Franco Felici

List of Publications by Year in descending order

88 papers	3,681 citations	136885 32 h-index	128225 60 g-index
88 all docs	88 docs citations	88 times ranked	2468 citing authors

#	Article	IF	Citations
1	Selection of antibody ligands from a large library of oligopeptides expressed on a multivalent exposition vector. Journal of Molecular Biology, 1991, 222, 301-310.	2.0	400
2	Mimicking of discontinuous epitopes by phage-displayed peptides, I. Epitope mapping of human H ferritin using a phage library of constrained peptides. Gene, 1993, 128, 51-57.	1.0	249
3	A general strategy to identify mimotopes of pathological antigens using only random peptide libraries and human sera.. EMBO Journal, 1994, 13, 2236-2243.	3.5	227
4	Mimicking of discontinuous epitopes by phage-displayed peptides, II. Selection of clones recognized by a protective monoclonal antibody against the Bordetella pertussis toxin from phage peptide libraries. Gene, 1993, 128, 21-27.	1.0	157
5	Epitope discovery using peptide libraries displayed on phage. Trends in Biotechnology, 1994, 12, 262-267.	4.9	133
6	Defining a protective epitope on factor H binding protein, a key meningococcal virulence factor and vaccine antigen. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3304-3309.	3.3	125
7	Identification of biologically active peptides using random libraries displayed on phage. Current Opinion in Biotechnology, 1995, 6, 73-80.	3.3	115
8	Selection of biologically active peptides by phage display of random peptide libraries. Current Opinion in Biotechnology, 1996, 7, 616-621.	3.3	113
9	Induction of anti-carbohydrate antibodies by phage library-selected peptide mimics. European Journal of Immunology, 1997, 27, 2620-2625.	1.6	108
10	The most abundant small cytoplasmic RNA of Saccharomyces cerevisiae has an important function required for normal cell growth.. Molecular and Cellular Biology, 1989, 9, 3260-3268.	1.1	106
11	Derivation of vaccines from mimotopes. Immunologic properties of human hepatitis B virus surface antigen mimotopes displayed on filamentous phage. Journal of Immunology, 1995, 154, 3162-72.	0.4	106
12	A Combination of Antigenic Regions ofToxoplasma gondiiMicroneme Proteins Induces Protective Immunity against Oral Infection with Parasite Cysts. Journal of Infectious Diseases, 2005, 191, 637-645.	1.9	87
13	A Conformationally Homogeneous Combinatorial Peptide Library. Journal of Molecular Biology, 1995, 247, 154-160.	2.0	82
14	Uptake and intracellular fate of phage display vectors in mammalian cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1448, 450-462.	1.9	82
15	Targeted delivery of multivalent phage display vectors into mammalian cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1448, 463-472.	1.9	80
16	Identification of tumor-associated antigens by screening phage-displayed human cDNA libraries with sera from tumor patients. International Journal of Cancer, 2003, 106, 534-544.	2.3	80
17	Recognition by human sera and immunogenicity of HBsAg mimotopes selected from an M13 phage display library. Gene, 1994, 146, 191-198.	1.0	78
18	A general strategy to identify mimotopes of pathological antigens using only random peptide libraries and human sera. EMBO Journal, 1994, 13, 2236-43.	3.5	77

