

# Frédéric Pecorari

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Application of Affitins for Affinity Purification of Proteins. <i>Methods in Molecular Biology</i> , 2022, 2466, 37-48.	0.9	0
2	A novel and efficient approach to high-throughput production of HLA-E/peptide monomer for T-cell epitope screening. <i>Scientific Reports</i> , 2021, 11, 17234.	3.3	1
3	Characterization of Affitin proteolytic digestion in biorelevant media and improvement of their stabilities via protein engineering. <i>Scientific Reports</i> , 2020, 10, 19703.	3.3	4
4	Affitins: Ribosome Display for Selection of Aho7c-Based Affinity Proteins. <i>Methods in Molecular Biology</i> , 2020, 2070, 19-41.	0.9	6
5	Model Affitin and PEG modifications onto siRNA lipid nanocapsules: cell uptake and in vivo biodistribution improvements. <i>RSC Advances</i> , 2019, 9, 27264-27278.	3.6	11
6	Multivalent Affidendrons with High Affinity and Specificity toward <i>Staphylococcus aureus</i> as Versatile Tools for Modulating Multicellular Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21391-21398.	8.0	11
7	Whole-bacterium ribosome display selection for isolation of highly specific anti- <i>Staphylococcus aureus</i> Affitins for detection-and capture-based biomedical applications. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1844-1855.	3.3	9
8	Prosthetic groups for radioiodination and astatination of peptides and proteins: A comparative study of five potential bioorthogonal labeling strategies. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 167-174.	3.0	25
9	Novel Tn916-like elements confer aminoglycoside/macrolide co-resistance in clinical isolates of <i>Streptococcus gallolyticus</i> ssp. <i>gallolyticus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 1201-1205.	3.0	9
10	A novel, smaller scaffold for Affitins: Showcase with binders specific for EpCAM. <i>Biotechnology and Bioengineering</i> , 2018, 115, 290-299.	3.3	19
11	Draft Genome Sequence of <i>Mycobacterium ulcerans</i> S4018 Isolated from a Patient with an Active Buruli Ulcer in Benin, Africa. <i>Genome Announcements</i> , 2017, 5, .	0.8	4
12	In-vitro emergence of fluoroquinolone resistance in <i>Cutibacterium</i> (formerly <i>Propionibacterium</i> ) <i>acnes</i> and molecular characterization of mutations in the <i>gyrA</i> gene. <i>Anaerobe</i> , 2017, 47, 194-200.	2.1	13
13	Draft Genome Sequences of Two Highly Erythromycin-Resistant <i>Streptococcus gallolyticus</i> subsp. <i>gallolyticus</i> Isolates Containing a Novel Tn 916 -Like Element, Tn 6331. <i>Genome Announcements</i> , 2017, 5, .	0.8	7
14	The archaeal 70kDa DNA-binding-proteins: extended characterization of an old gifted family. <i>Scientific Reports</i> , 2016, 6, 37274.	3.3	21
15	Affitins for protein purification by affinity magnetic fishing. <i>Journal of Chromatography A</i> , 2016, 1457, 50-58.	3.7	22
16	Affitins as robust tailored reagents for affinity chromatography purification of antibodies and non-immunoglobulin proteins. <i>Journal of Chromatography A</i> , 2016, 1441, 44-51.	3.7	29
17	Improvement and efficient display of <i>Bacillus thuringiensis</i> toxins on M13 phages and ribosomes. <i>AMB Express</i> , 2015, 5, 73.	3.0	6
18	Biotechnological Uses of Archaeal Proteins. <i>Archaea</i> , 2015, 2015, 1-2.	2.3	1

