

# Srinivasan Muniyappan

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

233  
citations

1163117

8  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Cooperative Protein Structural Dynamics of Homodimeric Hemoglobin from 100 ps to 10 ms with Pump-Probe X-ray Solution Scattering. <i>Journal of the American Chemical Society</i> , 2012, 134, 7001-7008.	13.7	82
2	Ultrafast coherent motion and helix rearrangement of homodimeric hemoglobin visualized with femtosecond X-ray solution scattering. <i>Nature Communications</i> , 2021, 12, 3677.	12.8	25
3	Deubiquitination Reactions on the Proteasome for Proteasome Versatility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5312.	4.1	24
4	Cooperative protein structural dynamics of homodimeric hemoglobin linked to water cluster at subunit interface revealed by time-resolved X-ray solution scattering. <i>Structural Dynamics</i> , 2016, 3, 023610.	2.3	22
5	SVD-aided pseudo principal-component analysis: A new method to speed up and improve determination of the optimum kinetic model from time-resolved data. <i>Structural Dynamics</i> , 2017, 4, 044013.	2.3	19
6	Effect of the abolition of intersubunit salt bridges on allosteric protein structural dynamics. <i>Chemical Science</i> , 2021, 12, 8207-8217.	7.4	13
7	Small-Molecule Inhibitors Targeting Proteasome-Associated Deubiquitinases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6213.	4.1	12
8	Protein Conformational Dynamics of Homodimeric Hemoglobin Revealed by Combined Time-Resolved Spectroscopic Probes. <i>ChemPhysChem</i> , 2010, 11, 109-114.	2.1	9
9	Protein Structural Dynamics of Wild-Type and Mutant Homodimeric Hemoglobin Studied by Time-Resolved X-Ray Solution Scattering. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3633.	4.1	7
10	<sup>17</sup> O NMR Spectroscopy: A Novel Probe for Characterizing Protein Structure and Folding. <i>Biology</i> , 2021, 10, 453.	2.8	6
11	Effect of Occluded Ligand Migration on the Kinetics and Structural Dynamics of Homodimeric Hemoglobin. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1550-1556.	2.6	5
12	Uncovering the Conformational Distribution of a Small Protein with Nanoparticle-Aided Cryo-Electron Microscopy Sampling. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6565-6573.	4.6	4
13	In vitro analysis of proteasome-associated USP14 activity for substrate degradation and deubiquitylation. <i>Methods in Enzymology</i> , 2019, 619, 249-268.	1.0	3
14	Aggregation-Prone Structural Ensembles of Transthyretin Collected With Regression Analysis for NMR Chemical Shift. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 766830.	3.5	2