

Jonathan M Gershoni

List of Publications by Citations

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48
papers

2,323
citations

20
h-index

48
g-index

48
ext. papers

2,526
ext. citations

5.9
avg, IF

4.35
L-index

#	Paper	IF	Citations
48	Protein blotting: principles and applications. <i>Analytical Biochemistry</i> , 1983 , 131, 1-15	3.1	802
47	CD4-Induced conformational changes in the human immunodeficiency virus type 1 gp120 glycoprotein: consequences for virus entry and neutralization. <i>Journal of Virology</i> , 1998 , 72, 4694-703	6.6	240
46	Epitope mapping: the first step in developing epitope-based vaccines. <i>BioDrugs</i> , 2007 , 21, 145-56	7.9	173
45	Computational characterization of B-cell epitopes. <i>Molecular Immunology</i> , 2008 , 45, 3477-89	4.3	156
44	Pepitope: epitope mapping from affinity-selected peptides. <i>Bioinformatics</i> , 2007 , 23, 3244-6	7.2	115
43	Epitope mapping using combinatorial phage-display libraries: a graph-based algorithm. <i>Nucleic Acids Research</i> , 2007 , 35, 69-78	20.1	88
42	The mapping and reconstitution of a conformational discontinuous B-cell epitope of HIV-1. <i>Journal of Molecular Biology</i> , 2003 , 334, 87-101	6.5	80
41	Stepwise prediction of conformational discontinuous B-cell epitopes using the Mapitope algorithm. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 68, 294-304	4.2	69
40	Protein blotting: a manual. <i>Methods of Biochemical Analysis</i> , 1988 , 33, 1-58		55
39	HIV binding to its receptor creates specific epitopes for the CD4/gp120 complex. <i>FASEB Journal</i> , 1993 , 7, 1185-7	0.9	54
38	Deep Panning: steps towards probing the IgOme. <i>PLoS ONE</i> , 2012 , 7, e41469	3.7	41
37	Dissection of the humoral immune response toward an immunodominant epitope of HIV: a model for the analysis of antibody diversity in HIV+ individuals. <i>FASEB Journal</i> , 2001 , 15, 2112-20	0.9	36
36	Computational prediction of the cross-reactive neutralizing epitope corresponding to the [corrected] monoclonal [corrected] antibody b12 specific for HIV-1 gp120. <i>FASEB Journal</i> , 2006 , 20, 1762-74	0.9	32
35	Mapping a neutralizing epitope on the SARS coronavirus spike protein: computational prediction based on affinity-selected peptides. <i>Journal of Molecular Biology</i> , 2006 , 359, 190-201	6.5	31
34	Protein blot analysis of virus receptors: identification and characterization of the Sendai virus receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 856, 19-26	3.8	29
33	Humoral immune response to immunocomplexed HIV envelope glycoprotein 120. <i>AIDS Research and Human Retroviruses</i> , 1996 , 12, 901-9	1.6	27
32	Phage display peptide libraries: deviations from randomness and correctives. <i>Nucleic Acids Research</i> , 2018 , 46, e52	20.1	21

