

# Andreas Loos

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

676  
citations

759233

12  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

764  
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Glycosylation of Plant-produced Recombinant Proteins. <i>Current Pharmaceutical Design</i> , 2013, 19, 5503-5512.	1.9	101
2	Expression and glycoengineering of functionally active heteromultimeric IgM in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6263-6268.	7.1	77
3	The human anti-HIV antibodies 2F5, 2G12, and PG9 differ in their susceptibility to proteolytic degradation: Downregulation of endogenous serine and cysteine proteinase activities could improve antibody production in plant-based expression platforms. <i>Biotechnology Journal</i> , 2014, 9, 493-500.	3.5	59
4	Structural and functional characterization of an anti-West Nile virus monoclonal antibody and its single-chain variant produced in glycoengineered plants. <i>Plant Biotechnology Journal</i> , 2014, 12, 1098-1107.	8.3	58
5	Therapeutic activity of an inhaled potent SARS-CoV-2 neutralizing human monoclonal antibody in hamsters. <i>Cell Reports Medicine</i> , 2021, 2, 100218.	6.5	57
6	IgG-Fc glycoengineering in non-mammalian expression hosts. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 167-173.	3.0	56
7	Production of monoclonal antibodies with a controlled N-glycosylation pattern in seeds of <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Journal</i> , 2011, 9, 179-192.	8.3	50
8	Expression of Antibody Fragments with a Controlled N-Glycosylation Pattern and Induction of Endoplasmic Reticulum-Derived Vesicles in Seeds of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 155, 2036-2048.	4.8	50
9	Plant glyco-biotechnology on the way to synthetic biology. <i>Frontiers in Plant Science</i> , 2014, 5, 523.	3.6	47
10	Glycan modulation and sulfoengineering of anti-HIV-1 monoclonal antibody PG9 in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12675-12680.	7.1	44
11	Expression of human butyrylcholinesterase with an engineered glycosylation profile resembling the plasma-derived orthologue. <i>Biotechnology Journal</i> , 2014, 9, 501-510.	3.5	39
12	Vacuolar targeting of recombinant antibodies in <i>Nicotiana benthamiana</i> . <i>Plant Biotechnology Journal</i> , 2016, 14, 2265-2275.	8.3	20
13	Transient Glyco-Engineering of <i>N. benthamiana</i> Aiming at the Synthesis of Multi-antennary Sialylated Proteins. <i>Methods in Molecular Biology</i> , 2015, 1321, 233-248.	0.9	8