

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	Riboflavin-binding proteins for singlet oxygen production. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1545-1555.	2.9	10
2	Assembly of The Mitochondrial Complexâ€¦I Assembly Complex Suggests a Regulatory Role for De flavination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4689-4697.	13.8	14
3	Headless C1q: a new molecular tool to decipher its collagenâ€like functions. <i>FEBS Journal</i> , 2021, 288, 2030-2041.	4.7	8
4	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
5	Hybrid Amyloidâ€Based Redox Hydrogel for Bioelectrocatalytic H ₂ Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14488-14497.	13.8	2
6	Hybrid Amyloidâ€Based Redox Hydrogel for Bioelectrocatalytic H ₂ Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 14609-14618.	2.0	2
7	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
8	Exploring the structure and dynamics of macromolecular complexes by native mass spectrometry. <i>Journal of Proteomics</i> , 2020, 222, 103799.	2.4	42
9	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitocidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	12.8	31
10	A Solventâ€Exposed Cysteine Forms a Peculiar Ni II â€Binding Site in the Metallochaperone CooT from <i>Rhodospirillum rubrum</i> . <i>Chemistry - A European Journal</i> , 2019, 25, 15351-15360.	3.3	9
11	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
12	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
13	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
14	Characterizing Intact Macromolecular Complexes Using Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018, 1764, 133-151.	0.9	10
15	Chaperonin CCT checkpoint function in basal transcription factor TFIID assembly. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1119-1127.	8.2	43
16	RIP2 filament formation is required for NOD2 dependent NF-ÎB signalling. <i>Nature Communications</i> , 2018, 9, 4043.	12.8	55
17	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
18	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

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19	Reaction of PerR with Molecular Oxygen May Assist H ₂ O ₂ Sensing in Anaerobes. ACS Chemical Biology, 2016, 11, 1438-1444.	3.4	10
20	Quaternary Structure of Fur Proteins, a New Subfamily of Tetrameric Proteins. Biochemistry, 2016, 55, 1503-1515.	2.5	22
21	Combining a NHS ester and glutaraldehyde improves crosslinking prior to MALDI MS analysis of intact protein complexes. Journal of Mass Spectrometry, 2015, 50, 1114-1119.	1.6	4
22	Single Glutamate to Aspartate Mutation Makes Ferric Uptake Regulator (Fur) as Sensitive to H ₂ O ₂ as Peroxide Resistance Regulator (PerR). Angewandte Chemie - International Edition, 2013, 52, 10339-10343.	13.8	22
23	<i>In vitro</i> Reconstitution of Peptidoglycan Assembly from the Gram-Positive Pathogen <i>Streptococcus pneumoniae</i> . ACS Chemical Biology, 2013, 8, 2688-2696.	3.4	74
24	Matrix-assisted Laser Desorption/Ionization Time of Flight (MALDI-TOF) Mass Spectrometric Analysis of Intact Proteins Larger than 100 kDa. Journal of Visualized Experiments, 2013, , .	0.3	41
25	Reconstitution of Membrane Protein Complexes Involved in Pneumococcal Septal Cell Wall Assembly. PLoS ONE, 2013, 8, e75522.	2.5	14
26	Active Detergent-solubilized H ⁺ ,K ⁺ -ATPase Is a Monomer*. Journal of Biological Chemistry, 2012, 287, 41963-41978.	3.4	11
27	Investigating alternative acidic proteases for H/D exchange coupled to mass spectrometry: Plasmepsin 2 but not plasmepsin 4 is active under quenching conditions. Journal of the American Society for Mass Spectrometry, 2010, 21, 76-79.	2.8	29
28	Iron-Sulfur (Fe-S) Cluster Assembly. Journal of Biological Chemistry, 2010, 285, 23331-23341.	3.4	119
29	A Crescent-Shaped ALIX Dimer Targets ESCRT-III CHMP4 Filaments. Structure, 2009, 17, 843-856.	3.3	116
30	Analysis of erlotinib and its metabolites in rat tissue sections by MALDI quadrupole time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 900-909.	1.6	105
31	The application of 2-D dual nanoscale liquid chromatography and triple quadrupole-linear ion trap system for the identification of proteins. Journal of Separation Science, 2005, 28, 1704-1711.	2.5	13
32	Spectroscopic investigation of the nickel-containing porphinoïd 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. Journal of Biological Inorganic Chemistry, 2004, 9, 563-576.	2.6	37
33	Two-dimensional electrophoresis protein profiling and identification in rat bronchoalveolar lavage fluid following allergen and endotoxin challenge. Proteomics, 2004, 4, 2101-2110.	2.2	24
34	Molecular imaging of amyloid I ² peptides in mouse brain sections using mass spectrometry. Analytical Biochemistry, 2002, 311, 33-39.	2.4	223
35	A Method for the Chemical Generation of N-Terminal Peptide Sequence Tags for Rapid Protein Identification. Analytical Chemistry, 2000, 72, 1006-1014.	6.5	17
36	Methane Formation by Reaction of a Methyl Thioether with a Photo-Excited Nickel Thiolate—A Process Mimicking Methanogenesis in Archaea. Chemistry - A European Journal, 2000, 6, 3508-3516.	3.3	46

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37	Continuous flow immunosensor for atrazine detection. <i>Biosensors and Bioelectronics</i> , 1998, 13, 45-53.	10.1	24
38	Ascorbate Oxidation Catalyzed by Bis(histidine)copper(II). <i>Inorganic Chemistry</i> , 1996, 35, 5201-5206.	4.0	39