

Alessandro Ori

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

5,349
citations

109321

35
h-index

98798

67
g-index

87
all docs

87
docs citations

87
times ranked

9343
citing authors

#	ARTICLE	IF	CITATIONS
1	The quantitative proteome of a human cell line. <i>Molecular Systems Biology</i> , 2011, 7, 549.	7.2	691
2	In situ structural analysis of the human nuclear pore complex. <i>Nature</i> , 2015, 526, 140-143.	27.8	361
3	Integrated Structural Analysis of the Human Nuclear Pore Complex Scaffold. <i>Cell</i> , 2013, 155, 1233-1243.	28.9	321
4	Cell type-specific nuclear pores: a case in point for context-dependent stoichiometry of molecular machines. <i>Molecular Systems Biology</i> , 2013, 9, 648.	7.2	277
5	NUFIP1 is a ribosome receptor for starvation-induced ribophagy. <i>Science</i> , 2018, 360, 751-758.	12.6	262
6	A Systems Biology Approach for the Investigation of the Heparin/Heparan Sulfate Interactome. <i>Journal of Biological Chemistry</i> , 2011, 286, 19892-19904.	3.4	203
7	Cellular and epigenetic drivers of stem cell ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 594-610.	37.0	196
8	Integrated Transcriptome and Proteome Analyses Reveal Organ-Specific Proteome Deterioration in Old Rats. <i>Cell Systems</i> , 2015, 1, 224-237.	6.2	176
9	Xlink Analyzer: Software for analysis and visualization of cross-linking data in the context of three-dimensional structures. <i>Journal of Structural Biology</i> , 2015, 189, 177-183.	2.8	156
10	The heparanome and regulation of cell function: structures, functions and challenges. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4309.	3.0	143
11	Metastatic-niche labelling reveals parenchymal cells with stem features. <i>Nature</i> , 2019, 572, 603-608.	27.8	139
12	Reduced proteasome activity in the aging brain results in ribosome stoichiometry loss and aggregation. <i>Molecular Systems Biology</i> , 2020, 16, e9596.	7.2	131
13	Spatiotemporal variation of mammalian protein complex stoichiometries. <i>Genome Biology</i> , 2016, 17, 47.	8.8	115
14	Comparison of Protein Quantification in a Complex Background by DIA and TMT Workflows with Fixed Instrument Time. <i>Journal of Proteome Research</i> , 2019, 18, 1340-1351.	3.7	107
15	Association of condensin with chromosomes depends on DNA binding by its HEAT-repeat subunits. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 560-568.	8.2	100
16	Landscape of nuclear transport receptor cargo specificity. <i>Molecular Systems Biology</i> , 2017, 13, 962.	7.2	88
17	Architecture of the yeast Elongator complex. <i>EMBO Reports</i> , 2017, 18, 264-279.	4.5	75
18	Diversification of the Structural Determinants of Fibroblast Growth Factor-Heparin Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 40061-40073.	3.4	69

