

Shahid Khan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,009
citations

567247

15
h-index

610883

24
g-index

28
all docs

28
docs citations

28
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of mot gene expression on the structure of the flagellar motor. Journal of Molecular Biology, 1988, 202, 575-584.	4.2	207
2	Isotope and thermal effects in chemiosmotic coupling to the flagellar motor of streptococcus. Cell, 1983, 32, 913-919.	28.9	121
3	FliN is a Major Structural Protein of the C-ring in the Salmonella typhimurium Flagellar Basal Body. Journal of Molecular Biology, 1996, 261, 195-208.	4.2	109
4	Myosin Motors Drive Long Range Alignment of Actin Filaments. Journal of Biological Chemistry, 2010, 285, 4964-4974.	3.4	109
5	Assembly, Functions and Evolution of Archaeella, Flagella and Cilia. Current Biology, 2018, 28, R278-R292.	3.9	62
6	Variable Symmetry in Salmonella typhimurium Flagellar Motors. Biophysical Journal, 2003, 84, 571-577.	0.5	60
7	Binding of the Chemotaxis Response Regulator CheY to the Isolated, Intact Switch Complex of the Bacterial Flagellar Motor. Journal of Biological Chemistry, 2003, 278, 25867-25871.	3.4	53
8	Paradoxical signaling regulates structural plasticity in dendritic spines. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5298-307.	7.1	49
9	The Gearbox of the Bacterial Flagellar Motor Switch. Structure, 2016, 24, 1209-1220.	3.3	30
10	Multiple CaMKII Binding Modes to the Actin Cytoskeleton Revealed by Single-Molecule Imaging. Biophysical Journal, 2016, 111, 395-408.	0.5	29
11	Overproduced Salmonella typhimurium flagellar motor switch complexes. Journal of Molecular Biology, 2000, 298, 577-583.	4.2	23
12	Sequestration of CaMKII in dendritic spines in silico. Journal of Computational Neuroscience, 2011, 31, 581-594.	1.0	23
13	Architectural Dynamics of CaMKII-Actin Networks. Biophysical Journal, 2019, 116, 104-119.	0.5	23
14	The Fast Tumble Signal in Bacterial Chemotaxis. Biophysical Journal, 2004, 86, 4049-4058.	0.5	19
15	Spatiotemporal maps of CaMKII in dendritic spines. Journal of Computational Neuroscience, 2012, 33, 123-139.	1.0	18
16	Architectural Features of the Salmonella typhimurium Flagellar Motor Switch Revealed by Disrupted C-Rings. Journal of Structural Biology, 1998, 122, 311-319.	2.8	16
17	The Phylogenetic Signature Underlying ATP Synthase c-Ring Compliance. Biophysical Journal, 2015, 109, 975-987.	0.5	11
18	Characterization of C-ring component assembly in flagellar motors from amino acid coevolution. Royal Society Open Science, 2018, 5, 171854.	2.4	11

#	ARTICLE	IF	CITATIONS
19	Allosteric Priming of E.Âcoli CheY by the Flagellar Motor Protein FliM. Biophysical Journal, 2020, 119, 1108-1122.	0.5	9
20	Coevolved Mutations Reveal Distinct Architectures for Two Core Proteins in the Bacterial Flagellar Motor. PLoS ONE, 2015, 10, e0142407.	2.5	8
21	The Architectural Dynamics of the Bacterial Flagellar Motor Switch. Biomolecules, 2020, 10, 833.	4.0	7
22	A coevolution-guided model for the rotor of the bacterial flagellar motor. Scientific Reports, 2018, 8, 11754.	3.3	5
23	Conformational coupling by trans-phosphorylation in calcium calmodulin dependent kinase II. PLoS Computational Biology, 2019, 15, e1006796.	3.2	5
24	Conformational spread drives the evolution of the calciumâ€calmodulin protein kinase II. Scientific Reports, 2022, 12, 8499.	3.3	1
25	Subunit Capture Mechanics in Calcium Calmodulin Dependent Kinase II. SSRN Electronic Journal, 0, , .	0.4	0