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19	Use of an Immunoglobulin G Avidity Assay Based on Recombinant Antigens for Diagnosis of Primary Toxoplasma gondii Infection during Pregnancy. Journal of Clinical Microbiology, 2003, 41, 5414-5418.	1.8	75
20	The Most Abundant Small Cytoplasmic RNA of Saccharomyces cerevisiae Has an Important Function Required for Normal Cell Growth. Molecular and Cellular Biology, 1989, 9, 3260-3268.	1.1	75
21	The Toxoplasma gondii bradyzoite antigens BAG1 and MAG1 induce early humoral and cell-mediated immune responses upon human infection. Microbes and Infection, 2004, 6, 164-171.	1.0	63
22	Molecular dissection of the human B-cell response against Toxoplasma gondii infection by lambda display of cDNA libraries. International Journal for Parasitology, 2003, 33, 163-173.	1.3	62
23	Discovery of novelStreptococcus pneumoniaeantigens by screening a whole-genome ÃŽÂ»-display library. FEMS Microbiology Letters, 2006, 262, 14-21.	0.7	54
24	Identification of a human immunodominant B-cell epitope within the GRA1 antigen of Toxoplasma gondii by phage display of cDNA libraries. International Journal for Parasitology, 2001, 31, 1659-1668.	1.3	48
25	Plasminogen- and Fibronectin-binding Protein B Is Involved in the Adherence of Streptococcus pneumoniae to Human Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 7517-7524.	1.6	47
26	Monoclonal antibodies that recognise filamentous phage: tools for phage display technology. Gene, 1994, 148, 7-13.	1.0	46
27	Specific and selective probes for Pseudomonas aeruginosa from phage-displayed random peptide libraries. Biosensors and Bioelectronics, 2008, 23, 1137-1144.	5.3	43
28	Peptide and protein display on the surface of filamentous bacteriophage. Biotechnology Annual Review, 1995, 1, 149-183.	2.1	38
29	Supramolecular Binding of Cationic Porphyrins on a Filamentous Bacteriophage Template:Â Toward a Noncovalent Antenna System. Journal of the American Chemical Society, 2006, 128, 7446-7447.	6.6	37
30	[6] Immunization with phage-displayed mimotopes. Methods in Enzymology, 1996, 267, 109-115.	0.4	36
31	A structural model of human ferroportin and of its iron binding site. FEBS Journal, 2014, 281, 2851-2860.	2.2	35
32	A region of the N-terminal domain of meningococcal factor H-binding protein that elicits bactericidal antibody across antigenic variant groups. Molecular Immunology, 2009, 46, 1647-1653.	1.0	33
33	Selection, affinity maturation, and characterization of a human scFv antibody against CEA protein. BMC Cancer, 2006, 6, 41.	1.1	30
34	Display libraries on bacteriophage lambda capsid. Biotechnology Annual Review, 2005, 11, 153-190.	2.1	28
35	[7] Phage-displayed peptides as tools for characterization of human sera. Methods in Enzymology, 1996, 267, 116-129.	0.4	26
36	Peptide Mimics of the Group B Meningococcal Capsule Induce Bactericidal and Protective Antibodies after Immunization. Journal of Immunology, 2007, 178, 4417-4423.	0.4	26

