NiccolÃ² Michieli

List of Publications by Year
in descending order

35 papers	612 citations	516710 16 h-index	610901 24 g-index
35 all docs	35 docs citations	35 times ranked	905 citing authors

#	Article	IF	Citations
1	An atmospheric pressure plasma jet to tune the bioactive peptide coupling to polycaprolactone electrospun layers. Applied Surface Science, 2020, 507, 144713.	6.1	19
2	Optimal geometry for plasmonic sensing with non-interacting Au nanodisk arrays. Nanoscale Advances, 2020, 2, 3304-3315.	4.6	8
3	Amorphous intermixing of noble and magnetic metals in thin film-based nanostructures. Applied Surface Science, 2020, 513, 145779.	6.1	1
4	Structural modification of Au-Co thin films induced by annealing in oxidizing atmosphere. Surface and Coatings Technology, 2020, 385, 125309.	4.8	2
5	Ordered arrays of metallic nanoprisms for photonic applications. , 2020, , 111-138.		0
6	Polarization dependence of second harmonic generation from plasmonic nanoprism arrays. Scientific Reports, 2019, 9, 11514.	3.3	11
7	Hybrid Metal-Polystyrene Metasurfaces: Circular Dichroism Evidenced by Means of Photo-Acoustic Technique. , 2019, , .		0
8	Nanopatterned films of Co3O4 nanopetals. Thin Solid Films, 2019, 691, 137628.	1.8	0
9	Tuning the linear and nonlinear optical properties of ordered plasmonic nanoarrays by morphological control with thermal annealing. Applied Surface Science, 2019, 491, 67-74.	6.1	7
10	Co3O4 Nanopetals on Si as Photoanodes for the Oxidation of Organics. Surfaces, 2019, 2, 41-53.	2.3	10
11	Photo-acoustic detection of chirality in metal-polystyrene metasurfaces. Applied Physics Letters, 2019, 114, 053101.	3.3	31
12	Understanding lead iodide perovskite hysteresis and degradation causes by extensive electrical characterization. Solar Energy Materials and Solar Cells, 2019, 189, 43-52.	6.2	24
13	Bidimensional ordered plasmonic nanoarrays for nonlinear optics, nanophotonics and biosensing applications. Materials Science in Semiconductor Processing, 2019, 92, 2-9.	4.0	26
14	Emission Rate Modification and Quantum Efficiency Enhancement of Er³⁺ Emitters by Near-Field Coupling with Nanohole Arrays. ACS Photonics, 2018, 5, 2189-2199.	6.6	23
15	Ultra-fast dynamics in the nonlinear optical response of silver nanoprism ordered arrays. Nanoscale, 2018, 10, 5182-5190.	5.6	24
16	Two-step growth mechanism of supported Co3O4-based sea-urchin like hierarchical nanostructures. Applied Surface Science, 2018, 439, 876-882.	6.1	8
17	Emission Efficiency Enhancement of Er³⁺ Ions in Silica by Nearâ€Field Coupling With Plasmonic and Preâ€Plasmonic Nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700437.	1.8	8
18	Local structure and X-ray magnetic circular dichroism of Au in Au-Co nanoalloys. Applied Surface Science, 2018, 433, 596-601.	6.1	8

#	Article	IF	Citations
19	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. Scientific Reports, 2018, 8, 13811.	3.3	8
20	Nanoroughness, Surface Chemistry, and Drug Delivery Control by Atmospheric Plasma Jet on Implantable Devices. ACS Applied Materials & Interfaces, 2018, 10, 39512-39523.	8.0	41
21	Dichroic nonlinear absorption response of silver nanoprism arrays. RSC Advances, 2017, 7, 17741-17747.	3.6	21
22	Goldâ€“silver alloy semi-nanoshell arrays for label-free plasmonic biosensors. Nanoscale, 2017, 9, 10117-10125.	5.6	28
23	Oxidation effects on the SERS response of silver nanoprism arrays. RSC Advances, 2017, 7, 369-378.	3.6	55
24	Spectral dependence of nonlinear absorption in ordered silver metallic nanoprism arrays. Scientific Reports, 2017, 7, 5307.	3.3	22
25	Amplified sensitization of Er³⁺ luminescence in silica by Au_N quantum clusters upon annealing in a reducing atmosphere. RSC Advances, 2016, 6, 99376-99384.	3.6	10
26	Wavelength- and polarization-dependent nonlinear optical properties of plasmonic nanoprism arrays. Proceedings of SPIE, 2016, , .	0.8	0
27	Degenerately Doped Metal Oxide Nanocrystals as Plasmonic and Chemoresistive Gas Sensors. ACS Applied Materials & Interfaces, 2016, 8, 30440-30448.	8.0	58
28	Nonlinear absorption tuning by composition control in bimetallic plasmonic nanoprism arrays. Nanoscale, 2015, 7, 12411-12418.	5.6	31
29	Optimal geometric parameters of ordered arrays of nanoprisms for enhanced sensitivity in localized plasmon based sensors. Biosensors and Bioelectronics, 2015, 65, 346-353.	10.1	30
30	Auâ€“Ag nanoalloy molecule-like clusters for enhanced quantum efficiency emission of Er³⁺ions in silica. Physical Chemistry Chemical Physics, 2015, 17, 28262-28269.	2.8	28
31	Controlling the Emission Rate of Er³⁺ Ions by Dielectric Coupling with Thin Films. Journal of Physical Chemistry C, 2015, 119, 6728-6736.	3.1	10
32	Coreâ€“shell-like Au sub-nanometer clusters in Er-implanted silica. Nanoscale, 2015, 7, 8968-8977.	5.6	11
33	Silver Nanoprism Arrays Coupled to Functional Hybrid Films for Localized Surface Plasmon Resonance-Based Detection of Aromatic Hydrocarbons. ACS Applied Materials & Interfaces, 2014, 6, 7773-7781.	8.0	29
34	Energy-transfer from ultra-small Au nanoclusters to Er3+ ions: a short-range mechanism. Physical Chemistry Chemical Physics, 2014, 16, 15158.	2.8	10
35	2D photonic gratings from thermal imprinting of ITO-based films. Microelectronic Engineering, 2012, 97, 193-196.	2.4	10