Giovanni Pellegrini

List of Publications by Year
in descending order

31 papers	753 citations	516710 16 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	1321 citing authors

#	Article	IF	Citations
1	Finite depth square well model: Applicability and limitations. Journal of Applied Physics, 2005, 97, 073706.	2.5	107
2	Tunability of the dielectric function of heavily doped germanium thin films for mid-infrared plasmonics. Physical Review B, 2016, 94, .	3.2	86
3	Sub-nanometric metallic Au clusters as efficient Er3+ sensitizers in silica. Applied Physics Letters, 2006, 89, 151121.	3.3	75
4	Light Extraction with Dielectric Nanoantenna Arrays. ACS Nano, 2009, 3, 2715-2721.	14.6	48
5	Metalâ€“dielectric hybrid nanoantennas for efficient frequency conversion at the anapole mode. Beilstein Journal of Nanotechnology, 2018, 9, 2306-2314.	2.8	47
6	Chiral surface waves for enhanced circular dichroism. Physical Review B, 2017, 95, .	3.2	42
7	Plasmonic mid-infrared third harmonic generation in germanium nanoantennas. Light: Science and Applications, 2018, 7, 106.	16.6	42
8	Local-field enhancement and plasmon tuning in bimetallic nanoplanets. Optics Express, 2007, 15, 10097.	3.4	34
9	Benchmarking the Use of Heavily Doped Ge for Plasmonics and Sensing in the Mid-Infrared. ACS Photonics, 2018, 5, 3601-3607.	6.6	31
10	Plasmonic Superchiral Lattice Resonances in the Mid-Infrared. ACS Photonics, 2020, 7, 2676-2681.	6.6	26
11	Nanoantenna Arrays for Large-Area Emission Enhancement. Journal of Physical Chemistry C, 2011, 115, 24662-24665.	3.1	24
12	Evidence of Cascaded Third-Harmonic Generation in Noncentrosymmetric Gold Nanoantennas. Nano Letters, 2019, 19, 7013-7020.	9.1	23
13	Chiral optical tweezers for optically active particles in the T-matrix formalism. Scientific Reports, 2019, 9, 29.	3.3	22
14	Asymmetric Plasmonic Nanoshells as Subwavelength Directional Nanoantennas and Color Nanorouters: A Multipole Interference Approach. Journal of Physical Chemistry C, 2012, 116, 21536-21546.	3.1	19
15	Surfaceâ€enhanced chiroptical spectroscopy with superchiral surface waves. Chirality, 2018, 30, 883-889.	2.6	19
16	Hybrid organicâ€“inorganic ZnS-loaded nanocomposite films for stable optical coatings. Thin Solid Films, 2010, 518, 6781-6786.	1.8	16
17	Plasmon-Enhanced Second Harmonic Sensing. Journal of Physical Chemistry C, 2018, 122, 11475-11481.	3.1	15
18	Near-Field Imaging of Free Carriers in ZnO Nanowires with a Scanning Probe Tip Made of Heavily Doped Germanium. Physical Review Applied, 2017, 8, .	3.8	14

#	Article	IF	Citations
19	Field-resolved detection of the temporal response of a single plasmonic antenna in the mid-infrared. Optica, 2021, 8, 898.	9.3	14
20	Superchiral Surface Waves for All-Optical Enantiomer Separation. Journal of Physical Chemistry C, 2019, 123, 28336-28342.	3.1	11
21	Local Field Enhancement: Comparing Self-Similar and Dimer Nanoantennas. Journal of Physical Chemistry C, 2016, 120, 26021-26024.	3.1	10
22	Plasmon-Enhanced Second Harmonic Generation: from Individual Antennas to Extended Arrays. Plasmonics, 2017, 12, 1595-1600.	3.4	8
23	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. Scientific Reports, 2018, 8, 13811.	3.3	8
24	n-Ge on Si for mid-infrared plasmonic sensors. , 2017, , .		5
25	Evaluation of Molecular Polarizability and of Intensity Carrying Modes Contributions in Circular Dichroism Spectroscopies. Applied Sciences (Switzerland), 2019, 9, 4691.	2.5	5
26	On the Structural and Optical Properties of ZnO Nanoparticles Formed in Silica by Ion Implantation. Materials Research Society Symposia Proceedings, 2006, 942, 1.	0.1	1
27	Plasmon-enhanced second-harmonic sensing on a microfluidic chip. , 2018, , .		1
28	Synthesis and Microstructural Analysis of Benzylthiol-functionalized Au Nanocrystals. Materials Research Society Symposia Proceedings, 2006, 959, 1.	0.1	0
29	Core-Satellite Metallic Nanoclusters in Silica Obtained by Multiple Ion Beam Processing. Materials Research Society Symposia Proceedings, 2007, 1020, 1.	0.1	0
30	Mid-Infrared Third-Harmonic Emission from Heavily-Doped Germanium Plasmonic Nanoantennas. , 2017, , .		0
31	Field-Resolved Detection of the Temporal Response of a Mid-Infrared Plasmonic Antenna. , 2019, , .		0