

# Nehru Viji Sankaranarayanan

## List of Publications by Year in descending order

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34  
papers

709  
citations

516710

16  
h-index

552781

26  
g-index

36  
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36  
docs citations

36  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering small-molecule therapeutics against SARS-CoV-2. <i>Drug Discovery Today</i> , 2020, 25, 1535-1544.	6.4	85
2	So you think computational approaches to understanding glycosaminoglycan-protein interactions are too dry and too rigid? Think again!. <i>Current Opinion in Structural Biology</i> , 2018, 50, 91-100.	5.7	68
3	A Hexasaccharide Containing Rare 2-O-Sulfate-Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2312-2317.	13.8	54
4	Toward a robust computational screening strategy for identifying glycosaminoglycan sequences that display high specificity for target proteins. <i>Glycobiology</i> , 2014, 24, 1323-1333.	2.5	38
5	Molecular principles for heparin oligosaccharide-based inhibition of neutrophil elastase in cystic fibrosis. <i>Journal of Biological Chemistry</i> , 2018, 293, 12480-12490.	3.4	34
6	Solution structure of CXCL13 and heparan sulfate binding show that GAG binding site and cellular signalling rely on distinct domains. <i>Open Biology</i> , 2017, 7, 170133.	3.6	33
7	Mucoadhesive role of tamarind xyloglucan on inflammation attenuates ulcerative colitis. <i>Journal of Functional Foods</i> , 2018, 47, 1-10.	3.4	30
8	Potent, Selective, Allosteric Inhibition of Human Plasmin by Sulfated Non-Saccharide Glycosaminoglycan Mimetics. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 641-657.	6.4	28
9	Inhibition of Herpes Simplex Virus-1 Entry into Human Cells by Nonsaccharide Glycosaminoglycan Mimetics. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 797-802.	2.8	27
10	Molecular dynamics simulations to understand glycosaminoglycan interactions in the free- and protein-bound states. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102356.	5.7	23
11	A molecular dynamics-based algorithm for evaluating the glycosaminoglycan mimicking potential of synthetic, homogenous, sulfated small molecules. <i>PLoS ONE</i> , 2017, 12, e0171619.	2.5	22
12	On the Selectivity of Heparan Sulfate Recognition by SARS-CoV-2 Spike Glycoprotein. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1710-1717.	2.8	22
13	Perspective on computational simulations of glycosaminoglycans. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2019, 9, e1388.	14.6	21
14	Transforming growth factor- $\beta_2$ is sequestered in preterm human milk by chondroitin sulfate proteoglycans. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G171-G180.	3.4	20
15	2-O, 3-O Desulfated Heparin Blocks High Mobility Group Box 1 Release by Inhibition of p300 Acetyltransferase Activity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 90-98.	2.9	20
16	Heparin interaction with a receptor on hyperglycemic dividing cells prevents intracellular hyaluronan synthesis and autophagy responses in models of type 1 diabetes. <i>Matrix Biology</i> , 2015, 48, 36-41.	3.6	17
17	Chemoenzymatically Prepared Heparan Sulfate Containing Rare 2-O-Sulfonated Glucuronic Acid Residues. <i>ACS Chemical Biology</i> , 2015, 10, 1485-1494.	3.4	16
18	Designing High-Affinity, High-Specificity Glycosaminoglycan Sequences Through Computerized Modeling. <i>Methods in Molecular Biology</i> , 2015, 1229, 289-314.	0.9	16

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19	Tamarind xyloglucan attenuates dextran sodium sulfate induced ulcerative colitis: Role of antioxidation. <i>Journal of Functional Foods</i> , 2018, 42, 327-338.	3.4	15
20	On the Process of Discovering Leads That Target the Heparin-Binding Site of Neutrophil Elastase in the Sputum of Cystic Fibrosis Patients. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5501-5511.	6.4	14
21	A synthetic glycosaminoglycan mimetic blocks HSV-1 infection in human iris stromal cells. <i>Antiviral Research</i> , 2019, 161, 154-162.	4.1	14
22	Protein-Ligand Docking Using Mutually Orthogonal Latin Squares (MOLSDOCK). <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2687-2694.	5.4	13
23	Combinatorial virtual library screening analysis of antithrombin binding oligosaccharide motif generation by heparan sulfate 3-O-Sulfotransferase 1. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 933-941.	4.1	13
24	Rigorous analysis of free solution glycosaminoglycan dynamics using simple, new tools. <i>Glycobiology</i> , 2020, 30, 516-527.	2.5	10
25	A Hexasaccharide Containing Rare Sulfate-Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. <i>Angewandte Chemie</i> , 2017, 129, 2352-2357.	2.0	9
26	High dose acetaminophen inhibits STAT3 and has free radical independent anti-cancer stem cell activity. <i>Neoplasia</i> , 2021, 23, 348-359.	5.3	9
27	Combinatorial Virtual Library Screening Study of Transforming Growth Factor- $\beta$ 2 Chondroitin Sulfate System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7542.	4.1	9
28	Studies on fragment-based design of allosteric inhibitors of human factor XIa. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115762.	3.0	6
29	In-Depth Molecular Dynamics Study of All Possible Chondroitin Sulfate Disaccharides Reveals Key Insight into Structural Heterogeneity and Dynamism. <i>Biomolecules</i> , 2022, 12, 77.	4.0	6
30	Computerized for Discovering Promising Glycosaminoglycan that Modulate Protein Function. <i>Methods in Molecular Biology</i> , 2022, 2303, 513-537.	0.9	1
31	Understanding Heparin/Hparan Sulfate Biosynthetic Pathway in the Generation of Antithrombin Binding Motif using Combinatorial Virtual Library Screening (CVLS). <i>FASEB Journal</i> , 2018, 32, 673.29.	0.5	0
32	Computational Study of Glycosaminoglycan Specificity for Growth Factor and Chemokine Family Members. <i>FASEB Journal</i> , 2018, 32, 544.13.	0.5	0
33	Glycosaminoglycans and Glycosaminoglycan Mimetics as Human Neutrophil Elastase Inhibitors for Cystic Fibrosis Management. <i>FASEB Journal</i> , 2019, 33, 782.2.	0.5	0
34	Towards computational prediction of the heparan sulfate interactome. <i>FASEB Journal</i> , 2019, 33, 800.5.	0.5	0