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37	Identification of a panel of tumor-associated antigens from breast carcinoma cell lines, solid tumors and testis cDNA libraries displayed on lambda phage. BMC Cancer, 2004, 4, 78.	1.1	24
38	Protective Activity of Streptococcus pneumoniae Spr1875 Protein Fragments Identified Using a Phage Displayed Genomic Library. PLoS ONE, 2012, 7, e36588.	1.1	21
39	Immunogenic Properties of Streptococcus agalactiae FbsA Fragments. PLoS ONE, 2013, 8, e75266.	1.1	21
40	Antigenic and immunogenic mimicry of the HER2/neu oncoprotein by phage-displayed peptides. European Journal of Immunology, 1994, 24, 2868-2873.	1.6	20
41	Phage display revisited: Epitope mapping of a monoclonal antibody directed againstNeisseria meningitidisadhesin A using the PROFILER technology. MAbs, 2016, 8, 741-750.	2.6	19
42	Antigenicity and immunogenicity of phage library-selected peptide mimics of the major surface proteophosphoglycan antigens of Entamoeba histolytica. Parasite Immunology, 2002, 24, 321-328.	0.7	17
43	Peptides mimicking Vibrio cholerae O139 capsular polysaccharide elicit protective antibody response. Microbes and Infection, 2005, 7, 1453-1460.	1.0	17
44	Identification and refinement of a peptide affinity ligand with unique specificity for a monoclonal anti-tenascin-C antibody by screening of a phage display library. Journal of Chromatography A, 2006, 1107, 182-191.	1.8	17
45	Rapid Profiling of the Antigen Regions Recognized by Serum Antibodies Using Massively Parallel Sequencing of Antigen-Specific Libraries. PLoS ONE, 2014, 9, e114159.	1.1	17
46	Isolation of antigenic mimics of MDR1-P-glycoprotein by phage-displayed peptide libraries. International Journal of Cancer, 1995, 61, 727-731.	2.3	16
47	â€œAffinity maturationâ€•of ligands for HCV-specific serum antibodies. Journal of Immunological Methods, 2000, 236, 167-176.	0.6	13
48	A study of the humoral immune response of breast cancer patients to a panel of human tumor antigens identified by phage display. Cancer Detection and Prevention, 2006, 30, 248-256.	2.1	13
49	Structural Mimicry of O-Antigen by a Peptide Revealed in a Complex with an Antibody Raised against Shigella flexneri Serotype 2a. Journal of Molecular Biology, 2009, 388, 839-850.	2.0	13
50	Yeast Killer Toxin-Like Candidacidal Ab6 Antibodies Elicited through the Manipulation of the Idiotypic Cascade. PLoS ONE, 2014, 9, e105727.	1.1	13
51	Selection of Mimotopes of the Cell Surface Adhesion Molecule Mel-CAM from a Random pVIII-28aa Phage Peptide Library. Journal of Investigative Dermatology, 2002, 119, 865-869.	0.3	12
52	Humoral immune response against proteophosphoglycan surface antigens ofEntamoeba histolyticaelicited by immunization with synthetic mimotope peptides. FEMS Immunology and Medical Microbiology, 2003, 37, 179-183.	2.7	12
53	Efficient display of scFv antibodies on bacteriophage lambda. Journal of Immunological Methods, 2006, 310, 149-158.	0.6	12
54	A novel approach for identification of tumor-associated antigens expressed on the surface of tumor cells. International Journal of Cancer, 2007, 120, 1293-1303.	2.3	12

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55	Immunogenic mimics of Brucella lipopolysaccharide epitopes. Peptides, 2009, 30, 1936-1939.	1.2	12
56	Functional characterization of a monoclonal antibody epitope using a lambda phage display-deep sequencing platform. Scientific Reports, 2016, 6, 31458.	1.6	12
57	Structure of theSaccharomyces cerevisiaegene encoding tRNAIle(IAU). Nucleic Acids Research, 1987, 15, 364-364.	6.5	11
58	Recombinant phage probes forListeria monocytogenes. Journal of Physics Condensed Matter, 2007, 19, 395011.	0.7	11
59	Epitope Mapping of a Monoclonal Antibody Directed against Neisserial Heparin Binding Antigen Using Next Generation Sequencing of Antigen-Specific Libraries. PLoS ONE, 2016, 11, e0160702.	1.1	11
60	Construction of Disulfide-Constrained Random Peptide Libraries Displayed on Phage Coat Protein VIII. , 1998, 87, 155-164.		10
61	ADAM-HCV, a new-concept diagnostic assay for antibodies to hepatitis C virus in serum. FEBS Journal, 2001, 268, 4758-4768.	0.2	10
62	Identification of a human immunodominant B-cell epitope within the immunoglobulin A1 protease of Streptococcus pneumoniae. BMC Microbiology, 2007, 7, 113.	1.3	10
63	Identification of Disease-Specific Epitopes. , 1998, 87, 195-208.		9
64	In Vitro Evolution of Ligands for HCV-Specific Serum Antibodies. Biological Chemistry, 2000, 381, 245-254.	1.2	9
65	Identification of a LFA-1 region involved in the HIV-1-induced syncytia formation through phage-display technology. European Journal of Immunology, 2001, 31, 57-63.	1.6	9
66	Topology of MDR1-P-glycoprotein as indicated by epitope mapping of monoclonal antibodies to human MDR cells. Cytotechnology, 1996, 19, 247-251.	0.7	8
67	The Spr1875 protein confers resistance to the microglia-mediated killing ofÂStreptococcus pneumoniae. Microbial Pathogenesis, 2013, 59-60, 42-47.	1.3	8
68	Peptide mimics of two pneumococcal capsular polysaccharide serotypes (6B and 9V) protect mice from a lethal challenge with Streptococcus pneumoniae. European Journal of Immunology, 2009, 39, 1527-1535.	1.6	7
69	Novel Immunogenic Peptides Elicit Systemic Anaphylaxis in Mice: Implications for Peptide Vaccines. Journal of Immunology, 2011, 187, 1201-1206.	0.4	7
70	Isolation and characterization of small phosphorylated peptides controlling transcription "in vitro" from trout testis chromatin DNA. Physiological Chemistry and Physics and Medical NMR, 1988, 20, 91-108.	0.2	7
71	Small acidic peptides are bound to E. coli DNA. Molecular Biology Reports, 1991, 15, 9-18.	1.0	6
72	Determination of the fine epitope specificity of an anti-hepatitis B virus X protein monoclonal antibody using microanalytical and molecular biological methods. Molecular Immunology, 2003, 40, 241-246.	1.0	4

