

Shashi Bhushan

List of Publications by Year in descending order

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45
papers

2,450
citations

257450

24
h-index

265206

42
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45
all docs

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docs citations

45
times ranked

3025
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic assessment of mycobacterial F ₁ -ATPase subunit $\hat{\mu}$'s role in latent ATPase hydrolysis. FEBS Journal, 2021, 288, 818-836.	4.7	11
2	Insights into the mechanism and regulation of the CbbQO-type Rubisco activase, a MoxR AAA+ ATPase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 381-387.	7.1	33
3	Unique structural features of the Mycobacterium ribosome. Progress in Biophysics and Molecular Biology, 2020, 152, 15-24.	2.9	15
4	Cryo-EM structure of the highly atypical cytoplasmic ribosome of <i>Euglena gracilis</i> . Nucleic Acids Research, 2020, 48, 11750-11761.	14.5	19
5	A complex between the Zika virion and the Fab of a broadly cross-reactive neutralizing monoclonal antibody revealed by cryo-EM and single particle analysis at 4.1Å... resolution. Journal of Structural Biology: X, 2020, 4, 100028.	1.3	3
6	Structure and subunit arrangement of Mycobacterial F ₁ F ₀ ATP synthase and novel features of the unique mycobacterial subunit $\hat{\nu}$. Journal of Structural Biology, 2019, 207, 199-208.	2.8	22
7	The structural features of Acetobacterium woodii F ₁ F ₀ -ATP synthase reveal the importance of the unique subunit $\hat{\nu}$ loop in Na ⁺ translocation and ATP synthesis. FEBS Journal, 2019, 286, 1894-1907.	4.7	4
8	Atomic structure and enzymatic insights into the vancomycin-resistant Enterococcus faecalis (V583) alkylhydroperoxide reductase subunit C. Free Radical Biology and Medicine, 2018, 115, 252-265.	2.9	9
9	Structural basis of RIP2 activation and signaling. Nature Communications, 2018, 9, 4993.	12.8	65
10	Structure and function of Mycobacterium-specific components of F-ATP synthase subunits $\hat{\nu}$ and $\hat{\mu}$. Journal of Structural Biology, 2018, 204, 420-434.	2.8	9
11	Structures of Mycobacterium smegmatis 70S ribosomes in complex with HPF, tmRNA, and P-tRNA. Scientific Reports, 2018, 8, 13587.	3.3	37
12	Rational Engineering and Characterization of an mAb that Neutralizes Zika Virus by Targeting a Mutationally Constrained Quaternary Epitope. Cell Host and Microbe, 2018, 23, 618-627.e6.	11.0	28
13	Structural Basis for Linezolid Binding Site Rearrangement in the <i>Staphylococcus aureus</i> Ribosome. MBio, 2017, 8, .	4.1	37
14	Unique localization of the plastid-specific ribosomal proteins in the chloroplast ribosome small subunit provides mechanistic insights into the chloroplastic translation. Nucleic Acids Research, 2017, 45, 8581-8595.	14.5	38
15	AhpC of the mycobacterial antioxidant defense system and its interaction with its reducing partner Thioredoxin-C. Scientific Reports, 2017, 7, 5159.	3.3	20
16	Functional Evolution in Orthologous Cell-encoded RNA-dependent RNA Polymerases. Journal of Biological Chemistry, 2016, 291, 9295-9309.	3.4	13
17	Structure of the GTP Form of Elongation Factor 4 (EF4) Bound to the Ribosome. Journal of Biological Chemistry, 2016, 291, 12943-12950.	3.4	11
18	Cryo-EM structure of the large subunit of the spinach chloroplast ribosome. Scientific Reports, 2016, 6, 35793.	3.3	35

