

Almer M Van Der Sloot

List of Publications by Citations

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31
papers

947
citations

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h-index

30
g-index

31
ext. papers

1,070
ext. citations

7.8
avg, IF

3.46
L-index

#	Paper	IF	Citations
31	Designed tumor necrosis factor-related apoptosis-inducing ligand variants initiating apoptosis exclusively via the DR5 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8634-9	11.5	138
30	Computational design of peptide ligands. <i>Trends in Biotechnology</i> , 2011 , 29, 231-9	15.1	111
29	RET-familial medullary thyroid carcinoma mutants Y791F and S891A activate a Src/JAK/STAT3 pathway, independent of glial cell line-derived neurotrophic factor. <i>Cancer Research</i> , 2005 , 65, 1729-37	10.1	79
28	Rapid and efficient cancer cell killing mediated by high-affinity death receptor homotrimerizing TRAIL variants. <i>Cell Death and Disease</i> , 2010 , 1, e83	9.8	55
27	Engineering of weak helper interactions for high-efficiency FRET probes. <i>Nature Methods</i> , 2013 , 10, 1021-7	7.6	52
26	A novel classification system to predict the pathogenic effects of CHD7 missense variants in CHARGE syndrome. <i>Human Mutation</i> , 2012 , 33, 1251-60	4.7	52
25	A novel genetic selection system for improved enantioselectivity of Bacillus subtilis lipase A. <i>ChemBioChem</i> , 2008 , 9, 1110-5	3.8	47
24	DR4-selective tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) variants obtained by structure-based design. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20560-8	5.4	46
23	Evaluating CHARGE syndrome in congenital hypogonadotropic hypogonadism patients harboring CHD7 variants. <i>Genetics in Medicine</i> , 2018 , 20, 872-881	8.1	32
22	Loop grafting of Bacillus subtilis lipase A: inversion of enantioselectivity. <i>Chemistry and Biology</i> , 2008 , 15, 782-9		29
21	Stabilization of TRAIL, an all-beta-sheet multimeric protein, using computational redesign. <i>Protein Engineering, Design and Selection</i> , 2004 , 17, 673-80	1.9	29
20	An improved understanding of TNFL/TNFR interactions using structure-based classifications. <i>Trends in Biochemical Sciences</i> , 2012 , 37, 353-63	10.3	28
19	Building blocks for protein interaction devices. <i>Nucleic Acids Research</i> , 2010 , 38, 2645-62	20.1	28
18	Enhancement of antitumor properties of rhTRAIL by affinity increase toward its death receptors. <i>Biochemistry</i> , 2009 , 48, 2180-91	3.2	27
17	Kinetics in signal transduction pathways involving promiscuous oligomerizing receptors can be determined by receptor specificity: apoptosis induction by TRAIL. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.013730	7.6	23
16	Protein design with fragment databases. <i>Current Opinion in Structural Biology</i> , 2011 , 21, 452-9	8.1	22
15	Protein design in biological networks: from manipulating the input to modifying the output. <i>Protein Engineering, Design and Selection</i> , 2009 , 22, 537-42	1.9	22

14	Binding of phage displayed Bacillus subtilis lipase A to a phosphonate suicide inhibitor. <i>Journal of Biotechnology</i> , 2003 , 101, 19-28	3.7	20
13	Targeting AML through DR4 with a novel variant of rhTRAIL. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 2216-31	5.6	17
12	Imipridone Anticancer Compounds Ectopically Activate the ClpP Protease and Represent a New Scaffold for Antibiotic Development. <i>Genetics</i> , 2020 , 214, 1103-1120	4	16
11	Mutational analysis of a key residue in the substrate specificity of a cephalosporin acylase. <i>ChemBioChem</i> , 2004 , 5, 820-5	3.8	16
10	RGD-avidin-biotin pretargeting to alpha v beta 3 integrin enhances the proapoptotic activity of TNF alpha related apoptosis inducing ligand (TRAIL). <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 225-35	5.4	10
9	Crippling life support for SARS-CoV-2 and other viruses through synthetic lethality. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	9
8	The design and characterization of receptor-selective APRIL variants. <i>Journal of Biological Chemistry</i> , 2012 , 287, 37434-46	5.4	8
7	Generation of rationally-designed nerve growth factor (NGF) variants with receptor specificity. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 700-705	3.4	7
6	At Long Last, a C-Terminal Bookend for the Ubiquitin Code. <i>Molecular Cell</i> , 2018 , 70, 568-571	17.6	7
5	Synthetic Genomics: Rewriting the Genome Chromosome by Chromosome. <i>Molecular Cell</i> , 2017 , 66, 441-448	17.4	6
4	T-RMSD: a fine-grained, structure-based classification method and its application to the functional characterization of TNF receptors. <i>Journal of Molecular Biology</i> , 2010 , 400, 605-17	6.5	5
3	Identification and optimization of molecular glue compounds that inhibit a noncovalent E2 enzyme-ubiquitin complex. <i>Science Advances</i> , 2021 , 7, eabi5797	14.3	4
2	A novel CHD7 mutation in an adolescent presenting with growth and pubertal delay. <i>Annals of Pediatric Endocrinology and Metabolism</i> , 2019 , 24, 49-54	2.9	1
1	Computational design of TNF ligand-based protein therapeutics. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 691, 521-34	3.6	1