FrÃ©dÃ©ric Pecorari

List of Publications by Year
in descending order

45 papers	1,233 citations	331670 21 h-index	361022 35 g-index
47 all docs	47 docs citations	47 times ranked	1319 citing authors

#	Article	IF	Citations
1	A Designed Ankyrin Repeat Protein Evolved to Picomolar Affinity to Her2. Journal of Molecular Biology, 2007, 369, 1015-1028.	4.2	211
2	Selection and Characterization of Her2 Binding-designed Ankyrin Repeat Proteins. Journal of Biological Chemistry, 2006, 281, 35167-35175.	3.4	91
3	Remodeling a DNA-binding protein as a specific in vivo inhibitor of bacterial secretin PulD. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17983-17988.	7.1	78
4	In Vitro Evolution of the Binding Specificity of Neocarzinostatin, an Enediyne-Binding Chromoproteinâ€. Biochemistry, 2003, 42, 5674-5683.	2.5	49
5	Llama VHH antibody fragments against GFAP: better diffusion in fixed tissues than classical monoclonal antibodies. Acta Neuropathologica, 2009, 118, 685-695.	7.7	49
6	Type II Secretion System Secretin PulD Localizes in Clusters in the Escherichia coli Outer Membrane. Journal of Bacteriology, 2009, 191, 161-168.	2.2	47
7	Functionally Accepted Insertions of Proteins within Protein Domains. Journal of Biological Chemistry, 2000, 275, 17428-17433.	3.4	45
8	Artificial Binding Proteins (Affitins) as Probes for Conformational Changes in Secretin PulD. Journal of Molecular Biology, 2008, 383, 1058-1068.	4.2	45
9	Potent and Specific Inhibition of Glycosidases by Small Artificial Binding Proteins (Affitins). PLoS ONE, 2014, 9, e97438.	2.5	42
10	Tolerance of the archaeal Sac7d scaffold protein to alternative library designs: characterization of anti-immunoglobulin G Affitins. Protein Engineering, Design and Selection, 2013, 26, 267-275.	2.1	38
11	Bisphosphonate Adaptors for Specific Protein Binding on Zirconium Phosphonate-based Microarrays. Bioconjugate Chemistry, 2009, 20, 2270-2277.	3.6	36
12	Folding, heterodimeric association and specific peptide recognition of a murine Î±Î² T-cell receptor expressed in Escherichia coli 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1999, 285, 1831-1843.	4.2	32
13	Reagentless fluorescent biosensors from artificial families of antigen binding proteins. Biosensors and Bioelectronics, 2011, 26, 4184-4190.	10.1	29
14	Affitins as robust tailored reagents for affinity chromatography purification of antibodies and non-immunoglobulin proteins. Journal of Chromatography A, 2016, 1441, 44-51.	3.7	29
15	Low frequency motions in phosphoglycerate kinase. A normal mode analysis. Chemical Physics, 1996, 204, 327-336.	1.9	27
16	Ribosome Display for the Selection of Sac7d Scaffolds. Methods in Molecular Biology, 2012, 805, 315-331.	0.9	25
17	Prosthetic groups for radioiodination and astatination of peptides and proteins: A comparative study of five potential bioorthogonal labeling strategies. Bioorganic and Medicinal Chemistry, 2019, 27, 167-174.	3.0	25
18	Folding and Functional Complementation of Engineered Fragments from Yeast Phosphoglycerate Kinaseâ€. Biochemistry, 1996, 35, 3465-3476.	2.5	24

