

# Thomas J Tolbert

## List of Publications by Year in descending order

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18  
papers

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citations

759233

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839539

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18  
docs citations

18  
times ranked

413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Glycan Structure on the Stability and Receptor Binding of an IgG4-Fc. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 677-689.	3.3	6
2	Multifaceted assessment of rituximab biosimilarity: The impact of glycan microheterogeneity on Fc function. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 146, 111-124.	4.3	21
3	Photoinduced Tyrosine Side Chain Fragmentation in IgG4-Fc: Mechanisms and Solvent Isotope Effects. <i>Molecular Pharmaceutics</i> , 2019, 16, 258-272.	4.6	15
4	Impact of Glycosylation on the Local Backbone Flexibility of Well-Defined IgG1-Fc Glycoforms Using Hydrogen Exchange-Mass Spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2315-2324.	3.3	15
5	Synthesis of a Bifunctional Peptide Inhibitor of IgG1 Fc Fusion That Suppresses Experimental Autoimmune Encephalomyelitis. <i>Bioconjugate Chemistry</i> , 2017, 28, 1867-1877.	3.6	8
6	A Multidimensional Analytical Comparison of Remicade and the Biosimilar Remsima. <i>Analytical Chemistry</i> , 2017, 89, 4838-4846.	6.5	64
7	Structural characterization of the Man5 glycoform of human IgG3 Fc. <i>Molecular Immunology</i> , 2017, 92, 28-37.	2.2	21
8	Biosimilarity under stress: A forced degradation study of Remicade® and Remsima®, <i>MABs</i> , 2017, 9, 1197-1209.	5.2	36
9	Correlating the Impact of Well-Defined Oligosaccharide Structures on Physical Stability Profiles of IgG1-Fc Glycoforms. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 588-601.	3.3	24
10	Biosimilarity Assessments of Model IgG1-Fc Glycoforms Using a Machine Learning Approach. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 602-612.	3.3	11
11	Disulfide bond characterization of endogenous IgG3 monoclonal antibodies using LC-MS: an investigation of IgG3 disulfide-mediated isoforms. <i>Analytical Methods</i> , 2016, 8, 6046-6055.	2.7	11
12	Comparative Evaluation of the Chemical Stability of 4 Well-Defined Immunoglobulin G1-Fc Glycoforms. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 575-587.	3.3	20
13	Production, Characterization, and Biological Evaluation of Well-Defined IgG1 Fc Glycoforms as a Model System for Biosimilarity Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 559-574.	3.3	27
14	Versatile on-resin synthesis of high mannose glycosylated asparagine with functional handles. <i>Carbohydrate Research</i> , 2014, 383, 69-75.	2.3	3
15	Physical Stability Comparisons of IgG1-Fc Variants: Effects of N-Glycosylation Site Occupancy and Asp/Gln Residues at Site Asn 297. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1613-1627.	3.3	31
16	Site-Specific Chemical Modification of a Glycoprotein Fragment Expressed in Yeast. <i>Methods in Molecular Biology</i> , 2011, 751, 329-342.	0.9	2
17	Synthesis of Polymerizable Protein Monomers for Protein-Acrylamide Hydrogel Formation. <i>Biomacromolecules</i> , 2009, 10, 1939-1946.	5.4	15
18	Targeting a Homogeneously Glycosylated Antibody Fc To Bind Cancer Cells Using a Synthetic Receptor Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 13616-13618.	13.7	26