

Achim Knappik

List of Publications by Year in descending order

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32
papers

2,179
citations

516710

16
h-index

477307

29
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33
all docs

33
docs citations

33
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal- versus <i>in vitro</i> -derived antibodies: avoiding the extremes. <i>MAbs</i> , 2021, 13, 1950265.	5.2	11
2	Highly Sensitive Protein Quantification by Direct Kinetic Fingerprinting of Single Protein Molecules. <i>Biophysical Journal</i> , 2021, 120, 185a.	0.5	0
3	Periplasmic expression of SpyTagged antibody fragments enables rapid modular antibody assembly. <i>Cell Chemical Biology</i> , 2021, 28, 813-824.e6.	5.2	18
4	Animal-free alternatives and the antibody iceberg. <i>Nature Biotechnology</i> , 2020, 38, 1234-1239.	17.5	58
5	Animal-derived-antibody generation faces strict reform in accordance with European Union policy on animal use. <i>Nature Methods</i> , 2020, 17, 755-756.	19.0	27
6	Direct kinetic fingerprinting and digital counting of single protein molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22815-22822.	7.1	35
7	Reproducibility: bypass animals for antibody production. <i>Nature</i> , 2020, 581, 262-262.	27.8	17
8	Generation by phage display and characterization of drug-target complex-specific antibodies for pharmacokinetic analysis of biotherapeutics. <i>MAbs</i> , 2019, 11, 178-190.	5.2	10
9	Monoclonal Antibody Generation by Phage Display. , 2018, , 47-80.		6
10	Crystallization and preliminary X-ray crystallographic analysis of the sclerostin-neutralizing Fab AbD09097. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 388-392.	0.8	2
11	High-Affinity Recombinant Antibody Fragments (Fabs) Can Be Applied in Peptide Enrichment Immuno-MRM Assays. <i>Journal of Proteome Research</i> , 2014, 13, 2187-2196.	3.7	42
12	Off-rate screening for selection of high-affinity anti-drug antibodies. <i>Analytical Biochemistry</i> , 2013, 441, 208-213.	2.4	53
13	Anti-Sclerostin Antibody Inhibits Internalization of Sclerostin and Sclerostin-Mediated Antagonism of Wnt/LRP6 Signaling. <i>PLoS ONE</i> , 2013, 8, e62295.	2.5	51
14	Selecting highly structure-specific antibodies using structured synthetic mimics of the cystine knot protein sclerostin. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 251-259.	2.1	4
15	Isolation and characterization of selective and potent human Fab inhibitors directed to the active-site region of the two-component NS2B-NS3 proteinase of West Nile virus. <i>Biochemical Journal</i> , 2010, 427, 369-376.	3.7	6
16	Development of Recombinant Human IgA for Anticardiolipin Antibodies Assay Standardization. <i>Annals of the New York Academy of Sciences</i> , 2009, 1173, 190-198.	3.8	4
17	Recombinant Antibody Expression and Purification. <i>Springer Protocols</i> , 2009, , 1929-1943.	0.3	7
18	A novel reverse transduction adenoviral array for the functional analysis of shRNA libraries. <i>BMC Genomics</i> , 2008, 9, 441.	2.8	9

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19	Selection of vimentin-specific antibodies from the HuCAL ^Â ® phage display library by subtractive panning on formalin-fixed, paraffin-embedded tissue. <i>Biological Chemistry</i> , 2007, 388, 651-8.	2.5	14
20	Recombinant Monoclonal Antibodies. <i>Methods in Molecular Biology</i> , 2007, 378, 15-31.	0.9	11
21	Antibodies for proteomic research: Comparison of traditional immunization with recombinant antibody technology. <i>Proteomics</i> , 2006, 6, 2638-2646.	2.2	37
22	Isolation and comparative characterization of Ki-67 equivalent antibodies from the HuCAL ^Â ® phage display library. <i>Biological Chemistry</i> , 2006, 387, 995-1003.	2.5	19
23	Human Combinatorial Fab Library Yielding Specific and Functional Antibodies against the Human Fibroblast Growth Factor Receptor 3. <i>Journal of Biological Chemistry</i> , 2003, 278, 38194-38205.	3.4	110
24	Microarray of Recombinant Antibodies Using a Streptavidin Sensor Surface Self-Assembled onto a Gold Layer. <i>BioTechniques</i> , 2003, 34, 124-130.	1.8	39
25	High-throughput generation and engineering of recombinant human antibodies. <i>Journal of Immunological Methods</i> , 2001, 254, 67-84.	1.4	158
26	Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display. <i>Nature Biotechnology</i> , 2000, 18, 1287-1292.	17.5	362
27	Titration of Infective and Noninfective Ff Filamentous Bacteriophages Using a Monoclonal Antibody against g3p. <i>BioTechniques</i> , 2000, 29, 26-30.	1.8	2
28	Fully synthetic human combinatorial antibody libraries (HuCAL) based on modular consensus frameworks and CDRs randomized with trinucleotides 1 Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 2000, 296, 57-86.	4.2	706
29	Strategies for Recombinant Antibody Library Synthesis: An Advanced Source for Immunoglobulins in Environmental Analysis. <i>Teubner-Reihe Umwelt</i> , 1998, , 161-178.	0.1	0
30	Dimeric 3-Phosphoglycerate Kinases from Hyperthermophilic Archaea. Cloning, Sequencing and Expression of the 3-Phosphoglycerate Kinase Gene of <i>Pyrococcus woesei</i> in <i>Escherichia coli</i> and Characterization of the Protein. Structural and Functional Comparison with the 3-Phosphoglycerate Kinase of <i>Methanothermus fervidus</i> . <i>FEBS Journal</i> , 1995, 233, 227-237.	0.2	53
31	Engineered turns of a recombinant antibody improve its in vivo folding. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 81-89.	2.1	219
32	The Effect of Folding Catalysts on the In Vivo Folding Process of Different Antibody Fragments Expressed in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 1993, 11, 77-83.	17.5	89