

Lorenzo Di Mario

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

221
citations

1039880

9
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1058333

14
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24
all docs

24
docs citations

24
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Vibration Modes of Gold-Silver Core-Shell Nanoparticles. <i>Chemosensors</i> , 2022, 10, 193.	1.8	1
2	Large-area, high-responsivity, fast and broadband graphene/n-Si photodetector. <i>Nanotechnology</i> , 2021, 32, 155504.	1.3	9
3	Carbon Nanotube Film/Silicon Heterojunction Photodetector for New Cutting-Edge Technological Devices. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 606.	1.3	9
4	Optical properties and carrier dynamics in Co-doped ZnO nanorods. <i>Nanoscale Advances</i> , 2021, 3, 214-222.	2.2	3
5	Sharp Spectral Variations of the Ultrafast Transient Light Extinction by Bimetallic Nanoparticles in the Near-UV. <i>Advanced Optical Materials</i> , 2021, 9, 2001778.	3.6	2
6	Disentangling the Temporal Dynamics of Nonthermal Electrons in Photoexcited Gold Nanostructures. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100017.	4.4	10
7	Influence of diameter on temperature dynamics of hot carriers in photoexcited GaAsP nanowires. <i>Physical Review B</i> , 2021, 104, .	1.1	0
8	Effects of Crystal Morphology on the Hot-Carrier Dynamics in Mixed-Cation Hybrid Lead Halide Perovskites. <i>Energies</i> , 2021, 14, 708.	1.6	8
9	Measurement of the conformational switching of azobenzenes from the macro- to attomolar scale in self-assembled 2D and 3D nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11698-11708.	1.3	3
10	Crystallization driven boost in fill factor and stability in additive-free organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23783-23792.	5.2	11
11	Cobalt-Doped ZnO Nanorods Coated with Nanoscale Metal-Organic Framework Shells for Water-Splitting Photoanodes. <i>ACS Applied Nano Materials</i> , 2020, 3, 7781-7788.	2.4	29
12	Ultrafast Formation of Small Polarons and the Optical Gap in CeO ₂ . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5686-5691.	2.1	23
13	Plasmon-induced resonant effects on the optical properties of Ag-decorated ZnSe nanowires. <i>Nanotechnology</i> , 2020, 31, 174001.	1.3	6
14	Ultrafast optical spectroscopy of semiconducting and plasmonic nanostructures and their hybrids. <i>Nanotechnology</i> , 2020, 32, 025703.	1.3	15
15	Optical Characterization of Cesium Lead Bromide Perovskites. <i>Crystals</i> , 2019, 9, 280.	1.0	21
16	A Fast Transient Absorption Study of Co(AcAc) ₃ . <i>Frontiers in Chemistry</i> , 2019, 7, 348.	1.8	5
17	Highly efficient plasmon-mediated electron injection into cerium oxide from embedded silver nanoparticles. <i>Nanoscale</i> , 2019, 11, 10282-10291.	2.8	27
18	Carrier dynamics in silicon nanowires studied via femtosecond transient optical spectroscopy from 1.1 to 3.5 eV. <i>Nanotechnology</i> , 2019, 30, 214001.	1.3	5

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19	Time-dependent optical response of three-dimensional Au nanoparticle arrays formed on silica nanowires. <i>Physical Review B</i> , 2018, 97, .	1.1	7
20	Ultrafast carrier dynamics, band-gap renormalization, and optical properties of ZnSe nanowires. <i>Physical Review B</i> , 2016, 94, .	1.1	17
21	Schottky barrier measurements on individual GaAs nanowires by X-ray photoemission microscopy. <i>Applied Surface Science</i> , 2016, 386, 72-77.	3.1	0
22	Direct growth of Si nanowires on flexible organic substrates. <i>Nanotechnology</i> , 2016, 27, 225601.	1.3	7
23	Electronic properties of Si hollow nanowires. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	3