

Kamil Godula

List of Publications by Year in descending order

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35
papers

2,482
citations

516710

16
h-index

361022

35
g-index

44
all docs

44
docs citations

44
times ranked

4522
citing authors

#	ARTICLE	IF	CITATIONS
1	Stem Cell Microarrays for Assessing Growth Factor Signaling in Engineered Glycan Microenvironments. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101232.	7.6	1
2	PABP1 Drives the Selective Translation of Influenza A Virus mRNA. <i>Journal of Molecular Biology</i> , 2022, 434, 167460.	4.2	5
3	Cell surface photoengineering enables modeling of glycocalyx shedding dynamics. <i>Chemical Science</i> , 2022, 13, 6626-6635.	7.4	2
4	Biologically Derived Neoproteoglycans for Profiling Protein-Glycosaminoglycan Interactions. <i>ACS Chemical Biology</i> , 2022, 17, 1534-1542.	3.4	2
5	Genome-wide screens uncover KDM2B as a modifier of protein binding to heparan sulfate. <i>Nature Chemical Biology</i> , 2021, 17, 684-692.	8.0	14
6	Glycocalyx crowding with mucin mimetics strengthens binding of soluble and virus-associated lectins to host cell glycan receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
7	Spatially controlled glycocalyx engineering for growth factor patterning in embryoid bodies. <i>Biomaterials Science</i> , 2021, 9, 1652-1659.	5.4	7
8	Mucin-mimetic glycan arrays integrating machine learning for analyzing receptor pattern recognition by influenza A viruses. <i>CheM</i> , 2021, 7, 3393-3411.	11.7	9
9	SARS-CoV-2 Infection Depends on Cellular Heparan Sulfate and ACE2. <i>Cell</i> , 2020, 183, 1043-1057.e15.	28.9	860
10	Efficient Synthesis of Heparinoid Bioconjugates for Tailoring FGF2 Activity at the Stem Cell-Matrix Interface. <i>Bioconjugate Chemistry</i> , 2019, 30, 833-840.	3.6	5
11	Surface Sugars Get Cells in Shape. <i>Cell</i> , 2019, 177, 1672-1674.	28.9	2
12	Engineering of spectator glycocalyx structures to evaluate molecular interactions at crowded cellular boundaries. <i>Faraday Discussions</i> , 2019, 219, 138-153.	3.2	17
13	Synthetic glycoscapes: addressing the structural and functional complexity of the glycocalyx. <i>Interface Focus</i> , 2019, 9, 20180080.	3.0	44
14	Silencing glycosaminoglycan functions in mouse embryonic stem cells with small molecule antagonists. <i>Methods in Enzymology</i> , 2019, 626, 249-270.	1.0	4
15	Following sugar patterns in search of galectin function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2548-2550.	7.1	7
16	Small Molecule Antagonist of Cell Surface Glycosaminoglycans Restricts Mouse Embryonic Stem Cells in a Pluripotent State. <i>Stem Cells</i> , 2018, 36, 45-54.	3.2	14
17	Heparin-fibronectin interactions in the development of extracellular matrix insolubility. <i>Matrix Biology</i> , 2018, 67, 107-122.	3.6	24
18	Embryonic Stem Cell Engineering with a Glycomimetic FGF2/BMP4 Co-Receptor Drives Mesodermal Differentiation in a Three-Dimensional Culture. <i>ACS Chemical Biology</i> , 2018, 13, 2880-2887.	3.4	20

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19	Glycocalyx Scaffolding to Control Cell Surface Glycan Displays. <i>Current Protocols in Chemical Biology</i> , 2018, 10, e40.	1.7	3
20	Influencing Early Stages of Neuromuscular Junction Formation through Glycocalyx Engineering. <i>ACS Chemical Neuroscience</i> , 2018, 9, 3086-3093.	3.5	11
21	Harnessing glycocalyx interactions to modulate differentiation and development. <i>FASEB Journal</i> , 2018, 32, 673.16.	0.5	0
22	Glycocalyx scaffolding with synthetic nanoscale glycomaterials. <i>Biomaterials Science</i> , 2017, 5, 1537-1540.	5.4	18
23	Capture and characterization of influenza A virus from primary samples using glycan bead arrays. <i>Virology</i> , 2016, 493, 128-135.	2.4	18
24	Glycomaterials for probing host-pathogen interactions and the immune response. <i>Experimental Biology and Medicine</i> , 2016, 241, 1042-1053.	2.4	10
25	Synthetic Mucus Nanobarrriers for Identification of Glycan-Dependent Primary Influenza A Infection Inhibitors. <i>ACS Central Science</i> , 2016, 2, 710-714.	11.3	21
26	Nanoscale materials for probing the biological functions of the glycocalyx. <i>Glycobiology</i> , 2016, 26, 797-803.	2.5	23
27	Glycocalyx Remodeling with Glycopolymer-Based Proteoglycan Mimetics. <i>Methods in Molecular Biology</i> , 2016, 1367, 207-224.	0.9	3
28	Determination of receptor specificities for whole influenza viruses using multivalent glycan arrays. <i>Chemical Communications</i> , 2015, 51, 5326-5329.	4.1	54
29	Glycocalyx Remodeling with Proteoglycan Mimetics Promotes Neural Specification in Embryonic Stem Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 10565-10568.	13.7	130
30	The cancer glycocalyx mechanically primes integrin-mediated growth and survival. <i>Nature</i> , 2014, 511, 319-325.	27.8	610
31	Modulation of Ocular Surface Glycocalyx Barrier Function by a Galectin-3 N-terminal Deletion Mutant and Membrane-Anchored Synthetic Glycopolymers. <i>PLoS ONE</i> , 2013, 8, e72304.	2.5	41
32	Density Variant Glycan Microarray for Evaluating Cross-Linking of Mucin-like Glycoconjugates by Lectins. <i>Journal of the American Chemical Society</i> , 2012, 134, 15732-15742.	13.7	140
33	Synthesis of Glycopolymers for Microarray Applications via Ligation of Reducing Sugars to a Poly(acryloyl hydrazide) Scaffold. <i>Journal of the American Chemical Society</i> , 2010, 132, 9963-9965.	13.7	143
34	Synthesis and Microcontact Printing of Dual End-Functionalized Mucin-like Glycopolymers for Microarray Applications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4973-4976.	13.8	132
35	Control of the Molecular Orientation of Membrane-Anchored Biomimetic Glycopolymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 10263-10268.	13.7	47