

John McCafferty

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

6,571
citations

394421

19
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

4744
citing authors

#	ARTICLE	IF	CITATIONS
1	Phage antibodies: filamentous phage displaying antibody variable domains. <i>Nature</i> , 1990, 348, 552-554.	27.8	2,251
2	By-passing immunization. <i>Journal of Molecular Biology</i> , 1991, 222, 581-597.	4.2	1,621
3	Human Antibodies with Sub-nanomolar Affinities Isolated from a Large Non-immunized Phage Display Library. <i>Nature Biotechnology</i> , 1996, 14, 309-314.	17.5	956
4	Beyond natural antibodies: the power of in vitro display technologies. <i>Nature Biotechnology</i> , 2011, 29, 245-254.	17.5	482
5	Production of soluble mammalian proteins in <i>Escherichia coli</i> : identification of protein features that correlate with successful expression. <i>BMC Biotechnology</i> , 2004, 4, 32.	3.3	215
6	Application of phage display to high throughput antibody generation and characterization. <i>Genome Biology</i> , 2007, 8, R254.	9.6	195
7	Basics of Antibody Phage Display Technology. <i>Toxins</i> , 2018, 10, 236.	3.4	142
8	Cross-domain inhibition of TACE ectodomain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5578-5583.	7.1	109
9	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. <i>Nature Communications</i> , 2018, 9, 3928.	12.8	73
10	A simple vector system to improve performance and utilisation of recombinant antibodies. <i>BMC Biotechnology</i> , 2006, 6, 46.	3.3	66
11	Advances in antibody phage display technology. <i>Drug Discovery Today</i> , 2022, 27, 2151-2169.	6.4	62
12	Generation of anti-Notch antibodies and their application in blocking Notch signalling in neural stem cells. <i>Methods</i> , 2012, 58, 69-78.	3.8	55
13	Directing phage selections towards specific epitopes. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 1043-1049.	2.1	46
14	A comprehensive search of functional sequence space using large mammalian display libraries created by gene editing. <i>MAbs</i> , 2019, 11, 884-898.	5.2	38
15	Beyond affinity: selection of antibody variants with optimal biophysical properties and reduced immunogenicity from mammalian display libraries. <i>MAbs</i> , 2020, 12, 1829-335.	5.2	38
16	Multiplexed expression and screening for recombinant protein production in mammalian cells. <i>BMC Biotechnology</i> , 2006, 6, 49.	3.3	37
17	Development of a μ mouse and human cross-reactive TM affinity-matured exosite inhibitory human antibody specific to TACE (ADAM17) for cancer immunotherapy. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 179-190.	2.1	29
18	Identification of optimal protein binders through the use of large genetically encoded display libraries. <i>Current Opinion in Chemical Biology</i> , 2015, 26, 16-24.	6.1	28

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19	Mapping protein interactions by combining antibody affinity maturation and mass spectrometry. Analytical Biochemistry, 2011, 417, 25-35.	2.4	22
20	Selecting antagonistic antibodies that control differentiation through inducible expression in embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17802-17807.	7.1	22
21	<i>In vitro</i> discovery of a human monoclonal antibody that neutralizes lethality of cobra snake venom. MAbs, 2022, 14, .	5.2	22
22	Notch-IGF1 signaling during liver regeneration drives biliary epithelial cell expansion and inhibits hepatocyte differentiation. Science Signaling, 2021, 14, .	3.6	17
23	Cross-Reactive SARS-CoV-2 Neutralizing Antibodies From Deep Mining of Early Patient Responses. Frontiers in Immunology, 2021, 12, 678570.	4.8	16
24	Characterization and structural determination of a new anti-MET function-blocking antibody with binding epitope distinct from the ligand binding domain. Scientific Reports, 2017, 7, 9000.	3.3	7
25	Selection of Antibodies Interfering with Cell Surface Receptor Signaling Using Embryonic Stem Cell Differentiation. Methods in Molecular Biology, 2015, 1341, 111-132.	0.9	5
26	Phenotypic Directed Antibody Selection. Chemistry and Biology, 2014, 21, 170-171.	6.0	3