

Giovanna Palermo

List of Publications by Year in descending order

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papers

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471061

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39
all docs

39
docs citations

39
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of metasurfaces infiltrated with liquid crystals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20390-20396.	3.3	66
2	Biomolecular Sensing at the Interface between Chiral Metasurfaces and Hyperbolic Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 30181-30188.	4.0	55
3	Hyperbolic dispersion metasurfaces for molecular biosensing. Nanophotonics, 2020, 10, 295-314.	2.9	48
4	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. Physical Chemistry Chemical Physics, 2015, 17, 20281-20287.	1.3	46
5	Plasmonic Metasurfaces Based on Pyramidal Nanoholes for High-Efficiency SERS Biosensing. ACS Applied Materials & Interfaces, 2021, 13, 43715-43725.	4.0	45
6	Chirality in Light-Matter Interaction. Advanced Materials, 2023, 35, e2107325.	11.1	43
7	Plasmon-mediated cancer phototherapy: the combined effect of thermal and photodynamic processes. Nanoscale, 2017, 9, 19279-19289.	2.8	33
8	Flexible thermo-plasmonics: an opto-mechanical control of the heat generated at the nanoscale. Nanoscale, 2018, 10, 16556-16561.	2.8	30
9	Opto-mechanical control of flexible plasmonic materials. Journal of Applied Physics, 2019, 125, .	1.1	24
10	Photo-thermal study of a layer of randomly distributed gold nanoparticles: from nano-localization to macro-scale effects. Journal Physics D: Applied Physics, 2017, 50, 435302.	1.3	23
11	A command layer for anisotropic plasmonic photo-thermal effects in liquid crystal. Liquid Crystals, 2018, 45, 2214-2220.	0.9	23
12	Photo-Thermal Effects in 1D Gratings of Gold Nanoparticles. Crystals, 2017, 7, 14.	1.0	21
13	Tailoring Electromagnetic Hot Spots toward Visible Frequencies in Ultra-Narrow Gap $Al Al_2O_3$ Bowtie Nanoantennas. ACS Photonics, 2018, 5, 3399-3407.	3.2	20
14	A comprehensive optical analysis of nanoscale structures: from thin films to asymmetric nanocavities. RSC Advances, 2019, 9, 21429-21437.	1.7	20
15	Optical control of plasmonic heating effects using reversible photo-alignment of nematic liquid crystals. Applied Physics Letters, 2016, 109, .	1.5	19
16	Tailoring of plasmonic functionalized metastructures to enhance local heating release. Nanophotonics, 2021, 10, 3907-3916.	2.9	18
17	Conformal Silk-Azobenzene Composite for Optically Switchable Diffractive Structures. ACS Applied Materials & Interfaces, 2017, 9, 30951-30957.	4.0	17
18	Thermoplasmonic Effects in Gain-Assisted Nanoparticle Solutions. Journal of Physical Chemistry C, 2017, 121, 24185-24191.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Tensile control of the thermal flow in plasmonic heaters realized on flexible substrates. <i>Journal of Chemical Physics</i> , 2019, 151, 244707.	1.2	14
20	Plasmonic Thermometer Based on Thermotropic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 93-99.	0.4	11
21	Developing novel liquid crystal technologies for display and photonic applications. <i>Displays</i> , 2015, 36, 21-29.	2.0	10
22	Electro and pressure tunable cholesteric liquid crystal devices based on ion-implanted flexible substrates. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7798.	2.7	9
23	Liquid Crystals as an Active Medium: Novel Possibilities in Plasmonics. <i>Nanospectroscopy</i> , 2015, 1, .	0.7	8
24	Thermo-plasmonic effects on E7 nematic liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 649, 45-49.	0.4	6
25	Templating gold nanorods with liquid crystalline DNA. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 025001.	1.0	5
26	Thue-Morse nanostructures for tunable light extraction in the visible region. <i>Optics and Lasers in Engineering</i> , 2018, 104, 291-299.	2.0	5
27	Hyperbolic dispersion metamaterials and metasurfaces. <i>EPJ Applied Metamaterials</i> , 2020, 7, 11.	0.8	5
28	Determination of NLC refractive index dispersion in wavelength and temperature for plasmonic applications. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 649, 31-37.	0.4	4
29	Flexible Structures Based on a Short Pitch Cholesteric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 619, 35-41.	0.4	3
30	Assessment of EtQxBx complexation in solution by steady-state and time-resolved fluorescence spectroscopy. <i>RSC Advances</i> , 2018, 8, 16314-16318.	1.7	3
31	Photo-Aligned Nematic Liquid Crystals Enable the Modulation of Thermoplasmonic Heating. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6272.	1.3	3
32	Nematic liquid crystals used to control photo-thermal effects in gold nanoparticles. , 2016, , .		2
33	Thermoplasmonic-biosensing demonstration based on the photothermal response of metallic nanoparticles. <i>Journal of Applied Physics</i> , 2020, 128, 164302.	1.1	1
34	Compressed and canalized emission of quantum emitters in MIM nano-cavities. <i>Quantum Studies: Mathematics and Foundations</i> , 2020, 7, 355-361.	0.4	1
35	Hybrid Nanoparticles as Theranostics Platforms for Glioblastoma Treatment: Phototherapeutic and X-ray Phase Contrast Tomography Investigations. <i>Journal of Nanotheranostics</i> , 2022, 3, 1-17.	1.7	1
36	A Luminescent, Water-Soluble Ir(III) Complex as a Potential Photosensitizer for Two-Photon Photodynamic Therapy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11596.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Biomolecular Sensing in Hybrid Chiral/Hyperbolic Metastructures. , 2021, , 1-14.		0
38	Liquid Crystals Order in Polymeric Microchannels. , 2015, , 1-14.		0
39	Control of the optically induced heating of gold nanoparticles. Photonics Letters of Poland, 2017, 9, 17.	0.2	0