

Federico Forneris

List of Publications by Year in descending order

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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	Biochemical, Structural, and Biological Evaluation of Tranylcpromine Derivatives as Inhibitors of Histone Demethylases LSD1 and LSD2. <i>Journal of the American Chemical Society</i> , 2010, 132, 6827-6833.	13.7	261
2	Histone demethylation catalysed by LSD1 is a flavin-dependent oxidative process. <i>FEBS Letters</i> , 2005, 579, 2203-2207.	2.8	243
3	Structures of C3b in Complex with Factors B and D Give Insight into Complement Convertase Formation. <i>Science</i> , 2010, 330, 1816-1820.	12.6	241
4	A Novel Mammalian Flavin-dependent Histone Demethylase. <i>Journal of Biological Chemistry</i> , 2009, 284, 17775-17782.	3.4	240
5	Human Histone Demethylase LSD1 Reads the Histone Code. <i>Journal of Biological Chemistry</i> , 2005, 280, 41360-41365.	3.4	223
6	Structural Basis of LSD1-CoREST Selectivity in Histone H3 Recognition. <i>Journal of Biological Chemistry</i> , 2007, 282, 20070-20074.	3.4	209
7	Thermofluor [®] -adapted flavin ad hoc detection system for protein folding and ligand binding. <i>FEBS Journal</i> , 2009, 276, 2833-2840.	4.7	166
8	Assembly and Regulation of the Membrane Attack Complex Based on Structures of C5b6 and sC5b9. <i>Cell Reports</i> , 2012, 1, 200-207.	6.4	161
9	Multiple pathways guide oxygen diffusion into flavoenzyme active sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10603-10608.	7.1	157
10	LSD1: oxidative chemistry for multifaceted functions in chromatin regulation. <i>Trends in Biochemical Sciences</i> , 2008, 33, 181-189.	7.5	153
11	Alternative Splicing of the Histone Demethylase LSD1/KDM1 Contributes to the Modulation of Neurite Morphogenesis in the Mammalian Nervous System. <i>Journal of Neuroscience</i> , 2010, 30, 2521-2532.	3.6	138
12	Regulators of complement activity mediate inhibitory mechanisms through a common C3b-binding mode. <i>EMBO Journal</i> , 2016, 35, 1133-1149.	7.8	123
13	A Highly Specific Mechanism of Histone H3-K4 Recognition by Histone Demethylase LSD1. <i>Journal of Biological Chemistry</i> , 2006, 281, 35289-35295.	3.4	115
14	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
15	Structure of Stem Cell Growth Factor R-spondin 1 in Complex with the Ectodomain of Its Receptor LGR5. <i>Cell Reports</i> , 2013, 3, 1885-1892.	6.4	80
16	New roles of flavoproteins in molecular cell biology: Histone demethylase LSD1 and chromatin. <i>FEBS Journal</i> , 2009, 276, 4304-4312.	4.7	71
17	Interplay among nucleosomal DNA, histone tails, and corepressor CoREST underlies LSD1-mediated H3 demethylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2752-2757.	7.1	71
18	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

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19	Structural Analysis of the Catalytic Mechanism and Stereoselectivity in <i>Streptomyces coelicolor</i> Alditol Oxidase. <i>Biochemistry</i> , 2008, 47, 978-985.	2.5	65
20	Enzymes Without Borders: Mobilizing Substrates, Delivering Products. <i>Science</i> , 2008, 321, 213-216.	12.6	61
21	Polymyxins and quinazolines are LSD1/KDM1A inhibitors with unusual structural features. <i>Science Advances</i> , 2016, 2, e1601017.	10.3	61
22	Crystal structure of the catalytic domain of Haspin, an atypical kinase implicated in chromatin organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20204-20209.	7.1	58
23	Structures of Wnt-Antagonist ZNRF3 and Its Complex with R-Spondin 1 and Implications for Signaling. <i>PLoS ONE</i> , 2013, 8, e83110.	2.5	58
24	Regulation of post-Golgi LH3 trafficking is essential for collagen homeostasis. <i>Nature Communications</i> , 2016, 7, 12111.	12.8	54
25	The modular serine proteases of the complement cascade. <i>Current Opinion in Structural Biology</i> , 2012, 22, 333-341.	5.7	51
26	Identifying and Visualizing Macromolecular Flexibility in Structural Biology. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 47.	3.5	49
27	Large Extent of Disorder in Adenomatous Polyposis Coli Offers a Strategy to Guard Wnt Signalling against Point Mutations. <i>PLoS ONE</i> , 2013, 8, e77257.	2.5	46
28	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
29	Molecular architecture of the multifunctional collagen lysyl hydroxylase and glycosyltransferase LH3. <i>Nature Communications</i> , 2018, 9, 3163.	12.8	46
30	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. <i>ELife</i> , 2019, 8, .	6.0	38
31	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
32	Ensemble refinement shows conformational flexibility in crystal structures of human complement factor D. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 733-743.	2.5	32
33	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
34	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
35	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
36	Dissecting the Extracellular Complexity of Neuromuscular Junction Organizers. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 156.	3.5	23