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19	Draft Genome Sequence of Erythromycin-Resistant <i>Streptococcus gallolyticus</i> subsp. <i>gallolyticus</i> NTS 31106099 Isolated from a Patient with Infective Endocarditis and Colorectal Cancer. <i>Genome Announcements</i> , 2015, 3, .	0.8	5
20	Artificial Affinity Proteins as Ligands of Immunoglobulins. <i>Biomolecules</i> , 2015, 5, 60-75.	4.0	24
21	Affinity transfer to the archaeal extremophilic Sac7d protein by insertion of a CDR. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 431-438.	2.1	16
22	Switching an anti-IgG binding site between archaeal extremophilic proteins results in Affitins with enhanced pH stability. <i>Journal of Biotechnology</i> , 2014, 192, 123-129.	3.8	18
23	Potent and Specific Inhibition of Glycosidases by Small Artificial Binding Proteins (Affitins). <i>PLoS ONE</i> , 2014, 9, e97438.	2.5	42
24	Tolerance of the archaeal Sac7d scaffold protein to alternative library designs: characterization of anti-immunoglobulin G Affitins. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 267-275.	2.1	38
25	Ribosome Display for the Selection of Sac7d Scaffolds. <i>Methods in Molecular Biology</i> , 2012, 805, 315-331.	0.9	25
26	Engineering of a phosphorylatable tag for specific protein binding on zirconium phosphonate based microarrays. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 399-407.	2.6	16
27	Reagentless fluorescent biosensors from artificial families of antigen binding proteins. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4184-4190.	10.1	29
28	Type II Secretion System Secretin PulD Localizes in Clusters in the <i>Escherichia coli</i> Outer Membrane. <i>Journal of Bacteriology</i> , 2009, 191, 161-168.	2.2	47
29	Llama VHH antibody fragments against GFAP: better diffusion in fixed tissues than classical monoclonal antibodies. <i>Acta Neuropathologica</i> , 2009, 118, 685-695.	7.7	49
30	Bisphosphonate Adaptors for Specific Protein Binding on Zirconium Phosphonate-based Microarrays. <i>Bioconjugate Chemistry</i> , 2009, 20, 2270-2277.	3.6	36
31	Artificial Binding Proteins (Affitins) as Probes for Conformational Changes in Secretin PulD. <i>Journal of Molecular Biology</i> , 2008, 383, 1058-1068.	4.2	45
32	Remodeling a DNA-binding protein as a specific <i>in vivo</i> inhibitor of bacterial secretin PulD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17983-17988.	7.1	78
33	A Designed Ankyrin Repeat Protein Evolved to Picomolar Affinity to Her2. <i>Journal of Molecular Biology</i> , 2007, 369, 1015-1028.	4.2	211
34	Structures of <i>in Vitro</i> Evolved Binding Sites on Neocarzinostatin Scaffold Reveal Unanticipated Evolutionary Pathways. <i>Journal of Molecular Biology</i> , 2006, 358, 455-471.	4.2	24
35	Selection and Characterization of Her2 Binding-designed Ankyrin Repeat Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 35167-35175.	3.4	91
36	Structural analysis of mycobacterial and murine hsp60 epitopes in complex with the class I MHC molecule H-2Db. <i>FEBS Letters</i> , 2003, 543, 11-15.	2.8	1

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37	In Vitro Evolution of the Binding Specificity of Neocarzinostatin, an Eneidyne-Binding Chromoprotein. <i>Biochemistry</i> , 2003, 42, 5674-5683.	2.5	49
38	Zooming in on the hydrophobic ridge of H-2Db: implications for the conformational variability of bound peptides. Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 2001, 312, 1059-1071.	4.2	16
39	Characterizing the functionality of recombinant T-cell receptors in vitro: a pMHC tetramer based approach. <i>Journal of Immunological Methods</i> , 2000, 236, 147-165.	1.4	11
40	Functionally Accepted Insertions of Proteins within Protein Domains. <i>Journal of Biological Chemistry</i> , 2000, 275, 17428-17433.	3.4	45
41	Folding, heterodimeric association and specific peptide recognition of a murine $\alpha\beta$ T-cell receptor expressed in <i>Escherichia coli</i> . Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 1999, 285, 1831-1843.	4.2	32
42	Folding and Functional Complementation of Engineered Fragments from Yeast Phosphoglycerate Kinase. <i>Biochemistry</i> , 1996, 35, 3465-3476.	2.5	24
43	Low frequency motions in phosphoglycerate kinase. A normal mode analysis. <i>Chemical Physics</i> , 1996, 204, 327-336.	1.9	27
44	Occurrence of Transient Multimeric Species during the Refolding of a Monomeric Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 5270-5276.	3.4	23
45	Structure and functional complementation of engineered fragments from yeast phosphoglycerate kinase. <i>Protein Engineering, Design and Selection</i> , 1993, 6, 313-324.	2.1	12