

Bartolomeo Della Ventura

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,542
citations

257101

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329751

37
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61
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61
docs citations

61
times ranked

2105
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Colorimetric Test for Fast Detection of SARS-CoV-2 in Nasal and Throat Swabs. ACS Sensors, 2020, 5, 3043-3048. | 4.0 | 152 |
| 2 | Ultrasensitive antibody-aptamer plasmonic biosensor for malaria biomarker detection in whole blood. Nature Communications, 2020, 11, 6134. | 5.8 | 85 |
| 3 | QCM-based immunosensor for rapid detection of Salmonella Typhimurium in food. Scientific Reports, 2018, 8, 16137. | 1.6 | 83 |
| 4 | Detection of parathion and patulin by quartz-crystal microbalance functionalized by the photonics immobilization technique. Biosensors and Bioelectronics, 2015, 67, 224-229. | 5.3 | 77 |
| 5 | Colorimetric Immunosensor by Aggregation of Photochemically Functionalized Gold Nanoparticles. ACS Omega, 2018, 3, 3805-3812. | 1.6 | 67 |
| 6 | Enzyme distribution and secondary structure of sol-gel immobilized glucose oxidase by micro-attenuated total reflection FT-IR spectroscopy. Materials Science and Engineering C, 2013, 33, 304-310. | 3.8 | 63 |
| 7 | Detection of Parathion Pesticide by Quartz Crystal Microbalance Functionalized with UV-Activated Antibodies. Analytical Chemistry, 2013, 85, 6392-6397. | 3.2 | 59 |
| 8 | Light assisted antibody immobilization for bio-sensing. Biomedical Optics Express, 2011, 2, 3223. | 1.5 | 55 |
| 9 | Screen Printed Based Impedimetric Immunosensor for Rapid Detection of Escherichia coli in Drinking Water. Sensors, 2020, 20, 274. | 2.1 | 53 |
| 10 | Visible micro-Raman spectroscopy for determining glucose content in beverage industry. Food Chemistry, 2011, 127, 735-742. | 4.2 | 51 |
| 11 | Fiber-optic glucose biosensor based on glucose oxidase immobilised in a silica gel matrix. Journal of Sol-Gel Science and Technology, 2009, 50, 437-448. | 1.1 | 49 |
| 12 | FT-IR microscopy characterization of sol-gel layers prior and after glucose oxidase immobilization for biosensing applications. Journal of Sol-Gel Science and Technology, 2011, 57, 204-211. | 1.1 | 49 |
| 13 | Biosensor for Point-of-Care Analysis of Immunoglobulins in Urine by Metal Enhanced Fluorescence from Gold Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 3753-3762. | 4.0 | 44 |
| 14 | LSPR-based colorimetric immunosensor for rapid and sensitive 17 β -estradiol detection in tap water. Sensors and Actuators B: Chemical, 2020, 308, 127699. | 4.0 | 41 |
| 15 | Effective antibodies immobilization and functionalized nanoparticles in a quartz-crystal microbalance-based immunosensor for the detection of parathion. PLoS ONE, 2017, 12, e0171754. | 1.1 | 40 |
| 16 | Biosensor surface functionalization by a simple photochemical immobilization of antibodies: experimental characterization by mass spectrometry and surface enhanced Raman spectroscopy. Analyst, The, 2019, 144, 6871-6880. | 1.7 | 38 |
| 17 | Flexible immunosensor for the detection of salivary α -amylase in body fluids. Talanta, 2017, 174, 52-58. | 2.9 | 35 |
| 18 | Advances and emerging challenges in MXenes and their nanocomposites for biosensing applications. RSC Advances, 2022, 12, 19590-19610. | 1.7 | 35 |

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|----|--|-----|-----------|
| 19 | A simple MALDI plate functionalization by Vmh2 hydrophobin for serial multi-enzymatic protein digestions. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 487-496. | 1.9 | 29 |
| 20 | Single Molecule Characterization of UV-Activated Antibodies on Gold by Atomic Force Microscopy. <i>Langmuir</i> , 2016, 32, 8084-8091. | 1.6 | 29 |
| 21 | Femtosecond UV-laser pulses to unveil protein-protein interactions in living cells. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 637-648. | 2.4 | 29 |
| 22 | Effects of human antimicrobial cryptides identified in apolipoprotein B depend on specific features of bacterial strains. <i>Scientific Reports</i> , 2019, 9, 6728. | 1.6 | 28 |
| 23 | Nanostructured Surfaces as Plasmonic Biosensors: A Review. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101133. | 1.9 | 28 |
| 24 | Glucose Sensing by Time-Resolved Fluorescence of Sol-Gel Immobilized Glucose Oxidase. <i>Sensors</i> , 2011, 11, 3483-3497. | 2.1 | 27 |
| 25 | <p>Biomimetic hydroxyapatite nanocrystals are an active carrier for Salmonella bacteriophages</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2219-2232. | 3.3 | 27 |
| 26 | Label-Free Detection of Gliadin in Food by Quartz Crystal Microbalance-Based Immunosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1281-1289. | 2.4 | 23 |
| 27 | Self-Assembling of Fmoc-GC Peptide Nucleic Acid Dimers into Highly Fluorescent Aggregates. <i>Chemistry - A European Journal</i> , 2018, 24, 4729-4735. | 1.7 | 21 |
| 28 | Randomly positioned gold nanoparticles as fluorescence enhancers in apta-immunosensor for malaria test. <i>Mikrochimica Acta</i> , 2021, 188, 88. | 2.5 | 18 |
| 29 | Self-Formed, Conducting LaAlO ₃ /SrTiO ₃ Micro-Membranes. <i>Advanced Functional Materials</i> , 2020, 30, 1909964. | 7.8 | 17 |
| 30 | Photophysics and Photochemistry of a DNA-Protein Cross-Linking Model: A Synergistic Approach Combining Experiments and Theory. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4983-4992. | 1.2 | 15 |
| 31 | Low-lying excited-states of 5-benzyluracil. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7161. | 1.3 | 14 |
| 32 | Core-Shell Magnetic Nanoparticles for Highly Sensitive Magnetoelastic Immunosensor. <i>Nanomaterials</i> , 2020, 10, 1526. | 1.9 | 12 |
| 33 | Time-resolved analysis of DNA-protein interactions in living cells by UV laser pulses. <i>Scientific Reports</i> , 2017, 7, 11725. | 1.6 | 11 |
| 34 | Optimized Identification of High-Grade Prostate Cancer by Combining Different PSA Molecular Forms and PSA Density in a Deep Learning Model. <i>Diagnostics</i> , 2021, 11, 335. | 1.3 | 11 |
| 35 | The Union Is Strength: The Synergic Action of Long Fatty Acids and a Bacteriophage against <i>Xanthomonas campestris</i> Biofilm. <i>Microorganisms</i> , 2021, 9, 60. | 1.6 | 11 |
| 36 | Vmh2 hydrophobin layer entraps glucose: A quantitative characterization by label-free optical and gravimetric methods. <i>Applied Surface Science</i> , 2016, 364, 201-207. | 3.1 | 10 |

