

# Marella de Angelis

## List of Publications by Year in descending order

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42  
papers

801  
citations

471509

17  
h-index

642732

23  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Selective Surface-Enhanced Raman Detection of Proteins. <i>ACS Nano</i> , 2017, 11, 918-926.	14.6	85
2	Seeding variability of different alpha synuclein strains in synucleinopathies. <i>Annals of Neurology</i> , 2019, 85, 691-703.	5.3	85
3	In-situ visualization, monitoring and analysis of electric field domain reversal process in ferroelectric crystals by digital holography. <i>Optics Express</i> , 2004, 12, 1832.	3.4	67
4	A Compact Atom Interferometer for Future Space Missions. <i>Microgravity Science and Technology</i> , 2010, 22, 551-561.	1.4	48
5	Thermal Transitions of Fibrillar Collagen Unveiled by Second-Harmonic Generation Microscopy of Corneal Stroma. <i>Biophysical Journal</i> , 2012, 103, 1179-1187.	0.5	46
6	Size Affects the Stability of the Photoacoustic Conversion of Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16140-16146.	3.1	45
7	Concave gold nanocube assemblies as nanotraps for surface-enhanced Raman scattering-based detection of proteins. <i>Nanoscale</i> , 2015, 7, 3474-3480.	5.6	43
8	Biosensor surface functionalization by a simple photochemical immobilization of antibodies: experimental characterization by mass spectrometry and surface enhanced Raman spectroscopy. <i>Analyst, The</i> , 2019, 144, 6871-6880.	3.5	38
9	Label-free SERS detection of proteins based on machine learning classification of chemo-structural determinants. <i>Analyst, The</i> , 2021, 146, 674-682.	3.5	38
10	Hybrid nanocomposite films for laser-activated tissue bonding. <i>Journal of Biophotonics</i> , 2012, 5, 868-877.	2.3	37
11	On the origin of internal field in Lithium Niobate crystals directly observed by digital holography. <i>Optics Express</i> , 2005, 13, 5416.	3.4	35
12	Nanoscale Discrimination between Toxic and Nontoxic Protein Misfolded Oligomers with Tip-Enhanced Raman Spectroscopy. <i>Small</i> , 2018, 14, e1800890.	10.0	35
13	Controlled Veiling of Silver Nanocubes with Graphene Oxide for Improved Surface-Enhanced Raman Scattering Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2628-2634.	8.0	32
14	Photostability of Gold Nanorods upon Endosomal Confinement in Cultured Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6393-6400.	3.1	22
15	Spot-on SERS Detection of Biomolecules with Laser-Patterned Dot Arrays of Assembled Silver Nanowires. <i>ChemNanoMat</i> , 2019, 5, 1036-1043.	2.8	21
16	Investigation of electric internal field in congruent LiNbO <sub>3</sub> by electro-optic effect. <i>Applied Physics Letters</i> , 2004, 85, 5652-5654.	3.3	20
17	Nanoscope insights into the surface conformation of neurotoxic amyloid $\beta$ oligomers. <i>RSC Advances</i> , 2020, 10, 21907-21913.	3.6	19
18	Analysis of moiré fringes for measuring the focal length of lenses. <i>Optics and Lasers in Engineering</i> , 1998, 30, 279-286.	3.8	15

#	ARTICLE	IF	CITATIONS
19	Hollow core photonic crystal fiber-assisted Raman spectroscopy as a tool for the detection of Alzheimer's disease biomarkers. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	15
20	Triggering molecular assembly at the mesoscale for advanced Raman detection of proteins in liquid. <i>Scientific Reports</i> , 2018, 8, 1033.	3.3	13
21	Cost Effective Silver Nanowire-Decorated Graphene Paper for Drop-On SERS Biodetection. <i>Nanomaterials</i> , 2021, 11, 1495.	4.1	11
22	Investigation of optical birefringence at ferroelectric domain wall in LiNbO <sub>3</sub> by phase-shift polarimetry. <i>Applied Physics Letters</i> , 2006, 88, 151918.	3.3	9
23	Interferometric analysis of a lithium niobate with engineering reversed domains. , 2003, , .		6
24	Real-time phase-contrast analysis of domain switching in lithium niobate by digital holography. , 2004, , .		4
25	Ion-exchanged glass microrods as hybrid SERS/fluorescence substrates for molecular beacon-based DNA detection. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6171-6182.	3.7	4
26	Investigation of internal electric field in LiNbO <sub>3</sub> crystal with two anti-parallel ferroelectric domains by interferometric technique. , 2004, 5560, 9.		2
27	The influence of cellular uptake on gold nanorods photostability and photoacoustic conversion efficiency. , 2015, , .		2
28	Optimization of the photoacoustic conversion of gold nanorods embedded in biopolymeric scaffolds. , 2013, , .		1
29	Influence of gold nanorods environment on photoacoustic conversion. , 2015, , .		1
30	Fiber-enhanced Raman spectroscopy as a tool for an early detection of Alzheimer's disease biomarkers. , 2019, , .		1
31	Label-free SERS detection of proteins based on machine learning classification of chemostructural determinants. , 2021, , .		1
32	Narrow linewidth visible diode laser at 690 nm: spectroscopy of the S <sub>1</sub> intercombination line. , 1993, 1837, 366.		0
33	<title>Fringe analysis of moire interferometry for studying micromechanical behavior of composite materials</title>. , 1999, , .		0
34	<title>Two-beam shearing interferometric method for testing a conical lens</title>. , 2001, 4398, 225.		0
35	Photoacoustic stability of gold nanorods embedded in biopolymeric scaffolds. , 2013, , .		0
36	Feasibility of plasmonic cellular vehicles for photoacoustic applications. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Opportunities with light-responsive plasmonic nanomaterials and graphene in therapy and sensing. , 2015, , .		0
38	Bidimensional assemblies of nonspherical gold nanoparticles for SERS analysis of biomolecules. , 2015, , .		0
39	Optically induced microbubbles around gold nanorods: the influence of particle parameters and environment on cavitation threshold. , 2016, , .		0
40	Investigation on laser-assisted tissue repair with NIR millisecond-long light pulses and Indocyanine Green-biopolymeric patches. , 2016, , .		0
41	Plasmon-enhanced Raman detection of body-fluid components. , 2018, , .		0
42	A SERS affinity bioassay based on ion-exchanged glass microrods (Conference Presentation). , 2020, , .		0