

# Gianpiero Garau

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,011  
citations

279798

23  
h-index

289244

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Update of the Standard Numbering Scheme for Class B $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2347-2349.	3.2	270
2	A Metallo- $\beta$ -lactamase Enzyme in Action: Crystal Structures of the Monozinc Carbapenemase CphA and its Complex with Biapenem. <i>Journal of Molecular Biology</i> , 2005, 345, 785-795.	4.2	231
3	Structural basis for mammalian vitamin B12 transport by transcobalamin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4386-4391.	7.1	169
4	A catalytically silent FAAH-1 variant drives anandamide transport in neurons. <i>Nature Neuroscience</i> , 2012, 15, 64-69.	14.8	150
5	Structural basis for the broad-spectrum inhibition of metallo- $\beta$ -lactamases by thiols. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2282.	2.8	118
6	Structure-Based Phylogeny of the Metallo- $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2778-2784.	3.2	86
7	Structural Insights into the Design of Inhibitors for the L1 Metallo- $\beta$ -lactamase from <i>Stenotrophomonas maltophilia</i> . <i>Journal of Molecular Biology</i> , 2008, 375, 257-269.	4.2	77
8	Structure of Human N -Acylphosphatidylethanolamine-Hydrolyzing Phospholipase D: Regulation of Fatty Acid Ethanolamide Biosynthesis by Bile Acids. <i>Structure</i> , 2015, 23, 598-604.	3.3	77
9	Spectroscopic and Structural Study of Proton and Halide Ion Cooperative Binding to GFP. <i>Biophysical Journal</i> , 2007, 93, 232-244.	0.5	75
10	Green Fluorescent Protein Ground States: The Influence of a Second Protonation Site near the Chromophore. <i>Biochemistry</i> , 2007, 46, 5494-5504.	2.5	60
11	Nanobeam precession-assisted 3D electron diffraction reveals a new polymorph of hen egg-white lysozyme. <i>IUCr</i> , 2019, 6, 178-188.	2.2	56
12	Crystal Structure of Phosphorylcholine Esterase Domain of the Virulence Factor Choline-binding Protein E from <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 28591-28600.	3.4	55
13	Competitive Inhibitors of the CphA Metallo- $\beta$ -Lactamase from <i>Aeromonas hydrophila</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2136-2142.	3.2	54
14	A Binding Site for Nonsteroidal Anti-inflammatory Drugs in Fatty Acid Amide Hydrolase. <i>Journal of the American Chemical Society</i> , 2013, 135, 22-25.	13.7	51
15	$\beta$ -Lactones Inhibit N-acyl ethanolamine Acid Amidase by S-Acylation of the Catalytic N-Terminal Cysteine. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 422-426.	2.8	36
16	Bile Acid Recognition by NAPE-PLD. <i>ACS Chemical Biology</i> , 2016, 11, 2908-2914.	3.4	36
17	Crystal chemistry and binding of NO <sub>2</sub> , SCN and SeCN to Co in cobalamins. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 51-59.	1.8	35
18	Protonation state and substrate binding to B2 metallo- $\beta$ -lactamase CphA from <i>Aeromonas hydrophila</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 69, 595-605.	2.6	33

