

# Niccolò<sup>2</sup> Michieli

## List of Publications by Year in descending order

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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	Degenerately Doped Metal Oxide Nanocrystals as Plasmonic and Chemoresistive Gas Sensors. ACS Applied Materials & Interfaces, 2016, 8, 30440-30448.	8.0	58
2	Oxidation effects on the SERS response of silver nanoprism arrays. RSC Advances, 2017, 7, 369-378.	3.6	55
3	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
4	Nonlinear absorption tuning by composition control in bimetallic plasmonic nanoprism arrays. Nanoscale, 2015, 7, 12411-12418.	5.6	31
5	Photo-acoustic detection of chirality in metal-polystyrene metasurfaces. Applied Physics Letters, 2019, 114, 053101.	3.3	31
6	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
7	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
8	Au-Ag nanoalloy molecule-like clusters for enhanced quantum efficiency emission of Er <sup>3+</sup> ions in silica. Physical Chemistry Chemical Physics, 2015, 17, 28262-28269.	2.8	28
9	Gold-silver alloy semi-nanoshell arrays for label-free plasmonic biosensors. Nanoscale, 2017, 9, 10117-10125.	5.6	28
10	Bidimensional ordered plasmonic nanoarrays for nonlinear optics, nanophotonics and biosensing applications. Materials Science in Semiconductor Processing, 2019, 92, 2-9.	4.0	26
11	Ultra-fast dynamics in the nonlinear optical response of silver nanoprism ordered arrays. Nanoscale, 2018, 10, 5182-5190.	5.6	24
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	Emission Rate Modification and Quantum Efficiency Enhancement of Er <sup>3+</sup> Emitters by Near-Field Coupling with Nanohole Arrays. ACS Photonics, 2018, 5, 2189-2199.	6.6	23
14	Spectral dependence of nonlinear absorption in ordered silver metallic nanoprism arrays. Scientific Reports, 2017, 7, 5307.	3.3	22
15	Dichroic nonlinear absorption response of silver nanoprism arrays. RSC Advances, 2017, 7, 17741-17747.	3.6	21
16	An atmospheric pressure plasma jet to tune the bioactive peptide coupling to polycaprolactone electrospun layers. Applied Surface Science, 2020, 507, 144713.	6.1	19
17	Core-shell-like Au sub-nanometer clusters in Er-implanted silica. Nanoscale, 2015, 7, 8968-8977.	5.6	11
18	Polarization dependence of second harmonic generation from plasmonic nanoprism arrays. Scientific Reports, 2019, 9, 11514.	3.3	11

#	ARTICLE	IF	CITATIONS
19	2D photonic gratings from thermal imprinting of ITO-based films. <i>Microelectronic Engineering</i> , 2012, 97, 193-196.	2.4	10
20	Energy-transfer from ultra-small Au nanoclusters to Er <sup>3+</sup> ions: a short-range mechanism. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15158.	2.8	10
21	Controlling the Emission Rate of Er <sup>3+</sup> Ions by Dielectric Coupling with Thin Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6728-6736.	3.1	10
22	Amplified sensitization of Er <sup>3+</sup> luminescence in silica by Au <sub>N</sub> quantum clusters upon annealing in a reducing atmosphere. <i>RSC Advances</i> , 2016, 6, 99376-99384.	3.6	10
23	Co <sub>3</sub> O <sub>4</sub> Nanopetals on Si as Photoanodes for the Oxidation of Organics. <i>Surfaces</i> , 2019, 2, 41-53.	2.3	10
24	Two-step growth mechanism of supported Co <sub>3</sub> O <sub>4</sub> -based sea-urchin like hierarchical nanostructures. <i>Applied Surface Science</i> , 2018, 439, 876-882.	6.1	8
25	Emission Efficiency Enhancement of Er <sup>3+</sup> Ions in Silica by Near-Field Coupling With Plasmonic and Pre-Plasmonic Nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700437.	1.8	8
26	Local structure and X-ray magnetic circular dichroism of Au in Au-Co nanoalloys. <i>Applied Surface Science</i> , 2018, 433, 596-601.	6.1	8
27	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. <i>Scientific Reports</i> , 2018, 8, 13811.	3.3	8
28	Optimal geometry for plasmonic sensing with non-interacting Au nanodisk arrays. <i>Nanoscale Advances</i> , 2020, 2, 3304-3315.	4.6	8
29	Tuning the linear and nonlinear optical properties of ordered plasmonic nanoarrays by morphological control with thermal annealing. <i>Applied Surface Science</i> , 2019, 491, 67-74.	6.1	7
30	Structural modification of Au-Co thin films induced by annealing in oxidizing atmosphere. <i>Surface and Coatings Technology</i> , 2020, 385, 125309.	4.8	2
31	Amorphous intermixing of noble and magnetic metals in thin film-based nanostructures. <i>Applied Surface Science</i> , 2020, 513, 145779.	6.1	1
32	Wavelength- and polarization-dependent nonlinear optical properties of plasmonic nanoprism arrays. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
33	Hybrid Metal-Polystyrene Metasurfaces: Circular Dichroism Evidenced by Means of Photo-Acoustic Technique. , 2019, , .		0
34	Nanopatterned films of Co <sub>3</sub> O <sub>4</sub> nanopetals. <i>Thin Solid Films</i> , 2019, 691, 137628.	1.8	0
35	Ordered arrays of metallic nanoprisms for photonic applications. , 2020, , 111-138.		0