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19	Identification of Heparin-binding Sites in Proteins by Selective Labeling. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2256-2265.	3.8	65
20	Spatial Tissue Proteomics Quantifies Inter- and Intratumor Heterogeneity in Hepatocellular Carcinoma (HCC). <i>Molecular and Cellular Proteomics</i> , 2018, 17, 810-825.	3.8	65
21	Structural basis for assembly and function of the Nup82 complex in the nuclear pore scaffold. <i>Journal of Cell Biology</i> , 2015, 208, 283-297.	5.2	64
22	Antiproliferative activity of CCN3: Involvement of the C-terminal module and post-translational regulation. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 1475-1491.	2.6	61
23	Loss of metabolic plasticity underlies metformin toxicity in aged <i>Caenorhabditis elegans</i> . <i>Nature Metabolism</i> , 2020, 2, 1316-1331.	11.9	61
24	TRPS1 shapes YAP/TEAD-dependent transcription in breast cancer cells. <i>Nature Communications</i> , 2018, 9, 3115.	12.8	58
25	Cohesin-mediated NF- κ B signaling limits hematopoietic stem cell self-renewal in aging and inflammation. <i>Journal of Experimental Medicine</i> , 2019, 216, 152-175.	8.5	56
26	An integrated approach for genome annotation of the eukaryotic thermophile <i>Chaetomium thermophilum</i> . <i>Nucleic Acids Research</i> , 2014, 42, 13525-13533.	14.5	55
27	Species comparison of liver proteomes reveals links to naked mole-rat longevity and human aging. <i>BMC Biology</i> , 2018, 16, 82.	3.8	55
28	What have we learned on aging from omics studies?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 177-189.	5.0	54
29	Differential Scanning Fluorimetry Measurement of Protein Stability Changes upon Binding to Glycosaminoglycans: A Screening Test for Binding Specificity. <i>Analytical Chemistry</i> , 2010, 82, 3796-3802.	6.5	53
30	Quantitative Proteome Landscape of the NCI-60 Cancer Cell Lines. <i>IScience</i> , 2019, 21, 664-680.	4.1	52
31	Region-Specific Proteome Changes of the Intestinal Epithelium during Aging and Dietary Restriction. <i>Cell Reports</i> , 2020, 31, 107565.	6.4	52
32	Symportin 1 chaperones 5S RNP assembly during ribosome biogenesis by occupying an essential rRNA-binding site. <i>Nature Communications</i> , 2015, 6, 6510.	12.8	51
33	The endosomal transcriptional regulator RNF11 integrates degradation and transport of EGFR. <i>Journal of Cell Biology</i> , 2016, 215, 543-558.	5.2	51
34	Automated structure modeling of large protein assemblies using crosslinks as distance restraints. <i>Nature Methods</i> , 2016, 13, 515-520.	19.0	49
35	Extensive remodeling of the extracellular matrix during aging contributes to age-dependent impairments of muscle stem cell functionality. <i>Cell Reports</i> , 2021, 35, 109223.	6.4	49
36	Disentangling Genetic and Environmental Effects on the Proteotypes of Individuals. <i>Cell</i> , 2019, 177, 1308-1318.e10.	28.9	48

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37	Metabolic determination of cell fate through selective inheritance of mitochondria. <i>Nature Cell Biology</i> , 2022, 24, 148-154.	10.3	46
38	The GID ubiquitin ligase complex is a regulator of AMPK activity and organismal lifespan. <i>Autophagy</i> , 2020, 16, 1618-1634.	9.1	43
39	Characterization and quantification of proteins secreted by single human embryos prior to implantation. <i>EMBO Molecular Medicine</i> , 2015, 7, 1465-1479.	6.9	36
40	Spatially resolved analysis of FFPE tissue proteomes by quantitative mass spectrometry. <i>Nature Protocols</i> , 2020, 15, 2956-2979.	12.0	35
41	The Hematopoietic Bone Marrow Niche Ecosystem. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 705410.	3.7	34
42	Comparable stabilisation, structural changes and activities can be induced in FGF by a variety of HS and non-GAG analogues: implications for sequence-activity relationships. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5390.	2.8	29
43	Prosurvival function of the cellular apoptosis susceptibility/importin-1 transport cycle is repressed by p53 in liver cancer. <i>Hepatology</i> , 2014, 60, 884-895.	7.3	29
44	Nucleoporin Nup155 is part of the p53 network in liver cancer. <i>Nature Communications</i> , 2019, 10, 2147.	12.8	29
45	Profiling of gallbladder carcinoma reveals distinct miRNA profiles and activation of STAT1 by the tumor suppressive miRNA-145-5p. <i>Scientific Reports</i> , 2019, 9, 4796.	3.3	29
46	Karyopherin β -dependent import of E2F1 and TFDP1 maintains protumorigenic stathmin expression in liver cancer. <i>Cell Communication and Signaling</i> , 2019, 17, 159.	6.5	29
47	Structure of the ribosome post-recycling complex probed by chemical cross-linking and mass spectrometry. <i>Nature Communications</i> , 2016, 7, 13248.	12.8	27
48	Proteomic Analysis Reveals GMP Synthetase as p53 Repression Target in Liver Cancer. <i>American Journal of Pathology</i> , 2017, 187, 228-235.	3.8	26
49	Histone Deacetylase Inhibitors (HDACi) Cause the Selective Depletion of Bromodomain Containing Proteins (BCPs). <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1350-1360.	3.8	23
50	The Use of Targeted Proteomics to Determine the Stoichiometry of Large Macromolecular Assemblies. <i>Methods in Cell Biology</i> , 2014, 122, 117-146.	1.1	22
51	Protein lifetimes in aged brains reveal a proteostatic adaptation linking physiological aging to neurodegeneration. <i>Science Advances</i> , 2022, 8, .	10.3	22
52	Vulnerability of progeroid smooth muscle cells to biomechanical forces is mediated by MMP13. <i>Nature Communications</i> , 2020, 11, 4110.	12.8	20
53	Cellular apoptosis susceptibility (CAS) is linked to integrin β 1 and required for tumor cell migration and invasion in hepatocellular carcinoma (HCC). <i>Oncotarget</i> , 2016, 7, 22883-22892.	1.8	18
54	Cations Modulate Polysaccharide Structure To Determine FGF β -FGFR Signaling: A Comparison of Signaling and Inhibitory Polysaccharide Interactions with FGF-1 in Solution. <i>Biochemistry</i> , 2009, 48, 4772-4779.	2.5	16