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19	Mutational analysis of the zinc- and substrate-binding sites in the CphA metallo- $\beta$ -lactamase from <i>Aeromonas hydrophila</i> . <i>Biochemical Journal</i> , 2008, 414, 151-159.	3.7	33
20	Synthesis and characterization of the first inhibitor of <i>N</i> -acylphosphatidylethanolamine phospholipase D (NAPE-PLD). <i>Chemical Communications</i> , 2017, 53, 12814-12817.	4.1	33
21	Fluorine nuclear magnetic resonance-based assay in living mammalian cells. <i>Analytical Biochemistry</i> , 2016, 495, 52-59.	2.4	31
22	Mapping, Structure and Modulation of PPI. <i>Frontiers in Chemistry</i> , 2021, 9, 718405.	3.6	29
23	Cleavage of the iron-methionine bond in c-type cytochromes: Crystal structure of oxidized and reduced cytochrome c2 from <i>Rhodospseudomonas palustris</i> and its ammonia complex. <i>Protein Science</i> , 2002, 11, 6-17.	7.6	26
24	Activity-Based Probe for <i>N</i> -Acylethanolamine Acid Amidase. <i>ACS Chemical Biology</i> , 2015, 10, 2057-2064.	3.4	25
25	Penicillin G amidase in low-water media: immobilisation and control of water activity by means of celite rods. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 6, 437-445.	1.8	20
26	Development of Fragment-Based <i>n</i> -FABS NMR Screening Applied to the Membrane Enzyme FAAH. <i>ChemBioChem</i> , 2013, 14, 1611-1619.	2.6	19
27	Energy Landscapes Associated with Macromolecular Conformational Changes from Endpoint Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 17570-17577.	13.7	17
28	Role of Gln222 in Photoswitching of <i>Aequorea</i> Fluorescent Proteins: A Twisting and H-Bonding Affair?. <i>ACS Chemical Biology</i> , 2018, 13, 2082-2093.	3.4	14
29	Mechanism of Action of the Tumor Vessel Targeting Agent NGR-hTNF: Role of Both NGR Peptide and hTNF in Cell Binding and Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4511.	4.1	14
30	Facile fabrication of bioactive ultra-small protein-hydroxyapatite nanoconjugates via liquid-phase laser ablation and their enhanced osteogenic differentiation activity. <i>Journal of Materials Chemistry B</i> , 2017, 5, 279-288.	5.8	13
31	Fluorine NMR-Based Screening on Cell Membrane Extracts. <i>ChemMedChem</i> , 2014, 9, 286-289.	3.2	12
32	Heparin/heparan sulfates bind to and modulate neuronal L-type (Cav1.2) voltage-dependent Ca <sup>2+</sup> channels. <i>Experimental Neurology</i> , 2015, 274, 156-165.	4.1	10
33	Relationship between hydrogen-bonding network and reduction potential in c-type cytochromes. <i>FEBS Letters</i> , 2002, 516, 285-286.	2.8	9
34	Val-Ala Dipeptide Isosteres by Hydrocyanation of $\alpha,\beta$ -Amino $\alpha,\beta$ -Unsaturated Ketones: Control of Stereoselectivity by the N-Protecting Group. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1973-1982.	2.4	9
35	Crystallization and preliminary X-ray diffraction analysis of human transcobalamin, a vitamin B12-transporting protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1890-1892.	2.5	7
36	Active site plasticity revealed from the structure of the enterobacterial N-ribohydrolase RihA bound to a competitive inhibitor. <i>BMC Structural Biology</i> , 2010, 10, 14.	2.3	7

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37	Crystallization and preliminary X-ray analysis of two pH-dependent forms of cytochrome c <sub>2</sub> from <i>Rhodospseudomonas palustris</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1699-1701.	2.5	6
38	Development of potent dual PDK1/AurA kinase inhibitors for cancer therapy: Lead-optimization, structural insights, and ADME-Tox profile. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113895.	5.5	3
39	Novel Dual PDK1/AurK-A Inhibitors for Cancer Therapy: Med Chem Evolution and Crystallographic Investigation. <i>Proceedings (mdpi)</i> , 2019, 22, .	0.2	2
40	Neutralization of the anthrax toxin by antibody-mediated stapling of its membrane-penetrating loop. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1197-1205.	2.3	2
41	Cleavage of the iron-methionine bond in c-type cytochromes: Crystal structure of oxidized and reduced cytochrome c <sub>2</sub> from <i>Rhodospseudomonas palustris</i> and its ammonia complex. <i>Protein Science</i> , 2002, 11, 6-17.	7.6	0