Nehru Viji Sankaranarayanan

List of Publications by Year
in descending order

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34	709	516710	552781
papers	citations	16 h-index	26 g-index

36	36	36	825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computerized for Discovering Promising Glycosaminoglycan that Modulate Protein Function. Methods in Molecular Biology, 2022, 2303, 513-537.	0.9	1
2	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
3	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
4	High dose acetaminophen inhibits STAT3 and has free radical independent anti-cancer stem cell activity. Neoplasia, 2021, 23, 348-359.	5.3	9
5	Combinatorial Virtual Library Screening Study of Transforming Growth Factor-Î²2â€“Chondroitin Sulfate System. International Journal of Molecular Sciences, 2021, 22, 7542.	4.1	9
6	On the Selectivity of Heparan Sulfate Recognition by SARS-CoV-2 Spike Glycoprotein. ACS Medicinal Chemistry Letters, 2021, 12, 1710-1717.	2.8	22
7	Studies on fragment-based design of allosteric inhibitors of human factor XIa. Bioorganic and Medicinal Chemistry, 2020, 28, 115762.	3.0	6
8	Discovering small-molecule therapeutics against SARS-CoV-2. Drug Discovery Today, 2020, 25, 1535-1544.	6.4	85
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 analysis of antithrombin binding oligosaccharide motif generation by heparan sulfate 3-O-Sulfotransferase 1. Computational and Structural Biotechnology Journal, 2020, 18, 933-941.	4.1	13
11	On the Process of Discovering Leads That Target the Heparin-Binding Site of Neutrophil Elastase in the Sputum of Cystic Fibrosis Patients. Journal of Medicinal Chemistry, 2019, 62, 5501-5511.	6.4	14
12	Perspective on computational simulations of glycosaminoglycans. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1388.	14.6	21
13	A synthetic glycosaminoglycan mimetic blocks HSV-1 infection in human iris stromal cells. Antiviral Research, 2019, 161, 154-162.	4.1	14
14	Glycosaminoglycans and Glycosaminoglycan Mimetics as Human Neutrophil Elastase Inhibitors for Cystic Fibrosis Management. FASEB Journal, 2019, 33, 782.2.	0.5	0
15	Towards computational prediction of the heparan sulfate interactome. FASEB Journal, 2019, 33, 800.5.	0.5	0
16	Tamarind xyloglucan attenuates dextran sodium sulfate induced ulcerative colitis: Role of antioxidation. Journal of Functional Foods, 2018, 42, 327-338.	3.4	15
17	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
18	Mucoadhesive role of tamarind xyloglucan on inflammation attenuates ulcerative colitis. Journal of Functional Foods, 2018, 47, 1-10.	3.4	30

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19	Inhibition of Herpes Simplex Virus-1 Entry into Human Cells by Nonsaccharide Glycosaminoglycan Mimetics. ACS Medicinal Chemistry Letters, 2018, 9, 797-802.	2.8	27
20	Molecular principles for heparin oligosaccharideâ€"based inhibition of neutrophil elastase in cystic fibrosis. Journal of Biological Chemistry, 2018, 293, 12480-12490.	3.4	34
21	Understanding Heparin/Hparan Sulfate Biosynthetic Pathway in the Generation of Antithrombin Binding Motif using Combinatorial Virtual Library Screening (CVLS). FASEB Journal, 2018, 32, 673.29.	0.5	0
22	Computational Study of Glycosaminoglycan Specificity for Growth Factor and Chemokine Family Members. FASEB Journal, 2018, 32, 544.13.	0.5	0
23	A Hexasaccharide Containing Rare 2â€Oâ€Sulfateâ€Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. Angewandte Chemie - International Edition, 2017, 56, 2312-2317.	13.8	54
24	A Hexasaccharide Containing Rare 2â€Oâ€Sulfateâ€Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. Angewandte Chemie, 2017, 129, 2352-2357.	2.0	9
25	Potent, Selective, Allosteric Inhibition of Human Plasmin by Sulfated Non-Saccharide Glycosaminoglycan Mimetics. Journal of Medicinal Chemistry, 2017, 60, 641-657.	6.4	28
26	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
27	2-O, 3-O Desulfated Heparin Blocks High Mobility Group Box 1 Release by Inhibition of p300 Acetyltransferase Activity. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 90-98.	2.9	20
28	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
29	Transforming growth factor-Î²₂is sequestered in preterm human milk by chondroitin sulfate proteoglycans. American Journal of Physiology - Renal Physiology, 2015, 309, G171-G180.	3.4	20
30	Chemoenzymatically Prepared Heparan Sulfate Containing Rare 2-O-Sulfonated Glucuronic Acid Residues. ACS Chemical Biology, 2015, 10, 1485-1494.	3.4	16
31	Heparin interaction with a receptor on hyperglycemic dividing cells prevents intracellular hyaluronan synthesis and autophagy responses in models of type 1 diabetes. Matrix Biology, 2015, 48, 36-41.	3.6	17
32	Designing â€œHigh-Affinity, High-Specificityâ€•Glycosaminoglycan Sequences Through Computerized Modeling. Methods in Molecular Biology, 2015, 1229, 289-314.	0.9	16
33	Toward a robust computational screening strategy for identifying glycosaminoglycan sequences that display high specificity for target proteins. Glycobiology, 2014, 24, 1323-1333.	2.5	38
34	Proteinâ^'Ligand Docking Using Mutually Orthogonal Latin Squares (MOLSDOCK). Journal of Chemical Information and Modeling, 2009, 49, 2687-2694.	5.4	13