

# Shahid Khan

## List of Publications by Year in descending order

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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	Conformational spread drives the evolution of the calcium-calmodulin protein kinase II. Scientific Reports, 2022, 12, 8499.	3.3	1
2	Allosteric Priming of E.Âcoli CheY by the Flagellar Motor Protein FliM. Biophysical Journal, 2020, 119, 1108-1122.	0.5	9
3	The Architectural Dynamics of the Bacterial Flagellar Motor Switch. Biomolecules, 2020, 10, 833.	4.0	7
4	Architectural Dynamics of CaMKII-Actin Networks. Biophysical Journal, 2019, 116, 104-119.	0.5	23
5	Conformational coupling by trans-phosphorylation in calcium calmodulin dependent kinase II. PLoS Computational Biology, 2019, 15, e1006796.	3.2	5
6	Assembly, Functions and Evolution of Archaeella, Flagella and Cilia. Current Biology, 2018, 28, R278-R292.	3.9	62
7	Characterization of C-ring component assembly in flagellar motors from amino acid coevolution. Royal Society Open Science, 2018, 5, 171854.	2.4	11
8	A coevolution-guided model for the rotor of the bacterial flagellar motor. Scientific Reports, 2018, 8, 11754.	3.3	5
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	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
12	The Phylogenetic Signature Underlying ATP Synthase c-Ring Compliance. Biophysical Journal, 2015, 109, 975-987.	0.5	11
13	Coevolved Mutations Reveal Distinct Architectures for Two Core Proteins in the Bacterial Flagellar Motor. PLoS ONE, 2015, 10, e0142407.	2.5	8
14	Spatiotemporal maps of CaMKII in dendritic spines. Journal of Computational Neuroscience, 2012, 33, 123-139.	1.0	18
15	Sequestration of CaMKII in dendritic spines in silico. Journal of Computational Neuroscience, 2011, 31, 581-594.	1.0	23
16	Myosin Motors Drive Long Range Alignment of Actin Filaments. Journal of Biological Chemistry, 2010, 285, 4964-4974.	3.4	109
17	The Fast Tumble Signal in Bacterial Chemotaxis. Biophysical Journal, 2004, 86, 4049-4058.	0.5	19
18	Variable Symmetry in Salmonella typhimurium Flagellar Motors. Biophysical Journal, 2003, 84, 571-577.	0.5	60

#	ARTICLE	IF	CITATIONS
19	Binding of the Chemotaxis Response Regulator CheY to the Isolated, Intact Switch Complex of the Bacterial Flagellar Motor. <i>Journal of Biological Chemistry</i> , 2003, 278, 25867-25871.	3.4	53
20	Overproduced <i>Salmonella typhimurium</i> flagellar motor switch complexes. <i>Journal of Molecular Biology</i> , 2000, 298, 577-583.	4.2	23
21	Architectural Features of the <i>Salmonella typhimurium</i> Flagellar Motor Switch Revealed by Disrupted C-Rings. <i>Journal of Structural Biology</i> , 1998, 122, 311-319.	2.8	16
22	FliN is a Major Structural Protein of the C-ring in the <i>Salmonella typhimurium</i> Flagellar Basal Body. <i>Journal of Molecular Biology</i> , 1996, 261, 195-208.	4.2	109
23	Effects of <i>mot</i> gene expression on the structure of the flagellar motor. <i>Journal of Molecular Biology</i> , 1988, 202, 575-584.	4.2	207
24	Isotope and thermal effects in chemiosmotic coupling to the flagellar motor of streptococcus. <i>Cell</i> , 1983, 32, 913-919.	28.9	121
25	Subunit Capture Mechanics in Calcium Calmodulin Dependent Kinase II. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0