John McCafferty

List of Publications by Year
in descending order

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	Advances in antibody phage display technology. Drug Discovery Today, 2022, 27, 2151-2169.	6.4	62
2	In vitro discovery of a human monoclonal antibody that neutralizes lethality of cobra snake venom. MAbs, 2022, 14, .	5.2	22
3	Notch-IGF1 signaling during liver regeneration drives biliary epithelial cell expansion and inhibits hepatocyte differentiation. Science Signaling, 2021, 14, .	3.6	17
4	Cross-Reactive SARS-CoV-2 Neutralizing Antibodies From Deep Mining of Early Patient Responses. Frontiers in Immunology, 2021, 12, 678570.	4.8	16
5	Beyond affinity: selection of antibody variants with optimal biophysical properties and reduced immunogenicity from mammalian display libraries. MAbs, 2020, 12, 1829335.	5.2	38
6	A comprehensive search of functional sequence space using large mammalian display libraries created by gene editing. MAbs, 2019, 11, 884-898.	5.2	38
7	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. Nature Communications, 2018, 9, 3928.	12.8	73
8	Basics of Antibody Phage Display Technology. Toxins, 2018, 10, 236.	3.4	142
9	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
10	Identification of optimal protein binders through the use of large genetically encoded display libraries. Current Opinion in Chemical Biology, 2015, 26, 16-24.	6.1	28
11	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
12	Development of a â€˜mouse and human cross-reactiveâ€™ affinity-matured exosite inhibitory human antibody specific to TACE (ADAM17) for cancer immunotherapy. Protein Engineering, Design and Selection, 2014, 27, 179-190.	2.1	29
13	Phenotypic Directed Antibody Selection. Chemistry and Biology, 2014, 21, 170-171.	6.0	3
14	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
15	Generation of anti-Notch antibodies and their application in blocking Notch signalling in neural stem cells. Methods, 2012, 58, 69-78.	3.8	55
16	Beyond natural antibodies: the power of in vitro display technologies. Nature Biotechnology, 2011, 29, 245-254.	17.5	482
17	Mapping protein interactions by combining antibody affinity maturation and mass spectrometry. Analytical Biochemistry, 2011, 417, 25-35.	2.4	22
18	Cross-domain inhibition of TACE ectodomain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5578-5583.	7.1	109

#	Article	IF	Citations
19	Application of phage display to high throughput antibody generation and characterization. Genome Biology, 2007, 8, R254.	9.6	195
20	A simple vector system to improve performance and utilisation of recombinant antibodies. BMC Biotechnology, 2006, 6, 46.	3.3	66
21	Multiplexed expression and screening for recombinant protein production in mammalian cells. BMC Biotechnology, 2006, 6, 49.	3.3	37
22	Production of soluble mammalian proteins in Escherichia coli: identification of protein features that correlate with successful expression. BMC Biotechnology, 2004, 4, 32.	3.3	215
23	Human Antibodies with Sub-nanomolar Affinities Isolated from a Large Non-immunized Phage Display Library. Nature Biotechnology, 1996, 14, 309-314.	17.5	956
24	Directing phage selections towards specific epitopes. Protein Engineering, Design and Selection, 1996, 9, 1043-1049.	2.1	46
25	By-passing immunization. Journal of Molecular Biology, 1991, 222, 581-597.	4.2	1,621
26	Phage antibodies: filamentous phage displaying antibody variable domains. Nature, 1990, 348, 552-554.	27.8	2,251