

Rajaram Venkatesan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

109
citations

5
h-index

10
g-index

13
ext. papers

140
ext. citations

5.6
avg, IF

2.12
L-index

#	Paper	IF	Citations
12	Insights into mitochondrial fatty acid synthesis from the structure of heterotetrameric 3-ketoacyl-ACP reductase/3R-hydroxyacyl-CoA dehydrogenase. <i>Nature Communications</i> , 2014 , 5, 4805	17.4	27
11	Structure of mycobacterial β -oxidation trifunctional enzyme reveals its altered assembly and putative substrate channeling pathway. <i>ACS Chemical Biology</i> , 2013 , 8, 1063-73	4.9	24
10	Crystal structure of liganded rat peroxisomal multifunctional enzyme type 1: a flexible molecule with two interconnected active sites. <i>Journal of Biological Chemistry</i> , 2010 , 285, 24089-98	5.4	20
9	The first case in Asia of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (HSD10 disease) with atypical presentation. <i>Journal of Human Genetics</i> , 2014 , 59, 609-14	4.3	18
8	High resolution crystal structures of triosephosphate isomerase complexed with its suicide inhibitors: the conformational flexibility of the catalytic glutamate in its closed, liganded active site. <i>Protein Science</i> , 2011 , 20, 1387-97	6.3	8
7	Insights into the stability and substrate specificity of the E. coli aerobic β -oxidation trifunctional enzyme complex. <i>Journal of Structural Biology</i> , 2020 , 210, 107494	3.4	4
6	IceBear: an intuitive and versatile web application for research-data tracking from crystallization experiment to PDB deposition. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021 , 77, 151-163	5.5	3
5	Complementary substrate specificity and distinct quaternary assembly of the aerobic and anaerobic β -oxidation trifunctional enzyme complexes. <i>Biochemical Journal</i> , 2019 , 476, 1975-1994	3.8	2
4	Structural insights into the substrate-binding proteins Mce1A and Mce4A from. <i>IUCrJ</i> , 2021 , 8, 757-774	4.7	2
3	Crystallographic binding studies of rat peroxisomal multifunctional enzyme type 1 with 3-ketodecanoyl-CoA: capturing active and inactive states of its hydratase and dehydrogenase catalytic sites. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020 , 76, 1256-1269	5.5	1
2	Expression and analysis of the SAM-dependent RNA methyltransferase Rsm22 from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2021 , 77, 840-853	5.5	0
1	Substrate specificity and conformational flexibility properties of the Mycobacterium tuberculosis β -oxidation trifunctional enzyme. <i>Journal of Structural Biology</i> , 2021 , 213, 107776	3.4	0