nanoparticles trapping. , 2016, , .		1

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37	Integrated plasmonic tweezer for linear repositioning of nanometric objects. , 2016, , .		0
38	Integrated magnetoplasmonic nanostructures for nonreciprocal optical devices. , 2016, , .		0
39	Label-Free Si_3N_4 Photonic Crystal Based Immunosensors for Diagnostic Applications. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	10
40	Controlled reflectivities in self-collimating mesoscopic photonic crystal. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 355.	2.1	17
41	Self-collimation in mesoscopic photonic crystals: From reflectivity management to stable planar cavities. , 2014, , .		1
42	Graphene-based photonic nanostructures for linear and nonlinear devices. , 2014, , .		0
43	Photonic crystal based immunosensor for clinical diagnosis. , 2014, , .		0
44	Stable planar mesoscopic photonic crystal cavities. Optics Letters, 2014, 39, 4223.	3.3	10
45	2D photonic crystal membranes for optical biosensors. , 2014, , .		1
46	Stable planar microcavities based on mesoscopic photonic crystals. , 2014, , .		3
47	Asymmetric hybrid double dielectric loaded plasmonic waveguides for sensing applications. Sensors and Actuators B: Chemical, 2013, 186, 148-155.	7.8	16
48	Numerical analysis of the coupling mechanism in long-range plasmonic couplers at $155\text{Å}^{\frac{1}{4}}\text{m}$. Optics Letters, 2013, 38, 46.	3.3	14
49	Gold strip gratings with binary supercell. Optics Letters, 2013, 38, 2904.	3.3	0
50	Graphene assisted nanostructures. , 2013, , .		0
51	Multifunctional self-collimating mesoscopic photonic crystals. , 2013, , .		2
52	High-efficient ultra-short vertical long-range plasmonic couplers. Journal of Nanophotonics, 2012, 6, 061609.	1.0	4
53	Localized surface plasmon resonances in gold nano-patches on a gallium nitride substrate. Nanotechnology, 2012, 23, 455709.	2.6	5