Shankar Shastry

List of Publications by Year
in descending order

10	587	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	673
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neck Linker Length Determines the Degree of Processivity in Kinesin-1 and Kinesin-2 Motors. Current Biology, 2010, 20, 939-943.	3.9	110
2	Interhead tension determines processivity across diverse N-terminal kinesins. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16253-16258.	7.1	88
3	Transport by Populations of Fast and Slow Kinesins Uncovers Novel Family-Dependent Motor Characteristics Important for InÂVivo Function. Biophysical Journal, 2014, 107, 1896-1904.	0.5	83
4	The Mechanochemical Cycle of Mammalian Kinesin-2 KIF3A/B under Load. Current Biology, 2015, 25, 1166-1175.	3.9	75
5	The Processivity of Kinesin-2 Motors Suggests Diminished Front-Head Gating. Current Biology, 2009, 19, 442-447.	3.9	67
6	Hsp40s Specify Functions of Hsp104 and Hsp90 Protein Chaperone Machines. PLoS Genetics, 2014, 10, e1004720.	3.5	62
7	Interplay between E. coli DnaK, ClpB and GrpE during Protein Disaggregation. Journal of Molecular Biology, 2015, 427, 312-327.	4.2	55
8	Engineered kinesin motor proteins amenable to small-molecule inhibition. Nature Communications, 2016, 7, 11159.	12.8	28
9	Direct observation of nucleic acid binding dynamics by the telomerase essential N-terminal domain. Nucleic Acids Research, 2018, 46, 3088-3102.	14.5	10
10	Estimating Velocity for Processive Motor Proteins with Random Detachment. Journal of Agricultural, Biological, and Environmental Statistics, 2013, 18, 204-217.	1.4	9