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73	Identification of peptides mimicking the ligands of proteins phosphorylated by protein kinase CK2. Peptides, 2004, 25, 191-197.	1.2	4
74	Immunological fingerprint of 4CMenB recombinant antigens via protein microarray reveals key immunosignatures correlating with bactericidal activity. Nature Communications, 2020, 11, 4994.	5.8	4
75	Selection of phage-displayed peptides mimicking an extracellular epitope of human MDR1-P-glycoprotein. Physiological Chemistry and Physics and Medical NMR, 1995, 27, 271-80.	0.2	3
76	A database system for handling phage library-derived sequences. Gene, 1993, 128, 143-144.	1.0	2
77	A New Immunohistochemical Methodology for the Specific Detection of MDR1-P-Glycoprotein in Human Tissues Based on Phage-Displayed Peptides Mimicking the MM4.17 Epitope. Biological Chemistry, 1997, 378, 503-7.	1.2	2
78	Identification by Phage Display of the Linear Continuous MRPr1 Epitope in the Multidrug Resistance-Associated Protein (MRP1). Biological Chemistry, 2003, 384, 139-142.	1.2	2
79	8 Discovery of Disease-Specific Mimotopes by Screening Phage Libraries with Human Serum Samples. , 1996, , 145-158.		1
80	Peptide mimicry of carbohydrate structures. Research in Immunology, 1998, 149, 75-77.	0.9	1
81	Corrigendum to: â€˜Uptake and intracellular fate of phage display vectors in mammalian cellsâ€™. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1451, 364.	1.9	1
82	Colony Assay for Phage-Displayed Libraries. Analytical Biochemistry, 2000, 284, 412-415.	1.1	1
83	Molecular characterization of two sub-family specific monoclonal antibodies to meningococcal Factor H binding protein. Heliyon, 2018, 4, e00591.	1.4	1
84	Selection from a peptide library of the antigenic determinants of a protein. The Year in Immunology, 1993, 7, 41-9.	0.1	1
85	Hybrid Rop-pIII proteins for the display of constrained peptides on filamentous phage capsids. Annales De Biologie Clinique, 1993, 51, 917-22.	0.2	1
86	In vitroselection of peptides from molecular repertoires. Rendiconti Lincei, 1993, 4, 359-366.	1.0	0
87	7 Conformationally Defined Peptide Libraries on Phage: Selectable Templates for the Design of Pharmacological Agents. , 0, , .		0
88	Isolation of Phage Mimotopes Mimicking a Protective Epitope of GPI-Linked Proteophosphoglycan Antigens of Entamoeba histolytica. Archives of Medical Research, 2000, 31, S309-S310.	1.5	0