

Federico Forneris

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,890
citations

147801

31
h-index

133252

59
g-index

75
all docs

75
docs citations

75
times ranked

5242
citing authors

#	ARTICLE	IF	CITATIONS
1	New mechanistic insights to PLOD1-mediated human vascular disease. <i>Translational Research</i> , 2022, 239, 1-17.	5.0	8
2	Crystal structure of the kringle domain of human receptor tyrosine kinase-like orphan receptor 1 (hROR1). <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2022, 78, 185-192.	0.8	0
3	A salivary factor binds a cuticular protein and modulates biting by inducing morphological changes in the mosquito labrum. <i>Current Biology</i> , 2022, 32, 3493-3504.e11.	3.9	6
4	Optimized Recombinant Production of Secreted Proteins Using Human Embryonic Kidney (HEK293) Cells Grown in Suspension. <i>Bio-protocol</i> , 2021, 11, e3998.	0.4	14
5	Collagen hydroxylysine glycosylation: non-conventional substrates for atypical glycosyltransferase enzymes. <i>Biochemical Society Transactions</i> , 2021, 49, 855-866.	3.4	10
6	Inference of molecular structure for characterization and improvement of clinical grade immunocytokines. <i>Journal of Structural Biology</i> , 2021, 213, 107696.	2.8	2
7	A Pilot Study on Covid and Autism: Prevalence, Clinical Presentation and Vaccine Side Effects. <i>Brain Sciences</i> , 2021, 11, 860.	2.3	7
8	A ligand-insensitive UNC5B splicing isoform regulates angiogenesis by promoting apoptosis. <i>Nature Communications</i> , 2021, 12, 4872.	12.8	17
9	Epidemic Preparedness – Leishmania tarentolae as an Easy-to-Handle Tool to Produce Antigens for Viral Diagnosis: Application to COVID-19. <i>Frontiers in Microbiology</i> , 2021, 12, 736530.	3.5	7
10	Persistence of Anti-SARS-CoV-2 Antibodies in Non-Hospitalized COVID-19 Convalescent Health Care Workers. <i>Journal of Clinical Medicine</i> , 2020, 9, 3188.	2.4	68
11	IgG Antibody Responses to the Aedes albopictus 34k2 Salivary Protein as Novel Candidate Marker of Human Exposure to the Tiger Mosquito. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 377.	3.9	18
12	CDH1 Mutation Distribution and Type Suggests Genetic Differences between the Etiology of Orofacial Clefting and Gastric Cancer. <i>Genes</i> , 2020, 11, 391.	2.4	11
13	Analysis in a murine model points to IgG responses against the 34k2 salivary proteins from Aedes albopictus and Aedes aegypti as novel promising candidate markers of host exposure to Aedes mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007806.	3.0	11
14	SiMPLOD, a Structure-Integrated Database of Collagen Lysyl Hydroxylase (LH/PLOD) Enzyme Variants. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1376-1382.	2.8	22
15	Pathogenic variants in <i>PLOD3</i> result in a Stickler syndrome-like connective tissue disorder with vascular complications. <i>Journal of Medical Genetics</i> , 2019, 56, 629-638.	3.2	23
16	Structural characterization of the third scavenger receptor cysteine-rich domain of murine neurotrypsin. <i>Protein Science</i> , 2019, 28, 746-755.	7.6	9
17	A Tail-Based Mechanism Drives Nucleosome Demethylation by the LSD2/NPAC Multimeric Complex. <i>Cell Reports</i> , 2019, 27, 387-399.e7.	6.4	31
18	Polymorphism analyses and protein modelling inform on functional specialization of Piwi-like genes in the arboviral vector Aedes albopictus. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007919.	3.0	16

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19	Structural and biochemical evaluation of <i>Ceratitis capitata</i> odorant-binding protein 22 affinity for odorants involved in intersex communication. <i>Insect Molecular Biology</i> , 2019, 28, 431-443.	2.0	23
20	Dissecting the Extracellular Complexity of Neuromuscular Junction Organizers. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 156.	3.5	23
21	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. <i>ELife</i> , 2019, 8, .	6.0	38
22	Molecular architecture of the multifunctional collagen lysyl hydroxylase and glycosyltransferase LH3. <i>Nature Communications</i> , 2018, 9, 3163.	12.8	46
23	Investigating the Mechanism of Action of Diketopiperazines Inhibitors of the <i>Burkholderia cenocepacia</i> Quorum Sensing Synthase Ceph: A Site-Directed Mutagenesis Study. <i>Frontiers in Pharmacology</i> , 2018, 9, 836.	3.5	22
24	Expanding the structural biology toolbox with single-molecule holography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1448-1450.	7.1	2
25	Autosomal Recessive Keratoderma-Ichthyosis-Deafness (ARKID) Syndrome Is Caused by VPS33B Mutations Affecting Rab Protein Interaction and Collagen Modification. <i>Journal of Investigative Dermatology</i> , 2017, 137, 845-854.	0.7	37
26	Regulator-dependent mechanisms of C3b processing by factor I allow differentiation of immune responses. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 643-651.	8.2	106
27	Versatile medium-throughput strategies for recombinant expression screening in structural biology. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1276-C1276.	0.1	0
28	Identifying and Visualizing Macromolecular Flexibility in Structural Biology. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 47.	3.5	49
29	Cover Image, Volume 84, Issue 6. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, C4-C4.	2.6	0
30	Structural and biochemical insights into 7 α -hydroxysteroid dehydrogenase stereoselectivity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 859-865.	2.6	22
31	Regulators of complement activity mediate inhibitory mechanisms through a common C3b-binding mode. <i>EMBO Journal</i> , 2016, 35, 1133-1149.	7.8	123
32	Regulation of post-Golgi LH3 trafficking is essential for collagen homeostasis. <i>Nature Communications</i> , 2016, 7, 12111.	12.8	54
33	The Crystal Structure of <i>Burkholderia cenocepacia</i> DfsA Provides Insights into Substrate Recognition and Quorum Sensing Fatty Acid Biosynthesis. <i>Biochemistry</i> , 2016, 55, 3241-3250.	2.5	8
34	Structural insights into cofactor activity. <i>Immunobiology</i> , 2016, 221, 1193.	1.9	0
35	Polymyxins and quinazolines are LSD1/KDM1A inhibitors with unusual structural features. <i>Science Advances</i> , 2016, 2, e1601017.	10.3	61
36	Discovery of new diketopiperazines inhibiting <i>Burkholderia cenocepacia</i> quorum sensing in vitro and in vivo. <i>Scientific Reports</i> , 2016, 6, 32487.	3.3	46

