Kamil Godula

List of Publications by Year
in descending order

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	SARS-CoV-2 Infection Depends on Cellular Heparan Sulfate and ACE2. Cell, 2020, 183, 1043-1057.e15.	28.9	860
2	The cancer glycocalyx mechanically primes integrin-mediated growth and survival. Nature, 2014, 511, 319-325.	27.8	610
3	Synthesis of Glycopolymers for Microarray Applications via Ligation of Reducing Sugars to a Poly(acryloyl hydrazide) Scaffold. Journal of the American Chemical Society, 2010, 132, 9963-9965.	13.7	143
4	Density Variant Glycan Microarray for Evaluating Cross-Linking of Mucin-like Glycoconjugates by Lectins. Journal of the American Chemical Society, 2012, 134, 15732-15742.	13.7	140
5	Synthesis and Microcontact Printing of Dual Endâ€Functionalized Mucinâ€like Glycopolymers for Microarray Applications. Angewandte Chemie - International Edition, 2009, 48, 4973-4976.	13.8	132
6	Glycocalyx Remodeling with Proteoglycan Mimetics Promotes Neural Specification in Embryonic Stem Cells. Journal of the American Chemical Society, 2014, 136, 10565-10568.	13.7	130
7	Determination of receptor specificities for whole influenza viruses using multivalent glycan arrays. Chemical Communications, 2015, 51, 5326-5329.	4.1	54
8	Control of the Molecular Orientation of Membrane-Anchored Biomimetic Glycopolymers. Journal of the American Chemical Society, 2009, 131, 10263-10268.	13.7	47
9	Synthetic glycoscapes: addressing the structural and functional complexity of the glycocalyx. Interface Focus, 2019, 9, 20180080.	3.0	44
10	Modulation of Ocular Surface Glycocalyx Barrier Function by a Galectin-3 N-terminal Deletion Mutant and Membrane-Anchored Synthetic Glycopolymers. PLoS ONE, 2013, 8, e72304.	2.5	41
11	Heparin-fibronectin interactions in the development of extracellular matrix insolubility. Matrix Biology, 2018, 67, 107-122.	3.6	24
12	Nanoscale materials for probing the biological functions of the glycocalyx. Glycobiology, 2016, 26, 797-803.	2.5	23
13	Synthetic Mucus Nanobarriers for Identification of Glycan-Dependent Primary Influenza A Infection Inhibitors. ACS Central Science, 2016, 2, 710-714.	11.3	21
14	Embryonic Stem Cell Engineering with a Glycomimetic FGF2/BMP4 Co-Receptor Drives Mesodermal Differentiation in a Three-Dimensional Culture. ACS Chemical Biology, 2018, 13, 2880-2887.	3.4	20
15	Capture and characterization of influenza A virus from primary samples using glycan bead arrays. Virology, 2016, 493, 128-135.	2.4	18
16	Glycocalyx scaffolding with synthetic nanoscale glycomaterials. Biomaterials Science, 2017, 5, 1537-1540.	5.4	18
17	Glycocalyx crowding with mucin mimetics strengthens binding of soluble and virus-associated lectins to host cell glycan receptors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
18	Engineering of spectator glycocalyx structures to evaluate molecular interactions at crowded cellular boundaries. Faraday Discussions, 2019, 219, 138-153.	3.2	17

#	Article	IF	Citations
19	Small Molecule Antagonist of Cell Surface Glycosaminoglycans Restricts Mouse Embryonic Stem Cells in a Pluripotent State. Stem Cells, 2018, 36, 45-54.	3.2	14
20	Genome-wide screens uncover KDM2B as a modifier of protein binding to heparan sulfate. Nature Chemical Biology, 2021, 17, 684-692.	8.0	14
21	Influencing Early Stages of Neuromuscular Junction Formation through Glycocalyx Engineering. ACS Chemical Neuroscience, 2018, 9, 3086-3093.	3.5	11
22	Glycomaterials for probing hostâ€“pathogen interactions and the immune response. Experimental Biology and Medicine, 2016, 241, 1042-1053.	2.4	10
23	Mucin-mimetic glycan arrays integrating machine learning for analyzing receptor pattern recognition by influenza A viruses. CheM, 2021, 7, 3393-3411.	11.7	9
24	Following sugar patterns in search of galectin function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2548-2550.	7.1	7
25	Spatially controlled glycocalyx engineering for growth factor patterning in embryoid bodies. Biomaterials Science, 2021, 9, 1652-1659.	5.4	7
26	Efficient Synthesis of Heparinoid Bioconjugates for Tailoring FGF2 Activity at the Stem Cellâ€“Matrix Interface. Bioconjugate Chemistry, 2019, 30, 833-840.	3.6	5
27	PABP1 Drives the Selective Translation of Influenza A Virus mRNA. Journal of Molecular Biology, 2022, 434, 167460.	4.2	5
28	Silencing glycosaminoglycan functions in mouse embryonic stem cells with small molecule antagonists. Methods in Enzymology, 2019, 626, 249-270.	1.0	4
29	Glycocalyx Scaffolding to Control Cell Surface Glycan Displays. Current Protocols in Chemical Biology, 2018, 10, e40.	1.7	3
30	Glycocalyx Remodeling with Glycopolymer-Based Proteoglycan Mimetics. Methods in Molecular Biology, 2016, 1367, 207-224.	0.9	3
31	Surface Sugars Get Cells in Shape. Cell, 2019, 177, 1672-1674.	28.9	2
32	Cell surface photoengineering enables modeling of glycocalyx shedding dynamics. Chemical Science, 2022, 13, 6626-6635.	7.4	2
33	Biologically Derived Neoproteoglycans for Profiling Proteinâ€“Glycosaminoglycan Interactions. ACS Chemical Biology, 2022, 17, 1534-1542.	3.4	2
34	Stem Cell Microarrays for Assessing Growth Factor Signaling in Engineered Glycan Microenvironments. Advanced Healthcare Materials, 2022, 11, e2101232.	7.6	1
35	Harnessing glycocalyx interactions to modulate differentiation and development. FASEB Journal, 2018, 32, 673.16.	0.5	0