

Marella de Angelis

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | Cost Effective Silver Nanowire-Decorated Graphene Paper for Drop-On SERS Biodetection. <i>Nanomaterials</i> , 2021, 11, 1495. | 4.1 | 11 |
| 3 | 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 |
| 4 | Label-free SERS detection of proteins based on machine learning classification of chemostructural determinants. , 2021, , . | | 1 |
| 5 | Nanoscope insights into the surface conformation of neurotoxic amyloid β^2 oligomers. <i>RSC Advances</i> , 2020, 10, 21907-21913. | 3.6 | 19 |
| 6 | 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 |
| 7 | A SERS affinity bioassay based on ion-exchanged glass microrods (Conference Presentation). , 2020, , . | | 0 |
| 8 | Seeding variability of different alpha synuclein strains in synucleinopathies. <i>Annals of Neurology</i> , 2019, 85, 691-703. | 5.3 | 85 |
| 9 | 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 |
| 10 | 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 |
| 11 | Fiber-enhanced Raman spectroscopy as a tool for an early detection of Alzheimer's disease biomarkers. , 2019, , . | | 1 |
| 12 | Triggering molecular assembly at the mesoscale for advanced Raman detection of proteins in liquid. <i>Scientific Reports</i> , 2018, 8, 1033. | 3.3 | 13 |
| 13 | Nanoscale Discrimination between Toxic and Nontoxic Protein Misfolded Oligomers with Tip-Enhanced Raman Spectroscopy. <i>Small</i> , 2018, 14, e1800890. | 10.0 | 35 |
| 14 | Plasmon-enhanced Raman detection of body-fluid components. , 2018, , . | | 0 |
| 15 | Photostability of Gold Nanorods upon Endosomal Confinement in Cultured Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6393-6400. | 3.1 | 22 |
| 16 | Site-Selective Surface-Enhanced Raman Detection of Proteins. <i>ACS Nano</i> , 2017, 11, 918-926. | 14.6 | 85 |
| 17 | Optically induced microbubbles around gold nanorods: the influence of particle parameters and environment on cavitation threshold. , 2016, , . | | 0 |
| 18 | Controlled Veiling of Silver Nanocubes with Graphene Oxide for Improved Surface-Enhanced Raman Scattering Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2628-2634. | 8.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Investigation on laser-assisted tissue repair with NIR millisecond-long light pulses and Indocyanine Green-biopolymeric patches. , 2016, , . | | 0 |
| 20 | Feasibility of plasmonic cellular vehicles for photoacoustic applications. , 2015, , . | | 0 |
| 21 | Influence of gold nanorods environment on photoacoustic conversion. , 2015, , . | | 1 |
| 22 | The influence of cellular uptake on gold nanorods photostability and photoacoustic conversion efficiency. , 2015, , . | | 2 |
| 23 | Opportunities with light-responsive plasmonic nanomaterials and graphene in therapy and sensing. , 2015, , . | | 0 |
| 24 | Bidimensional assemblies of nonspherical gold nanoparticles for SERS analysis of biomolecules. , 2015, , . | | 0 |
| 25 | 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 |
| 26 | 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 |
| 27 | Optimization of the photoacoustic conversion of gold nanorods embedded in biopolymeric scaffolds. , 2013, , . | | 1 |
| 28 | Photoacoustic stability of gold nanorods embedded in biopolymeric scaffolds. , 2013, , . | | 0 |
| 29 | Hybrid nanocomposite films for laser-activated tissue bonding. <i>Journal of Biophotonics</i> , 2012, 5, 868-877. | 2.3 | 37 |
| 30 | 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 |
| 31 | A Compact Atom Interferometer for Future Space Missions. <i>Microgravity Science and Technology</i> , 2010, 22, 551-561. | 1.4 | 48 |
| 32 | Investigation of optical birefringence at ferroelectric domain wall in LiNbO ₃ by phase-shift polarimetry. <i>Applied Physics Letters</i> , 2006, 88, 151918. | 3.3 | 9 |
| 33 | 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 |
| 34 | Investigation of internal electric field in LiNbO ₃ crystal with two anti-parallel ferroelectric domains by interferometric technique. , 2004, 5560, 9. | | 2 |
| 35 | Investigation of electric internal field in congruent LiNbO ₃ by electro-optic effect. <i>Applied Physics Letters</i> , 2004, 85, 5652-5654. | 3.3 | 20 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Real-time phase-contrast analysis of domain switching in lithium niobate by digital holography. , 2004, , . | | 4 |
| 38 | Interferometric analysis of a lithium niobate with engineering reversed domains. , 2003, , . | | 6 |
| 39 | <title>Two-beam shearing interferometric method for testing a conical lens</title>. , 2001, 4398, 225. | | 0 |
| 40 | <title>Fringe analysis of moire interferometry for studying micromechanical behavior of composite materials</title>. , 1999, , . | | 0 |
| 41 | Analysis of moirÃ© fringes for measuring the focal length of lenses. Optics and Lasers in Engineering, 1998, 30, 279-286. | 3.8 | 15 |
| 42 | Narrow linewidth visible diode laser at 690 nm: spectroscopy of the Srl intercombination line. , 1993, 1837, 366. | | 0 |