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55	Quantitation of Reactive Acyl-CoA Species Mediated Protein Acylation by HPLC-MS/MS. <i>Analytical Chemistry</i> , 2019, 91, 12336-12343.	6.5	16
56	Stem cell aging: The upcoming era of proteins and metabolites. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111288.	4.6	16
57	PLCG1 is required for AML1-ETO leukemia stem cell self-renewal. <i>Blood</i> , 2022, 139, 1080-1097.	1.4	16
58	Quantifying compartment-associated variations of protein abundance in proteomics data. <i>Molecular Systems Biology</i> , 2018, 14, e8131.	7.2	14
59	Characterisation of the interaction of neuropilin-1 with heparin and a heparan sulfate mimetic library of heparin-derived sugars. <i>PeerJ</i> , 2014, 2, e461.	2.0	14
60	GMPPA defects cause a neuromuscular disorder with α -dystroglycan hyperglycosylation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	13
61	Ageing drives organ-specific alterations of the inflammatory microenvironment guided by immunomodulatory mediators in mice. <i>FASEB Journal</i> , 2021, 35, e21558.	0.5	11
62	Iron Oxide Nanoparticles Carrying 5-Fluorouracil in Combination with Magnetic Hyperthermia Induce Thrombogenic Collagen Fibers, Cellular Stress, and Immune Responses in Heterotopic Human Colon Cancer in Mice. <i>Pharmaceutics</i> , 2021, 13, 1625.	4.5	11
63	Mapping protein carboxymethylation sites provides insights into their role in proteostasis and cell proliferation. <i>Nature Communications</i> , 2021, 12, 6743.	12.8	11
64	Multifaceted Microcephaly-Related Gene MCPH1. <i>Cells</i> , 2022, 11, 275.	4.1	10
65	Glycation Alters the Fatty Acid Binding Capacity of Human Serum Albumin. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3033-3046.	5.2	10
66	HAT cofactor TRRAP modulates microtubule dynamics via SP1 signaling to prevent neurodegeneration. <i>ELife</i> , 2021, 10, .	6.0	9
67	The N-terminal BRCT domain determines MCPH1 function in brain development and fertility. <i>Cell Death and Disease</i> , 2021, 12, 143.	6.3	9
68	Proliferation and migration activities of fibroblast growth factor-2 in endothelial cells are modulated by its direct interaction with heparin affinity regulatory peptide. <i>Biochimie</i> , 2014, 107, 350-357.	2.6	8
69	Increased Expression of Immature Mannose-Containing Glycoproteins and Sialic Acid in Aged Mouse Brains. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6118.	4.1	8
70	ATR regulates neuronal activity by modulating presynaptic firing. <i>Nature Communications</i> , 2021, 12, 4067.	12.8	8
71	The natural compound atraric acid suppresses androgen-regulated neo-angiogenesis of castration-resistant prostate cancer through angiopoietin 2. <i>Oncogene</i> , 2022, 41, 3263-3277.	5.9	8
72	Following Protein-Glycosaminoglycan Polysaccharide Interactions with Differential Scanning Fluorimetry. <i>Methods in Molecular Biology</i> , 2012, 836, 171-182.	0.9	4

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73	Identifying Cellâ€Typeâ€Specific Metabolic Signatures Using Transcriptome and Proteome Analyses. Current Protocols, 2021, 1, e245.	2.9	3
74	Organelle dysfunction and its contribution to metabolic impairments in aging and age-related diseases. Current Opinion in Systems Biology, 2022, 30, 100416.	2.6	1
75	Conserved exchange of paralog proteins during neuronal differentiation. Life Science Alliance, 2022, 5, e202201397.	2.8	0
76	VerÃnderung der BioaktivitÃt von Proteinen durch Glykierung. Lebensmittelchemie, 2022, 76, .	0.0	0