Soma Ghosh

List of Publications by Year
in descending order

12 papers	**326** citations	933447 **10** h-index
12 all docs	**12** docs citations	**12** times ranked

1281871 **11** g-index

540 citing authors

#	Article	IF	Citations
1	Combinatorial selection in amoebal hosts drives the evolution of the human pathogen Legionella pneumophila. Nature Microbiology, 2020, 5, 599-609.	13.3	78
2	An analysis and evaluation of the WeFold collaborative for protein structure prediction and its pipelines in CASP11 and CASP12. Scientific Reports, 2018, 8, 9939.	3.3	19
3	Beyond Paralogs: The Multiple Layers of Redundancy in Bacterial Pathogenesis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 467.	3.9	84
4	Iron Limitation Triggers Early Egress by the Intracellular Bacterial Pathogen Legionella pneumophila. Infection and Immunity, 2016, 84, 2185-2197.	2.2	17
5	Protein Structure and Function: Looking through the Network of Side-Chain Interactions. Current Protein and Peptide Science, 2015, 17, 4-25.	1.4	51
6	Mechanism of Iron-Dependent Repressor (IdeR) Activation and DNA Binding: A Molecular Dynamics and Protein Structure Network Study. PLoS Computational Biology, 2015, 11, e1004500.	3.2	13
7	Systems Approaches to Study Infectious Diseases. , 2015, , 151-172.		0
8	Weighting schemes in metabolic graphs for identifying biochemical routes. Systems and Synthetic Biology, 2014, 8, 47-57.	1.0	2
9	Ranking the quality of protein structure models using sidechain based network properties. F1000Research, 2014, 3, 17.	1.6	11
10	A multi-level multi-scale approach to study essential genes in Mycobacterium tuberculosis. BMC Systems Biology, 2013, 7, 132.	3.0	17
11	Network properties of decoys and CASP predicted models: a comparison with native protein structures. Molecular BioSystems, 2013, 9, 1774.	2.9	21
12	Rule-based modelling of iron homeostasis in tuberculosis. Molecular BioSystems, 2011, 7, 2750.	2.9	13