Luigia Pezzi

List of Publications by Year
in descending order

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16	228	1464605 7	1255698 13
papers	citations	h-index	g-index

16	16	16	427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photo-Aligned Nematic Liquid Crystals Enable the Modulation of Thermoplasmonic Heating. Applied Sciences (Switzerland), 2021, 11, 6272.	1.3	3
2	Biocompatible and biomimetic keratin capped Au nanoparticles enable the inactivation of mesophilic bacteria via photo-thermal therapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126950.	2.3	4
3	Thermoplasmonicâ€Activated Hydrogel Based Dynamic Light Attenuator. Advanced Optical Materials, 2020, 8, 2000324.	3.6	23
4	Antimicrobial Effects of Chemically Functionalized and/or Photo-Heated Nanoparticles. Materials, 2019, 12, 1078.	1.3	21
5	Resonant Coupling and Gain Singularities in Metal/Dielectric Multishells: Quasi-Static Versus T-Matrix Calculations. Journal of Physical Chemistry C, 2019, 123, 29291-29297.	1.5	6
6	Plasmon-mediated discrete diffraction behaviour of an array of responsive waveguides. Nanoscale, 2019, 11, 17931-17938.	2.8	0
7	Photo-Induced Heating in Plasmonic Nanoparticles Trapped in Thermo-Sensitive Liquid Crystals. Journal of Nanoscience and Nanotechnology, 2018, 18, 6708-6718.	0.9	2
8	A command layer for anisotropic plasmonic photo-thermal effects in liquid crystal. Liquid Crystals, 2018, 45, 2214-2220.	0.9	23
9	Resonant Gain Singularities in 1D and 3D Metal/Dielectric Multilayered Nanostructures. ACS Nano, 2017, 11, 1012-1025.	7.3	48
10	Thermoplasmonic Effects in Gain-Assisted Nanoparticle Solutions. Journal of Physical Chemistry C, 2017, 121, 24185-24191.	1.5	14
11	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
12	Thermo-plasmonic effects on E7 nematic liquid crystal. Molecular Crystals and Liquid Crystals, 2017, 649, 45-49.	0.4	6
13	Nematic liquid crystals used to control photo-thermal effects in gold nanoparticles. , 2016, , .		2
14	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. Physical Chemistry Chemical Physics, 2015, 17, 20281-20287.	1.3	46
15	Plasmonics: A Theoretical Background. , 2015, , 1-32.		2
16	MODEL FOR MOLECULAR DIRECTOR CONFIGURATION IN A LIQUID CRYSTAL CELL WITH MULTIPLE INTERFACES. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 199-206.	1.1	5