

Nikos Pinotsis

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,192
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1832
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure and Regulation of Human Muscle β -Actinin. <i>Cell</i> , 2014, 159, 1447-1460.	28.9	178
2	Palindromic assembly of the giant muscle protein titin in the sarcomeric Z-disk. <i>Nature</i> , 2006, 439, 229-233.	27.8	166
3	Structure of yeast cytochrome c oxidase in a supercomplex with cytochrome bc1. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 78-83.	8.2	121
4	Mechanical Strength of the Titin Z1Z2-Telethonin Complex. <i>Structure</i> , 2006, 14, 497-509.	3.3	70
5	The M-band: The underestimated part of the sarcomere. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118440.	4.1	70
6	Virulence-Targeted Antibacterials: Concept, Promise, and Susceptibility to Resistance Mechanisms. <i>Chemical Biology and Drug Design</i> , 2015, 86, 379-399.	3.2	66
7	Fast-folding β -helices as reversible strain absorbers in the muscle protein myomesin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14139-14144.	7.1	59
8	The binding of β - and β -cyclodextrins to glycogen phosphorylase b: Kinetic and crystallographic studies. <i>Protein Science</i> , 2003, 12, 1914-1924.	7.6	48
9	Heterologous overexpression of <i>Glomerella cingulata</i> FAD-dependent glucose dehydrogenase in <i>Escherichia coli</i> and <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2011, 10, 106.	4.0	45
10	Second SH3 Domain of Ponsin Solved from Powder Diffraction. <i>Journal of the American Chemical Society</i> , 2007, 129, 11865-11871.	13.7	42
11	Rcf2 revealed in cryo-EM structures of hypoxic isoforms of mature mitochondrial III-IV supercomplexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9329-9337.	7.1	40
12	The structure of the $[4Fe-4S]$ ferredoxin from <i>Pseudomonas aeruginosa</i> at 1.32-Å... resolution: comparison with other high-resolution structures of ferredoxins and contributing structural features to reduction potential values. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 445-458.	2.6	36
13	Paxillin and Ponsin Interact in Nascent Costameres of Muscle Cells. <i>Journal of Molecular Biology</i> , 2007, 369, 665-682.	4.2	35
14	Superhelical Architecture of the Myosin Filament-Linking Protein Myomesin with Unusual Elastic Properties. <i>PLoS Biology</i> , 2012, 10, e1001261.	5.6	35
15	Molecular basis of the C-terminal tail-to-tail assembly of the sarcomeric filament protein myomesin. <i>EMBO Journal</i> , 2008, 27, 253-264.	7.8	33
16	Evidence for a dimeric assembly of two titin/telethonin complexes induced by the telethonin C-terminus. <i>Journal of Structural Biology</i> , 2006, 155, 239-250.	2.8	25
17	Chemiluminometric determination of reserpine and related alkaloids. <i>Analyst</i> , 2000, 125, 1307-1311.	3.5	19
18	The Center for Optimized Structural Studies (COSS) platform for automation in cloning, expression, and purification of single proteins and protein-protein complexes. <i>Amino Acids</i> , 2014, 46, 1565-1582.	2.7	15

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19	Terminal assembly of sarcomeric filaments by intermolecular β -sheet formation. Trends in Biochemical Sciences, 2009, 34, 33-39.	7.5	14
20	Inclusion compounds of plant growth regulators in cyclodextrins. V. 4-Chlorophenoxyacetic acid encapsulated in β -cyclodextrin and heptakis(2,3,6-tri-O-methyl)- β -cyclodextrin. Acta Crystallographica Section B: Structural Science, 2005, 61, 207-217.	1.8	13
21	Structure of the WipA protein reveals a novel tyrosine protein phosphatase effector from Legionella pneumophila. Journal of Biological Chemistry, 2017, 292, 9240-9251.	3.4	12
22	Calcium modulates the domain flexibility and function of an α -actinin similar to the ancestral α -actinin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22101-22112.	7.1	10
23	Crystal structure of the <i>Legionella pneumophila</i> Lpg2936 in complex with the cofactor S-adenosylmethionine reveals novel insights into the mechanism of RsmE family methyltransferases. Protein Science, 2017, 26, 2381-2391.	7.6	9
24	The role of the M-band myomesin proteins in muscle integrity and cardiac disease. Journal of Biomedical Science, 2022, 29, 18.	7.0	9
25	The Legionella effector WipB is a translocated Ser/Thr phosphatase that targets the host lysosomal nutrient sensing machinery. Scientific Reports, 2017, 7, 9450.	3.3	8
26	Characterization of the membrane interactions of phospholipase $C\beta$ reveals key features of the active enzyme. Science Advances, 2022, 8, .	10.3	7
27	Protein assemblies with palindromic structure motifs. Cellular and Molecular Life Sciences, 2008, 65, 2953-2956.	5.4	5
28	Cryo-EM structure of a monomeric yeast <i>S. cerevisiae</i> complex IV isolated with maltosides: Implications in supercomplex formation. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148591.	1.0	2
29	Structural insight into the Phosphoinositide-Regulated Cellular Dynamics of Alpha-Actinin. Biophysical Journal, 2015, 108, 16a.	0.5	0
30	Crystallization and Preliminary X-Ray Diffraction Study of the C-Terminal Fragment of Myomesin-2. Crystallography Reports, 2021, 66, 808-810.	0.6	0
31	Structure of muscle α -actinin: Insights into its regulation and Z-disk assembly. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C431-C431.	0.1	0