

Craig J Van Dolleweerd

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,685
citations

304368

22
h-index

377514

34
g-index

35
all docs

35
docs citations

35
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulatory approval and a first-in-human phase I clinical trial of a monoclonal antibody produced in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 1106-1120.	4.1	205
2	Differential binding specificities of oral streptococcal antigen I/II family adhesins for human or bacterial ligands. <i>Molecular Microbiology</i> , 2005, 55, 1591-1605.	1.2	136
3	A murine monoclonal antibody produced in transgenic plants with plant-specific glycans is not immunogenic in mice. <i>Transgenic Research</i> , 2000, 9, 187-194.	1.3	110
4	Passive immunity in the prevention of rabies. <i>Lancet Infectious Diseases</i> , The, 2012, 12, 397-407.	4.6	110
5	Functions of Cell Surface-Anchored Antigen I/II Family and Hsa Polypeptides in Interactions of <i>Streptococcus gordonii</i> with Host Receptors. <i>Infection and Immunity</i> , 2005, 73, 6629-6638.	1.0	100
6	The coat protein of white clover mosaic potyvirus has a role in facilitating cell-to-cell transport in plants. <i>Virology</i> , 1992, 191, 480-484.	1.1	94
7	Monoclonal antibodies for prophylactic and therapeutic use against viral infections. <i>Vaccine</i> , 2013, 31, 1553-1559.	1.7	79
8	Rhizosecretion of a monoclonal antibody protein complex from transgenic tobacco roots. <i>Plant Molecular Biology</i> , 2003, 52, 233-241.	2.0	78
9	Considerations for extraction of monoclonal antibodies targeted to different subcellular compartments in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , 2008, 6, 733-748.	4.1	74
10	A recombinant multimeric immunoglobulin expressed in rice shows assembly-dependent subcellular localization in endosperm cells. <i>Plant Biotechnology Journal</i> , 2004, 3, 115-127.	4.1	73
11	Engineering, Expression in Transgenic Plants and Characterisation of E559, a Rabies Virus-Neutralising Monoclonal Antibody. <i>Journal of Infectious Diseases</i> , 2014, 210, 200-208.	1.9	50
12	Production, characterization, and antigen specificity of recombinant 62A71A3, a candidate monoclonal antibody for rabies prophylaxis in humans. <i>FASEB Journal</i> , 2013, 27, 2055-2065.	0.2	48
13	Characterization of a plant-produced recombinant human secretory IgA with broad neutralizing activity against HIV. <i>MAbs</i> , 2014, 6, 1585-1597.	2.6	47
14	Antibody degradation in tobacco plants: a predominantly apoplastic process. <i>BMC Biotechnology</i> , 2011, 11, 128.	1.7	45
15	Mucosal delivery of antigen-coated nanoparticles to lungs confers protective immunity against tuberculosis infection in mice. <i>European Journal of Immunology</i> , 2014, 44, 440-449.	1.6	43
16	MIDAS: A Modular DNA Assembly System for Synthetic Biology. <i>ACS Synthetic Biology</i> , 2018, 7, 1018-1029.	1.9	42
17	Molecular pharming. <i>Hum Vaccin</i> , 2011, 7, 375-382.	2.4	39
18	Plant-derived recombinant immune complexes as self-adjuncting TB immunogens for mucosal boosting of BCG. <i>Plant Biotechnology Journal</i> , 2014, 12, 840-850.	4.1	39

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19	Heterologous Biosynthesis of Nodulisporic Acid F. <i>Journal of the American Chemical Society</i> , 2018, 140, 582-585.	6.6	39
20	Site-specific proteolytic degradation of IgG monoclonal antibodies expressed in tobacco plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 235-245.	4.1	37
21	Transgenic plants expressing antibodies: a model for phytoremediation. <i>FASEB Journal</i> , 2002, 16, 1855-1860.	0.2	26
22	Characterization of the Conformational Epitope of Guy's 13, a Monoclonal Antibody That Prevents <i>Streptococcus mutans</i> Colonization in Humans. <i>Infection and Immunity</i> , 2003, 71, 754-765.	1.0	26
23	Immune-Complex Mimics as a Molecular Platform for Adjuvant-Free Vaccine Delivery. <i>PLoS ONE</i> , 2013, 8, e60855.	1.1	24
24	Peptide Mapping of a Novel Discontinuous Epitope of the Major Surface Adhesin from <i>Streptococcus mutans</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 22198-22203.	1.6	18
25	Site-targeted mutagenesis for stabilization of recombinant monoclonal antibody expressed in tobacco (<i>Nicotiana tabacum</i>) plants. <i>FASEB Journal</i> , 2016, 30, 1590-1598.	0.2	17
26	Enhanced transport of plant-produced rabies single-chain antibody<sc>RVG</sc> peptide fusion protein across an <i>in cellulose</i> blood-brain barrier device. <i>Plant Biotechnology Journal</i> , 2017, 15, 1331-1339.	4.1	17
27	Exploring the vaccine potential of Dec-205 targeting in <i>Mycobacterium tuberculosis</i> infection in mice. <i>Vaccine</i> , 2011, 29, 2279-2286.	1.7	16
28	Dynamics of global disclosure through patent and journal publications for biopharmaceutical products. <i>Nature Biotechnology</i> , 2009, 27, 614-618.	9.4	10
29	Generation of transgenic plants expressing antibodies to the environmental pollutant microcystin-LR. <i>FASEB Journal</i> , 2010, 24, 882-890.	0.2	10
30	Analysis of 11,430 recombinant protein production experiments reveals that protein yield is tunable by synonymous codon changes of translation initiation sites. <i>PLoS Computational Biology</i> , 2021, 17, e1009461.	1.5	9
31	Multiple gene expression in plants using MIDAS-P, a versatile type II restriction-based modular expression vector. <i>Biotechnology and Bioengineering</i> , 2022, , .	1.7	8
32	Generation of transgenic plants expressing plasma membrane-bound antibodies to the environmental pollutant microcystin-LR. <i>Transgenic Research</i> , 2011, 20, 701-707.	1.3	6
33	Recombinant monoclonal antibody yield in transgenic tobacco plants is affected by the wounding response via an ethylene dependent mechanism. <i>Transgenic Research</i> , 2012, 21, 1221-1232.	1.3	3
34	Monoclonal antibodies for prophylactic and therapeutic use against viral infections. <i>Pediatrics Polska</i> , 2013, 88, T15-T23.	0.1	1