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|----|---|-----|-----------|
| 37 | Green synthesis of conductive polyaniline by <i>Trametes versicolor</i> laccase using a DNA template. <i>Engineering in Life Sciences</i> , 2019, 19, 631-642. | 2.0 | 10 |
| 38 | Time-gated luminescence imaging of positively charged poly-L-lysine-coated highly microporous silicon nanoparticles in living Hydra polyp. <i>Journal of Biophotonics</i> , 2020, 13, e202000272. | 1.1 | 10 |
| 39 | Analysis of the optical response of a SARS-CoV-2-directed colorimetric immunosensor. <i>AIP Advances</i> , 2021, 11, . | 0.6 | 10 |
| 40 | A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26301-26310. | 1.3 | 9 |
| 41 | Solid-state optical properties of self-assembling amyloid-like peptides with different charged states at the terminal ends. <i>Scientific Reports</i> , 2022, 12, 759. | 1.6 | 9 |
| 42 | Use of some cost-effective technologies for a routine clinical pathology laboratory. <i>Lab on A Chip</i> , 2021, 21, 4330-4351. | 3.1 | 8 |
| 43 | Nano-machining of biosensor electrodes through gold nanoparticles deposition produced by femtosecond laser ablation. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 497-501. | 1.1 | 7 |
| 44 | Nano- and femtosecond UV laser pulses to immobilize biomolecules onto surfaces with preferential orientation. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 185-190. | 1.1 | 6 |
| 45 | Photoemissive properties and stability of undecylenic acid-modified porous silicon nanoparticles in physiological medium. <i>Applied Physics Letters</i> , 2019, 114, . | 1.5 | 6 |
| 46 | Fluorescence Emission of Self-assembling Amyloid-like Peptides: Solution versus Solid State. <i>ChemPhysChem</i> , 2021, 22, 2215-2221. | 1.0 | 6 |
| 47 | Loading of Polydimethylsiloxane with a Human ApoB-Derived Antimicrobial Peptide to Prevent Bacterial Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5219. | 1.8 | 6 |
| 48 | Double-Resonant Nanostructured Gold Surface for Multiplexed Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6417-6427. | 4.0 | 5 |
| 49 | Simple and Flexible Model for Laser-Driven Antibody-Gold Surface Interactions: Functionalization and Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21762-21769. | 4.0 | 4 |
| 50 | Clostridium difficile antibodies: a patent evaluation (WO2013028810). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 1635-1640. | 2.4 | 2 |
| 51 | The tumor necrosis factor g1022G>A polymorphism is associated with resistance to tuberculosis in water buffalo (<i>Bubalus bubalis</i>). <i>Animal Genetics</i> , 2017, 48, 250-251. | 0.6 | 2 |
| 52 | Analysis of Chromatin-Nuclear Receptor Interactions by Laser-Chromatin Immunoprecipitation. <i>Methods in Molecular Biology</i> , 2014, 1204, 25-34. | 0.4 | 2 |
| 53 | Optical properties of sol-gel immobilized Laccase: a first step for its use in optical biosensing. , 2012, , . | | 1 |
| 54 | Quartz Crystal Microbalance Sensors: New Tools for the Assessment of Organic Threats to the Quality of Water. <i>Handbook of Environmental Chemistry</i> , 2019, , 315-342. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Nanostructured Surfaces as Plasmonic Biosensors: A Review (Adv. Mater. Interfaces 2/2022). Advanced Materials Interfaces, 2022, 9, . | 1.9 | 1 |
| 56 | FT-IR microspectroscopy characterization of supports for enzyme immobilization in biosensing applications. , 2010, , . | | 0 |
| 57 | UV-light-assisted functionalization for sensing of light molecules. , 2013, , . | | 0 |
| 58 | UV-light-assisted functionalization of Quartz-Crystal-Microbalance. , 2014, , . | | 0 |
| 59 | Reply to Jue et al. Value of MRI to Improve Deep Learning Model That Identifies High-Grade Prostate Cancer. Comment on "Gentile et al. Optimized Identification of High-Grade Prostate Cancer by Combining Different PSA Molecular Forms and PSA Density in a Deep Learning Model. Diagnostics 2021, 11, 335" Diagnostics. 2021, 11, 1214. | 1.3 | 0 |