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37	Biochemical Characterization of Glutamate Racemaseâ€”A New Candidate Drug Target against Burkholderia cenocepacia Infections. PLoS ONE, 2016, 11, e0167350.	2.5	16
38	The three-dimensional structure of â€œLonely Guyâ€•from <i>C. laviceps purpurea</i> provides insights into the phosphoribohydrolase function of Rossmann fold-containing lysine decarboxylase-like proteins. Proteins: Structure, Function and Bioinformatics, 2015, 83, 1539-1546.	2.6	17
39	Interplay among nucleosomal DNA, histone tails, and corepressor CoREST underlies LSD1-mediated H3 demethylation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2752-2757.	7.1	71
40	Ensemble refinement shows conformational flexibility in crystal structures of human complement factor D. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 733-743.	2.5	32
41	Structure of Stem Cell Growth Factor R-spondin 1 in Complex with the Ectodomain of Its Receptor LGR5. Cell Reports, 2013, 3, 1885-1892.	6.4	80
42	Complement Factor D. , 2013, , 2841-2848.		1
43	Large Extent of Disorder in Adenomatous Polyposis Coli Offers a Strategy to Guard Wnt Signalling against Point Mutations. PLoS ONE, 2013, 8, e77257.	2.5	46
44	Structures of Wnt-Antagonist ZNRF3 and Its Complex with R-Spondin 1 and Implications for Signaling. PLoS ONE, 2013, 8, e83110.	2.5	58
45	Proteolysis, Complex Formation and Conformational Changes Drive the Complement Pathways. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 297-307.	0.5	0
46	Assembly and Regulation of the Membrane Attack Complex Based on Structures of C5b6 and sC5b9. Cell Reports, 2012, 1, 200-207.	6.4	161
47	The modular serine proteases of the complement cascade. Current Opinion in Structural Biology, 2012, 22, 333-341.	5.7	51
48	Alternative Splicing of the Histone Demethylase LSD1/KDM1 Contributes to the Modulation of Neurite Morphogenesis in the Mammalian Nervous System. Journal of Neuroscience, 2010, 30, 2521-2532.	3.6	138
49	Structures of C3b in Complex with Factors B and D Give Insight into Complement Convertase Formation. Science, 2010, 330, 1816-1820.	12.6	241
50	Biochemical, Structural, and Biological Evaluation of Tranylcyproline Derivatives as Inhibitors of Histone Demethylases LSD1 and LSD2. Journal of the American Chemical Society, 2010, 132, 6827-6833.	13.7	261
51	Crystal structure of the catalytic domain of Haspin, an atypical kinase implicated in chromatin organization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20204-20209.	7.1	58
52	A Novel Mammalian Flavin-dependent Histone Demethylase. Journal of Biological Chemistry, 2009, 284, 17775-17782.	3.4	240
53	Multiple pathways guide oxygen diffusion into flavoenzyme active sites. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10603-10608.	7.1	157
54	<i>Thermo</i> FAD, a <i>Thermofluor</i> [®] â€”adapted flavin <i>ad hoc</i> detection system for protein folding and ligand binding. FEBS Journal, 2009, 276, 2833-2840.	4.7	166

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55	New roles of flavoproteins in molecular cell biology: Histone demethylase LSD1 and chromatin. FEBS Journal, 2009, 276, 4304-4312.	4.7	71
56	LSD1: oxidative chemistry for multifaceted functions in chromatin regulation. Trends in Biochemical Sciences, 2008, 33, 181-189.	7.5	153
57	Structural Analysis of the Catalytic Mechanism and Stereoselectivity in <i>Streptomyces coelicolor</i> Alditol Oxidase. Biochemistry, 2008, 47, 978-985.	2.5	65
58	Enzymes Without Borders: Mobilizing Substrates, Delivering Products. Science, 2008, 321, 213-216.	12.6	61
59	Structural Basis of LSD1-CoREST Selectivity in Histone H3 Recognition. Journal of Biological Chemistry, 2007, 282, 20070-20074.	3.4	209
60	Crystallization and preliminary X-ray analysis of an alditol oxidase from <i>Streptomyces coelicolor</i> A3(2). Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1298-1300.	0.7	1
61	8 Demethylation pathways for histone methyllysine residues. The Enzymes, 2006, 24, 229-242.	1.7	1
62	A Highly Specific Mechanism of Histone H3-K4 Recognition by Histone Demethylase LSD1. Journal of Biological Chemistry, 2006, 281, 35289-35295.	3.4	115
63	Human Histone Demethylase LSD1 Reads the Histone Code. Journal of Biological Chemistry, 2005, 280, 41360-41365.	3.4	223
64	Histone demethylation catalysed by LSD1 is a flavin-dependent oxidative process. FEBS Letters, 2005, 579, 2203-2207.	2.8	243
65	Phasing protein structures using the group-subgroup relation. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1435-1439.	2.5	7