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19	Structures of in Vitro Evolved Binding Sites on Neocarzinostatin Scaffold Reveal Unanticipated Evolutionary Pathways. Journal of Molecular Biology, 2006, 358, 455-471.	4.2	24
20	Artificial Affinity Proteins as Ligands of Immunoglobulins. Biomolecules, 2015, 5, 60-75.	4.0	24
21	Occurrence of Transient Multimeric Species during the Refolding of a Monomeric Protein. Journal of Biological Chemistry, 1996, 271, 5270-5276.	3.4	23
22	Affitins for protein purification by affinity magnetic fishing. Journal of Chromatography A, 2016, 1457, 50-58.	3.7	22
23	The archaeal â€œ7â€‰kDa DNA-bindingâ€•proteins: extended characterization of an old gifted family. Scientific Reports, 2016, 6, 37274.	3.3	21
24	A novel, smaller scaffold for Affitins: Showcase with binders specific for EpCAM. Biotechnology and Bioengineering, 2018, 115, 290-299.	3.3	19
25	Switching an anti-IgG binding site between archaeal extremophilic proteins results in Affitins with enhanced pH stability. Journal of Biotechnology, 2014, 192, 123-129.	3.8	18
26	Zooming in on the hydrophobic ridge of H-2Db: implications for the conformational variability of bound peptides11Edited by I. A. Wilson. Journal of Molecular Biology, 2001, 312, 1059-1071.	4.2	16
27	Engineering of a phosphorylatable tag for specific protein binding on zirconium phosphonate based microarrays. Journal of Biological Inorganic Chemistry, 2012, 17, 399-407.	2.6	16
28	Affinity transfer to the archaeal extremophilic Sac7d protein by insertion of a CDR. Protein Engineering, Design and Selection, 2014, 27, 431-438.	2.1	16
29	InÂvitro emergence of fluoroquinolone resistance in Cutibacterium (formerly Propionibacterium) acnes and molecular characterization of mutations in the gyrA gene. Anaerobe, 2017, 47, 194-200.	2.1	13
30	Structure and functional complementation of engineered fragments from yeast phosphoglycerate kinase. Protein Engineering, Design and Selection, 1993, 6, 313-324.	2.1	12
31	Characterizing the functionality of recombinant T-cell receptors in vitro: a pMHC tetramer based approach. Journal of Immunological Methods, 2000, 236, 147-165.	1.4	11
32	Model Affitin and PEG modifications onto siRNA lipid nanocapsules: cell uptake and in vivo biodistribution improvements. RSC Advances, 2019, 9, 27264-27278.	3.6	11
33	Multivalent Affidendrons with High Affinity and Specificity toward Staphylococcus aureus as Versatile Tools for Modulating Multicellular Behaviors. ACS Applied Materials & Interfaces, 2019, 11, 21391-21398.	8.0	11
34	Novel Tn916-like elements confer aminoglycoside/macrolide co-resistance in clinical isolates of Streptococcus gallolyticus ssp. gallolyticus. Journal of Antimicrobial Chemotherapy, 2018, 73, 1201-1205.	3.0	9
35	Wholeâ€bacterium ribosome display selection for isolation of highly specific antiâ€•Staphyloccocus aureus Affitins for detectionâ€•and captureâ€based biomedical applications. Biotechnology and Bioengineering, 2019, 116, 1844-1855.	3.3	9
36	Draft Genome Sequences of Two Highly Erythromycin-Resistant Streptococcus gallolyticus subsp. gallolyticus Isolates Containing a Novel Tn 916 -Like Element, Tn 6331. Genome Announcements, 2017, 5, .	0.8	7

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37	Improvement and efficient display of Bacillus thuringiensis toxins on M13 phages and ribosomes. AMB Express, 2015, 5, 73.	3.0	6
38	Affitins: Ribosome Display for Selection of Aho7c-Based Affinity Proteins. Methods in Molecular Biology, 2020, 2070, 19-41.	0.9	6
39	Draft Genome Sequence of Erythromycin-Resistant Streptococcus gallolyticus subsp. gallolyticus NTS 31106099 Isolated from a Patient with Infective Endocarditis and Colorectal Cancer. Genome Announcements, 2015, 3, .	0.8	5
40	Draft Genome Sequence of Mycobacterium ulcerans S4018 Isolated from a Patient with an Active Buruli Ulcer in Benin, Africa. Genome Announcements, 2017, 5, .	0.8	4
41	Characterization of Affitin proteolytic digestion in biorelevant media and improvement of their stabilities via protein engineering. Scientific Reports, 2020, 10, 19703.	3.3	4
42	Structural analysis of mycobacterial and murine hsp60 epitopes in complex with the class I MHC molecule H-2Db. FEBS Letters, 2003, 543, 11-15.	2.8	1
43	Biotechnological Uses of Archaeal Proteins. Archaea, 2015, 2015, 1-2.	2.3	1
44	A novel and efficient approach to high-throughput production of HLA-E/peptide monomer for T-cell epitope screening. Scientific Reports, 2021, 11, 17234.	3.3	1
45	Application of Affitins for Affinity Purification of Proteins. Methods in Molecular Biology, 2022, 2466, 37-48.	0.9	0