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37	Structural and biochemical insights into 7 β -hydroxysteroid dehydrogenase stereoselectivity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 859-865.	2.6	22
38	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
39	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
40	IgG Antibody Responses to the <i>Aedes albopictus</i> 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
41	The three-dimensional structure of <i>Lonely Guy</i> from <i>laviceps purpurea</i> provides insights into the phosphoribohydrolase function of Rossmann fold-containing lysine decarboxylase-like proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1539-1546.	2.6	17
42	A ligand-insensitive UNC5B splicing isoform regulates angiogenesis by promoting apoptosis. <i>Nature Communications</i> , 2021, 12, 4872.	12.8	17
43	Polymorphism analyses and protein modelling inform on functional specialization of Piwi β clade genes in the arboviral vector <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007919.	3.0	16
44	Biochemical Characterization of Glutamate Racemase—A New Candidate Drug Target against <i>Burkholderia cenocepacia</i> Infections. <i>PLoS ONE</i> , 2016, 11, e0167350.	2.5	16
45	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
46	Analysis in a murine model points to IgG responses against the 34k2 salivary proteins from <i>Aedes albopictus</i> and <i>Aedes aegypti</i> as novel promising candidate markers of host exposure to <i>Aedes</i> mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007806.	3.0	11
47	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
48	Collagen hydroxylysine glycosylation: non-conventional substrates for atypical glycosyltransferase enzymes. <i>Biochemical Society Transactions</i> , 2021, 49, 855-866.	3.4	10
49	Structural characterization of the third scavenger receptor cysteine-rich domain of murine neurotrypsin. <i>Protein Science</i> , 2019, 28, 746-755.	7.6	9
50	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
51	New mechanistic insights to PLOD1-mediated human vascular disease. <i>Translational Research</i> , 2022, 239, 1-17.	5.0	8
52	Phasing protein structures using the group-subgroup relation. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1435-1439.	2.5	7
53	A Pilot Study on Covid and Autism: Prevalence, Clinical Presentation and Vaccine Side Effects. <i>Brain Sciences</i> , 2021, 11, 860.	2.3	7
54	Epidemic Preparedness— <i>Leishmania tarentolae</i> 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

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55	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
56	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
57	Inference of molecular structure for characterization and improvement of clinical grade immunocytokines. <i>Journal of Structural Biology</i> , 2021, 213, 107696.	2.8	2
58	Crystallization and preliminary X-ray analysis of an alditol oxidase from <i>Streptomyces coelicolor</i> A3(2). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1298-1300.	0.7	1
59	8 Demethylation pathways for histone methyllysine residues. <i>The Enzymes</i> , 2006, 24, 229-242.	1.7	1
60	Complement Factor D. , 2013, , 2841-2848.		1
61	Cover Image, Volume 84, Issue 6. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, C4-C4.	2.6	0
62	Structural insights into cofactor activity. <i>Immunobiology</i> , 2016, 221, 1193.	1.9	0
63	Proteolysis, Complex Formation and Conformational Changes Drive the Complement Pathways. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2013, , 297-307.	0.5	0
64	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
65	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