Balaji Nagarajan

List of Publications by Year
in descending order

14	302	1040056 9	1199594 12
papers	citations	h-index	g-index

15	15	15	313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	So you think computational approaches to understanding glycosaminoglycanâ€“protein interactions are too dry and too rigid? Think again!. Current Opinion in Structural Biology, 2018, 50, 91-100.	5.7	68
2	Molecular Basis of Chemokine CXCL5-Glycosaminoglycan Interactions. Journal of Biological Chemistry, 2016, 291, 20539-20550.	3.4	47
3	Solution structure of CXCL13 and heparan sulfate binding show that GAG binding site and cellular signalling rely on distinct domains. Open Biology, 2017, 7, 170133.	3.6	33
4	Mucoadhesive role of tamarind xyloglucan on inflammation attenuates ulcerative colitis. Journal of Functional Foods, 2018, 47, 1-10.	3.4	30
5	Structural basis, stoichiometry, and thermodynamics of binding of the chemokines KC and MIP2 to the glycosaminoglycan heparin. Journal of Biological Chemistry, 2018, 293, 17817-17828.	3.4	26
6	Molecular dynamics simulations to understand glycosaminoglycan interactions in the free- and protein-bound states. Current Opinion in Structural Biology, 2022, 74, 102356.	5.7	23
7	A molecular dynamics-based algorithm for evaluating the glycosaminoglycan mimicking potential of synthetic, homogenous, sulfated small molecules. PLoS ONE, 2017, 12, e0171619.	2.5	22
8	Perspective on computational simulations of glycosaminoglycans. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1388.	14.6	21
9	Rigorous analysis of free solution glycosaminoglycan dynamics using simple, new tools. Glycobiology, 2020, 30, 516-527.	2.5	10
10	Combinatorial Virtual Library Screening Study of Transforming Growth Factor-Î²2â€“Chondroitin Sulfate System. International Journal of Molecular Sciences, 2021, 22, 7542.	4.1	9
11	In-Depth Molecular Dynamics Study of All Possible Chondroitin Sulfate Disaccharides Reveals Key Insight into Structural Heterogeneity and Dynamism. Biomolecules, 2022, 12, 77.	4.0	6
12	3-O-Sulfation induces sequence-specific compact topologies in heparan sulfate that encode a dynamic sulfation code. Computational and Structural Biotechnology Journal, 2022, 20, 3884-3898.	4.1	6
13	Aqueous Molecular for Understanding Glycosaminoglycan Recognition by. Methods in Molecular Biology, 2022, 2303, 49-62.	0.9	0
14	Computational Study of Glycosaminoglycan Specificity for Growth Factor and Chemokine Family Members. FASEB Journal, 2018, 32, 544.13.	0.5	0