31	A peptide mimetic of the mycobacterial mannosylated lipoarabinomannan: characterization and potential applications. <i>Journal of Medical Microbiology</i> , 2007 , 56, 579-586	3.2	21
30	Identification of glycoproteins that are receptors for peanut agglutinin on immature (cortical) mouse thymocytes. <i>FEBS Letters</i> , 1986 , 194, 28-32	3.8	21
29	Phage display selection, analysis, and prediction of B cell epitopes. <i>Current Protocols in Immunology</i> , 2009 , Chapter 9, Unit 9.8	4	20
28	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. <i>PLoS Pathogens</i> , 2021 , 17, e1009165	7.6	20
27	Nuclear magnetic resonance (NMR) analysis of ligand receptor interactions: the cholinergic system--a model. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1996 , 31, 273-301	8.7	19
26	Helical epitopes determined by low-stringency antibody screening of a combinatorial peptide library. <i>FASEB Journal</i> , 1997 , 11, 147-53	0.9	16
25	Site directed biotinylation of filamentous phage structural proteins. <i>Virology Journal</i> , 2011 , 8, 495	6.1	13
24	Acetylcholine interactions with tryptophan-184 of the alpha-subunit of the nicotinic acetylcholine receptor revealed by transferred nuclear Overhauser effect. <i>FEBS Letters</i> , 1991 , 291, 225-8	3.8	13
23	Binding of HIV-1 gp120 to an anti-V3 loop antibody reveals novel antigen-induced epitopes. <i>FASEB Journal</i> , 1995 , 9, 127-32	0.9	12
22	Profiling the IgOme: meeting the challenge. <i>FEBS Letters</i> , 2014 , 588, 318-25	3.8	11
21	Streptococcus pneumoniae Cell-Wall-Localized Phosphoenolpyruvate Protein Phosphotransferase Can Function as an Adhesin: Identification of Its Host Target Molecules and Evaluation of Its Potential as a Vaccine. <i>PLoS ONE</i> , 2016 , 11, e0150320	3.7	11
20	Range of CD4-Bound Conformations of HIV-1 gp120, as Defined Using Conditional CD4-Induced Antibodies. <i>Journal of Virology</i> , 2016 , 90, 4481-4493	6.6	10
19	Tumor-reactive antibodies evolve from non-binding and autoreactive precursors.. <i>Cell</i> , 2022 ,	56.2	9
18	Biased random mutagenesis of peptides: determination of mutation frequency by computer simulation. <i>Protein Engineering, Design and Selection</i> , 1995 , 8, 143-6	1.9	8
17	Reconstitution of the receptor-binding motif of the SARS coronavirus. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 567-75	1.9	7
16	Unique binding modes for the broad neutralizing activity of single-chain variable fragments (scFv) targeting CD4-induced epitopes. <i>Retrovirology</i> , 2017 , 14, 44	3.6	7
15	A general insert label for peptide display on chimeric filamentous bacteriophages. <i>Analytical Biochemistry</i> , 2012 , 420, 68-72	3.1	7
14	Molecular decoys: antidotes, therapeutics and immunomodulators. <i>Current Opinion in Biotechnology</i> , 2008 , 19, 644-51	11.4	7

13	HIV-1 neutralization by chimeric CD4-CG10 polypeptides fused to human IgG1. <i>Molecular Immunology</i> , 2005 , 42, 1099-109	4.3	7
12	The use of epitope arrays in immunodiagnosis of infectious disease: hepatitis C virus, a case study. <i>Analytical Biochemistry</i> , 2013 , 432, 63-70	3.1	6
11	Differentiation of a passive vaccine and the humoral immune response toward infection: analysis of phage displayed peptides. <i>Vaccine</i> , 2006 , 24, 607-12	4.1	5
10	Production of linear polymers of HIV gp120-binding domains. <i>Protein Engineering, Design and Selection</i> , 1994 , 7, 145-7	1.9	5
9	The application of ligand overlay of protein blots to the study of the nicotinic acetylcholine receptor. <i>Electrophoresis</i> , 1987 , 8, 428-431	3.6	5
8	Multi-Clonal Live SARS-CoV-2 In Vitro Neutralization by Antibodies Isolated from Severe COVID-19 Convalescent Donors 2020 ,		5
7	Motifier: An IgOme Profiler Based on Peptide Motifs Using Machine Learning. <i>Journal of Molecular Biology</i> , 2021 , 433, 167071	6.5	3
6	Allosteric induction of the CD4-bound conformation of HIV-1 Gp120. <i>Retrovirology</i> , 2013 , 10, 147	3.6	2
5	Protein-blot analysis of receptor-ligand interactions. <i>Biochemical Society Transactions</i> , 1988 , 16, 138-9	5.1	2
4	B-cell restriction - an alternative piece to the puzzle. <i>Human Vaccines and Immunotherapeutics</i> , 2019 , 15, 2044-2049	4.4	1
3	Domain-Scan: Combinatorial Sero-Diagnosis of Infectious Diseases Using Machine Learning. <i>Frontiers in Immunology</i> , 2020 , 11, 619896	8.4	1
2	Functional reconstitution of the MERS CoV receptor binding Motif.. <i>Molecular Immunology</i> , 2022 , 145, 3-16	4.3	0
1	Preparation and epitope characterization of monoclonal antibodies suitable for detection of Tomato yellow leaf curl virus. <i>Phytoparasitica</i> , 2010 , 38, 201-208	1.5	