

Akul Y Mehta

List of Publications by Year in descending order

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25
papers

700
citations

567281

15
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	GlyGen: Computational and Informatics Resources for Glycoscience. <i>Glycobiology</i> , 2020, 30, 72-73.	2.5	123
2	Sulfated Pentagalloylglucoside Is a Potent, Allosteric, and Selective Inhibitor of Factor XIa. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 867-878.	6.4	81
3	Rational Design of Potent, Small, Synthetic Allosteric Inhibitors of Thrombin. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5522-5531.	6.4	48
4	Designing Allosteric Regulators of Thrombin. Exosite 2 Features Multiple Subsites That Can Be Targeted by Sulfated Small Molecules for Inducing Inhibition. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5059-5070.	6.4	48
5	GLAD: Glycan Array Dashboard, a visual analytics tool for glycan microarrays. <i>Bioinformatics</i> , 2019, 35, 3536-3537.	4.1	36
6	GlycoGlyph: a glycan visualizing, drawing and naming application. <i>Bioinformatics</i> , 2020, 36, 3613-3614.	4.1	36
7	Antigenic Pressure on H3N2 Influenza Virus Drift Strains Imposes Constraints on Binding to Sialylated Receptors but Not Phosphorylated Glycans. <i>Journal of Virology</i> , 2019, 93, .	3.4	34
8	Allosteric Partial Inhibition of Monomeric Proteases. Sulfated Coumarins Induce Regulation, not just Inhibition, of Thrombin. <i>Scientific Reports</i> , 2016, 6, 24043.	3.3	32
9	Emerging patterns of tyrosine sulfation and O-glycosylation cross-talk and co-localization. <i>Current Opinion in Structural Biology</i> , 2020, 62, 102-111.	5.7	26
10	Allosteric Inhibition of Human Factor XIa: Discovery of Monosulfated Benzofurans as a Class of Promising Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3559-3569.	6.4	24
11	Targeting the GPIIb/IIIa Binding Site of Thrombin To Simultaneously Induce Dual Anticoagulant and Antiplatelet Effects. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3030-3039.	6.4	22
12	Interaction of Thrombin with Sucrose Octasulfate. <i>Biochemistry</i> , 2011, 50, 6973-6982.	2.5	19
13	Potent direct inhibitors of factor Xa based on the tetrahydroisoquinoline scaffold. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 771-783.	5.5	19
14	Novel Reversible Fluorescent Glycan Linker for Functional Glycomics. <i>Bioconjugate Chemistry</i> , 2019, 30, 2897-2908.	3.6	18
15	Unique repertoire of anti-carbohydrate antibodies in individual human serum. <i>Scientific Reports</i> , 2020, 10, 15436.	3.3	18
16	Differential recognition of oligomannose isomers by glycan-binding proteins involved in innate and adaptive immunity. <i>Science Advances</i> , 2021, 7, .	10.3	18
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	An update on recent patents on thrombin inhibitors (2010 – 2013). <i>Expert Opinion on Therapeutic Patents</i> , 2014, 24, 47-67.	5.0	14

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19	GlyMDB: Glycan Microarray Database and analysis toolset. <i>Bioinformatics</i> , 2020, 36, 2438-2442.	4.1	14
20	Tumor cells express pauci- and oligomannosidic N-glycans in glycoproteins recognized by the mannose receptor (CD206). <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5569-5585.	5.4	13
21	Tools for generating and analyzing glycan microarray data. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2260-2271.	2.2	10
22	Parallel Glyco-SPOT Synthesis of Glycopeptide Libraries. <i>Cell Chemical Biology</i> , 2020, 27, 1207-1219.e9.	5.2	9
23	Substantial non-electrostatic forces are needed to induce allosteric disruption of thrombin's active site through exosite 2. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 813-816.	2.1	8
24	Comparative analysis of INLIGHT, ϕ -labeled enzymatically depolymerized heparin by reverse-phase chromatography and high-performance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 499-509.	3.7	8
25	Structural modification of azolylacryloyl derivatives yields a novel class of covalent modifiers of hemoglobin as potential antisickling agents. <i>MedChemComm</i> , 2019, 10, 1900-1906.	3.4	6