

Julius Kostan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

983
citations

623734

14
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure and Regulation of Human Muscle $\hat{\pm}$ -Actinin. <i>Cell</i> , 2014, 159, 1447-1460.	28.9	178
2	Novel Bilobe Components in <i>Trypanosoma brucei</i> Identified Using Proximity-Dependent Biotinylation. <i>Eukaryotic Cell</i> , 2013, 12, 356-367.	3.4	120
3	Structural and functional characterisation of the chlorite dismutase from the nitrite-oxidizing bacterium <i>Candidatus Nitrospira defluviia</i> . Identification of a catalytically important amino acid residue. <i>Journal of Structural Biology</i> , 2010, 172, 331-342.	2.8	79
4	Unexpected Diversity of Chlorite Dismutases: a Catalytically Efficient Dimeric Enzyme from <i>Nitrobacter winogradskyi</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2408-2417.	2.2	76
5	S-nitrosylation of microtubule-associated protein 1B mediates nitric-oxide-induced axon retraction. <i>Nature Cell Biology</i> , 2007, 9, 1035-1045.	10.3	73
6	Deciphering the BAR code of membrane modulators. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2413-2438.	5.4	57
7	Direct interaction of actin filaments with <i>F-actin</i> $\hat{\pm}$ BAR protein pacsin2. <i>EMBO Reports</i> , 2014, 15, 1154-1162.	4.5	56
8	Actin-binding domain of mouse plectin. Crystal structure and binding to vimentin. <i>FEBS Journal</i> , 2004, 271, 1873-1884.	0.2	55
9	Plectin Isoform-dependent Regulation of Keratin-Integrin $\hat{\pm}$ 24 Anchorage via Ca ²⁺ /Calmodulin. <i>Journal of Biological Chemistry</i> , 2009, 284, 18525-18536.	3.4	44
10	$\hat{\pm}$ -Actinin/titin interaction: A dynamic and mechanically stable cluster of bonds in the muscle Z-disk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1015-1020.	7.1	41
11	Manipulating Conserved Heme Cavity Residues of Chlorite Dismutase: Effect on Structure, Redox Chemistry, and Reactivity. <i>Biochemistry</i> , 2014, 53, 77-89.	2.5	32
12	Redox Thermodynamics of High-Spin and Low-Spin Forms of Chlorite Dismutases with Diverse Subunit and Oligomeric Structures. <i>Biochemistry</i> , 2012, 51, 9501-9512.	2.5	30
13	Structural Insights into Ca ²⁺ -Calmodulin Regulation of Plectin 1a-Integrin $\hat{\pm}$ 24 Interaction in Hemidesmosomes. <i>Structure</i> , 2015, 23, 558-570.	3.3	28
14	Impact of subunit and oligomeric structure on the thermal and conformational stability of chlorite dismutases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1031-1038.	2.3	18
15	Structures of three MORN repeat proteins and a re-evaluation of the proposed lipid-binding properties of MORN repeats. <i>PLoS ONE</i> , 2020, 15, e0242677.	2.5	18
16	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
17	Order from disorder in the sarcomere: FATZ forms a fuzzy but tight complex and phase-separated condensates with $\hat{\pm}$ -actinin. <i>Science Advances</i> , 2021, 7, .	10.3	15
18	Structure and possible mechanism of the CcbJ methyltransferase from <i>Streptomyces caelestis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 943-957.	2.5	11

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19	Calcium modulates the domain flexibility and function of an $\hat{\pm}$ -actinin similar to the ancestral $\hat{\pm}$ -actinin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22101-22112.	7.1	10
20	Molecular basis of F-actin regulation and sarcomere assembly via myotilin. PLoS Biology, 2021, 19, e3001148.	5.6	9
21	The structure and DNA-binding properties of Mgm101 from a yeast with a linear mitochondrial genome. Nucleic Acids Research, 2016, 44, 2227-2239.	14.5	7
22	Human Cardiac Ryanodine Receptor: Preparation, Crystallization and Preliminary X-ray Analysis of the N-terminal Region. Protein and Peptide Letters, 2013, 20, 1211-1216.	0.9	3
23	A RepA-like protein from bacteriophage BFK20 is a multifunctional protein with primase, polymerase, NTPase and helicase activities. Virus Research, 2015, 210, 178-187.	2.2	2
24	Tailored Suits Fit Better: Customized Protein Crystallization Screens. Crystal Growth and Design, 2020, 20, 984-994.	3.0	2
25	Title is missing!. , 2020, 15, e0242677.		0
26	Title is missing!. , 2020, 15, e0242677.		0
27	Title is missing!. , 2020, 15, e0242677.		0
28	Title is missing!. , 2020, 15, e0242677.		0
29	Title is missing!. , 2020, 15, e0242677.		0