

Luca Signor

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,403
citations

331670

21
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

2264
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Molecular imaging of amyloid β^2 peptides in mouse brain sections using mass spectrometry. <i>Analytical Biochemistry</i> , 2002, 311, 33-39. | 2.4 | 223 |
| 2 | Iron-Sulfur (Fe-S) Cluster Assembly. <i>Journal of Biological Chemistry</i> , 2010, 285, 23331-23341. | 3.4 | 119 |
| 3 | A Crescent-Shaped ALIX Dimer Targets ESCRT-III CHMP4 Filaments. <i>Structure</i> , 2009, 17, 843-856. | 3.3 | 116 |
| 4 | Analysis of erlotinib and its metabolites in rat tissue sections by MALDI quadrupole time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 900-909. | 1.6 | 105 |
| 5 | <i>In vitro</i> Reconstitution of Peptidoglycan Assembly from the Gram-Positive Pathogen <i>Streptococcus pneumoniae</i> . <i>ACS Chemical Biology</i> , 2013, 8, 2688-2696. | 3.4 | 74 |
| 6 | RIP2 filament formation is required for NOD2 dependent NF- κ B signalling. <i>Nature Communications</i> , 2018, 9, 4043. | 12.8 | 55 |
| 7 | Methane Formation by Reaction of a Methyl Thioether with a Photo-Excited Nickel Thiolate—A Process Mimicking Methanogenesis in Archaea. <i>Chemistry - A European Journal</i> , 2000, 6, 3508-3516. | 3.3 | 46 |
| 8 | Chaperonin CCT checkpoint function in basal transcription factor TFIID assembly. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1119-1127. | 8.2 | 43 |
| 9 | Exploring the structure and dynamics of macromolecular complexes by native mass spectrometry. <i>Journal of Proteomics</i> , 2020, 222, 103799. | 2.4 | 42 |
| 10 | Matrix-assisted Laser Desorption/Ionization Time of Flight (MALDI-TOF) Mass Spectrometric Analysis of Intact Proteins Larger than 100 kDa. <i>Journal of Visualized Experiments</i> , 2013, , . | 0.3 | 41 |
| 11 | Ascorbate Oxidation Catalyzed by Bis(histidine)copper(II). <i>Inorganic Chemistry</i> , 1996, 35, 5201-5206. | 4.0 | 39 |
| 12 | Spectroscopic investigation of the nickel-containing porphyrinoid cofactor F430. Comparison of the free cofactor in the +1, +2 and +3 oxidation states with the cofactor bound to methyl-coenzyme M reductase in the silent, red and ox forms. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 563-576. | 2.6 | 37 |
| 13 | Structural and Functional Characterization of the Type Three Secretion System (T3SS) Needle of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 573. | 3.5 | 37 |
| 14 | Tailing miniSOG: structural bases of the complex photophysics of a flavin-binding singlet oxygen photosensitizing protein. <i>Scientific Reports</i> , 2019, 9, 2428. | 3.3 | 37 |
| 15 | Structures of the inactive and active states of RIP2 kinase inform on the mechanism of activation. <i>PLoS ONE</i> , 2017, 12, e0177161. | 2.5 | 35 |
| 16 | Towards a molecular understanding of the water purification properties of Moringa seed proteins. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 296-304. | 9.4 | 34 |
| 17 | Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitoicidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153. | 12.8 | 31 |
| 18 | Investigating alternative acidic proteases for H/D exchange coupled to mass spectrometry: Plasmepsin 2 but not plasmepsin 4 is active under quenching conditions. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 76-79. | 2.8 | 29 |

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|----|--|------|-----------|
| 19 | Rational design of a monomeric and photostable far-red fluorescent protein for fluorescence imaging <i>in vivo</i> . <i>Protein Science</i> , 2016, 25, 308-315. | 7.6 | 27 |
| 20 | Continuous flow immunosensor for atrazine detection. <i>Biosensors and Bioelectronics</i> , 1998, 13, 45-53. | 10.1 | 24 |
| 21 | Two-dimensional electrophoresis protein profiling and identification in rat bronchoalveolar lavage fluid following allergen and endotoxin challenge. <i>Proteomics</i> , 2004, 4, 2101-2110. | 2.2 | 24 |
| 22 | Single Glutamate to Aspartate Mutation Makes Ferric Uptake Regulator (Fur) as Sensitive to H_2O_2 as Peroxide Resistance Regulator (PerR). <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10339-10343. | 13.8 | 22 |
| 23 | Quaternary Structure of Fur Proteins, a New Subfamily of Tetrameric Proteins. <i>Biochemistry</i> , 2016, 55, 1503-1515. | 2.5 | 22 |
| 24 | A Method for the Chemical Generation of N-Terminal Peptide Sequence Tags for Rapid Protein Identification. <i>Analytical Chemistry</i> , 2000, 72, 1006-1014. | 6.5 | 17 |
| 25 | Assembly of The Mitochondrial Complex I Assembly Complex Suggests a Regulatory Role for De flavination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4689-4697. | 13.8 | 14 |
| 26 | Reconstitution of Membrane Protein Complexes Involved in Pneumococcal Septal Cell Wall Assembly. <i>PLoS ONE</i> , 2013, 8, e75522. | 2.5 | 14 |
| 27 | The application of 2-D dual nanoscale liquid chromatography and triple quadrupole-linear ion trap system for the identification of proteins. <i>Journal of Separation Science</i> , 2005, 28, 1704-1711. | 2.5 | 13 |
| 28 | Active Detergent-solubilized H^+,K^+ -ATPase Is a Monomer*. <i>Journal of Biological Chemistry</i> , 2012, 287, 41963-41978. | 3.4 | 11 |
| 29 | The Plastid-Encoded RNA Polymerase-Associated Protein PAP9 Is a Superoxide Dismutase With Unusual Structural Features. <i>Frontiers in Plant Science</i> , 2021, 12, 668897. | 3.6 | 11 |
| 30 | Reaction of PerR with Molecular Oxygen May Assist H_2O_2 Sensing in Anaerobes. <i>ACS Chemical Biology</i> , 2016, 11, 1438-1444. | 3.4 | 10 |
| 31 | Characterizing Intact Macromolecular Complexes Using Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018, 1764, 133-151. | 0.9 | 10 |
| 32 | Riboflavin-binding proteins for singlet oxygen production. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1545-1555. | 2.9 | 10 |
| 33 | A Solvent-Exposed Cysteine Forms a Peculiar Ni II Binding Site in the Metallochaperone CooT from <i>Rhodospirillum rubrum</i> . <i>Chemistry - A European Journal</i> , 2019, 25, 15351-15360. | 3.3 | 9 |
| 34 | Headless C1q: a new molecular tool to decipher its collagen-like functions. <i>FEBS Journal</i> , 2021, 288, 2030-2041. | 4.7 | 8 |
| 35 | Divalent cations influence the dimerization mode of murine S100A9 protein by modulating its disulfide bond pattern. <i>Journal of Structural Biology</i> , 2021, 213, 107689. | 2.8 | 5 |
| 36 | Combining a NHS ester and glutaraldehyde improves crosslinking prior to MALDI MS analysis of intact protein complexes. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1114-1119. | 1.6 | 4 |

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|----|--|------|-----------|
| 37 | Hybrid Amyloid β -Based Redox Hydrogel for Bioelectrocatalytic H ₂ Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14488-14497. | 13.8 | 2 |
| 38 | Hybrid Amyloid β -Based Redox Hydrogel for Bioelectrocatalytic H ₂ Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 14609-14618. | 2.0 | 2 |