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19	The stimulating role of subunit F in ATPase activity inside the A1-complex of the Methanosarcina mazei GÅ1 A1AO ATP synthase. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 177-187.	1.0	10
20	Structure of BipA in GTP form bound to the ratcheted ribosome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10944-10949.	7.1	37
21	Identification and characterization of multiple rubisco activases in chemoautotrophic bacteria. Nature Communications, 2015, 6, 8883.	12.8	81
22	Cryo-electron Microscopic Structure of SecA Protein Bound to the 70S Ribosome. Journal of Biological Chemistry, 2014, 289, 7190-7199.	3.4	35
23	Microtubule nucleation from a functionalised SiO2 EM grid. RSC Advances, 2013, 3, 7688.	3.6	1
24	Correcting for AFM tip induced topography convolutions in proteinâ€DNA samples. Ultramicroscopy, 2012, 121, 8-15.	1.9	42
25	SecM-Stalled Ribosomes Adopt an Altered Geometry at the Peptidyl Transferase Center. PLoS Biology, 2011, 9, e1000581.	5.6	132
26	Nascent polypeptide chains within the ribosomal tunnel analyzed by cryo-EM. , 2011, , 393-404.		0
27	Localization of eukaryote-specific ribosomal proteins in a 5.5-â„« cryo-EM map of the 80S eukaryotic ribosome. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19754-19759.	7.1	122
28	Î±-Helical nascent polypeptide chains visualized within distinct regions of the ribosomal exit tunnel. Nature Structural and Molecular Biology, 2010, 17, 313-317.	8.2	187
29	Cryo-EM structure and rRNA model of a translating eukaryotic 80S ribosome at 5.5-â„« resolution. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19748-19753.	7.1	196
30	Structural Basis for Translational Stalling by Human Cytomegalovirus and Fungal Arginine Attenuator Peptide. Molecular Cell, 2010, 40, 138-146.	9.7	106
31	Structure of Monomeric Yeast and Mammalian Sec61 Complexes Interacting with the Translating Ribosome. Science, 2009, 326, 1369-1373.	12.6	263
32	In Vitro and In Vivo Protein Import Into Plant Mitochondria. Methods in Molecular Biology, 2007, 372, 297-314.	0.9	3
33	In Vitro and In Vivo Methods to Study Protein Import Into Plant Mitochondria. , 2007, 390, 131-150.		5
34	The role of the N-terminal domain of chloroplast targeting peptides in organellar protein import and miss-sorting. FEBS Letters, 2006, 580, 3966-3972.	2.8	73
35	The closed structure of presequence protease PreP forms a unique 10 000 Å...3 chamber for proteolysis. EMBO Journal, 2006, 25, 1977-1986.	7.8	93
36	Degradation of the Amyloid Î²-Protein by the Novel Mitochondrial Peptidosome, PreP. Journal of Biological Chemistry, 2006, 281, 29096-29104.	3.4	175

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37	Nuclear Photosynthetic Gene Expression Is Synergistically Modulated by Rates of Protein Synthesis in Chloroplasts and Mitochondria. <i>Plant Cell</i> , 2006, 18, 970-991.	6.6	117
38	Proteolytic mechanism of a novel mitochondrial and chloroplastic PreP peptidasome. <i>Biological Chemistry</i> , 2006, 387, 1087-90.	2.5	8
39	Two novel mitochondrial and chloroplastic targeting-peptide-degrading peptidasomes in <i>A. thaliana</i> , AtPreP1 and AtPreP2. <i>Biological Chemistry</i> , 2006, 387, 1441-7.	2.5	16
40	Catalysis, Subcellular Localization, Expression and Evolution of the Targeting Peptides Degrading Protease, AtPreP2. <i>Plant and Cell Physiology</i> , 2005, 46, 985-996.	3.1	56
41	Two Novel Targeting Peptide Degrading Proteases, PrePs, in Mitochondria and Chloroplasts, so Similar and Still Different. <i>Journal of Molecular Biology</i> , 2005, 349, 847-860.	4.2	77
42	Characterization of a novel zinc metalloprotease involved in degrading targeting peptides in mitochondria and chloroplasts. <i>Plant Journal</i> , 2003, 36, 616-628.	5.7	106
43	Dual targeting and function of a protease in mitochondria and chloroplasts. <i>EMBO Reports</i> , 2003, 4, 1073-1077.	4.5	82
44	Dual targeting and function of a protease in mitochondria and chloroplasts. <i>EMBO Reports</i> , 2003, 4, 1073-1077.	4.5	18
45	In Vitro and In Vivo Methods to Study Protein Import Into Plant Mitochondria. , 0, , 131-150.		0