

Jonathan M Gershoni

List of Publications by Year in descending order

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47
papers

2,780
citations

331670

21
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

2315
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein blotting: Principles and applications. Analytical Biochemistry, 1983, 131, 1-15.	2.4	886
2	CD4-Induced Conformational Changes in the Human Immunodeficiency Virus Type 1 gp120 Glycoprotein: Consequences for Virus Entry and Neutralization. Journal of Virology, 1998, 72, 4694-4703.	3.4	278
3	Epitope Mapping. BioDrugs, 2007, 21, 145-156.	4.6	217
4	Computational characterization of B-cell epitopes. Molecular Immunology, 2008, 45, 3477-3489.	2.2	194
5	Pepitope: epitope mapping from affinity-selected peptides. Bioinformatics, 2007, 23, 3244-3246.	4.1	129
6	Epitope mapping using combinatorial phage-display libraries: a graph-based algorithm. Nucleic Acids Research, 2007, 35, 69-78.	14.5	102
7	The Mapping and Reconstitution of a Conformational Discontinuous B-cell Epitope of HIV-1. Journal of Molecular Biology, 2003, 334, 87-101.	4.2	89
8	Protein Blotting: A Manual. Methods of Biochemical Analysis, 2006, 33, 1-58.	0.2	84
9	Stepwise prediction of conformational discontinuous B-cell epitopes using the Mapitope algorithm. Proteins: Structure, Function and Bioinformatics, 2007, 68, 294-304.	2.6	82
10	HIV binding to its receptor creates specific epitopes for the CD4/gp120 complex. FASEB Journal, 1993, 7, 1185-1187.	0.5	64
11	Tumor-reactive antibodies evolve from non-binding and autoreactive precursors. Cell, 2022, 185, 1208-1222.e21.	28.9	59
12	Deep Panning: Steps towards Probing the IgOme. PLoS ONE, 2012, 7, e41469.	2.5	46
13	Dissection of the humoral immune response toward an immunodominant epitope of HIV: a model for the analysis of antibody diversity in HIV+ individuals. FASEB Journal, 2001, 15, 2112-2120.	0.5	45
14	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. PLoS Pathogens, 2021, 17, e1009165.	4.7	40
15	Protein blot analysis of virus receptors: identification and characterization of the sendai virus receptor. Biochimica Et Biophysica Acta - Biomembranes, 1986, 856, 19-26.	2.6	34
16	Computational prediction of the cross-reactive neutralizing epitope corresponding to the monoclonal antibody b12 specific for HIV-1 gp120. FASEB Journal, 2006, 20, 1762-1774.	0.5	34
17	Mapping a Neutralizing Epitope on the SARS Coronavirus Spike Protein: Computational Prediction Based on Affinity-selected Peptides. Journal of Molecular Biology, 2006, 359, 190-201.	4.2	32
18	Phage display peptide libraries: deviations from randomness and correctives. Nucleic Acids Research, 2018, 46, e52-e52.	14.5	30

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19	Humoral Immune Response to Immunocomplexed HIV Envelope Glycoprotein 120. AIDS Research and Human Retroviruses, 1996, 12, 901-909.	1.1	28
20	Identification of glycoproteins that are receptors for peanut agglutinin on immature (cortical) mouse thymocytes. FEBS Letters, 1986, 194, 28-32.	2.8	23
21	A peptide mimetic of the mycobacterial mannosylated lipoarabinomannan: characterization and potential applications. Journal of Medical Microbiology, 2007, 56, 579-586.	1.8	23
22	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. PLoS ONE, 2016, 11, e0150320.	2.5	22
23	Phage Display Selection, Analysis, and Prediction of B Cell Epitopes. Current Protocols in Immunology, 2009, 86, Unit 9.8.	3.6	20
24	Nuclear Magnetic Resonance (NMR) Analysis of Ligand Receptor Interactions: The Cholinergic System â€” A Model. Critical Reviews in Biochemistry and Molecular Biology, 1996, 31, 273-301.	5.2	19
25	Helical epitopes determined by lowâ€”stringency antibody screening of a combinatorial peptide library. FASEB Journal, 1997, 11, 147-153.	0.5	19
26	Reconstitution of the receptor-binding motif of the SARS coronavirus. Protein Engineering, Design and Selection, 2015, 28, gzv052.	2.1	16
27	Acetylcholine interactions with tryptophan-184 of the $\alpha 7$ -subunit of the nicotinic acetylcholine receptor revealed by transferred nuclear Overhauser effect. FEBS Letters, 1991, 291, 225-228.	2.8	14
28	Site directed biotinylation of filamentous phage structural proteins. Virology Journal, 2011, 8, 495.	3.4	14
29	Profiling the IgOme: Meeting the challenge. FEBS Letters, 2014, 588, 318-325.	2.8	14
30	Binding of HIVâ€”gp120 to an antiâ€”V3 loop antibody reveals novel antigenâ€”induced epitopes. FASEB Journal, 1995, 9, 127-132.	0.5	13
31	Range of CD4-Bound Conformations of HIV-1 gp120, as Defined Using Conditional CD4-Induced Antibodies. Journal of Virology, 2016, 90, 4481-4493.	3.4	13
32	Molecular decoys: antidotes, therapeutics and immunomodulators. Current Opinion in Biotechnology, 2008, 19, 644-651.	6.6	10
33	A general insert label for peptide display on chimeric filamentous bacteriophages. Analytical Biochemistry, 2012, 420, 68-72.	2.4	10
34	Unique binding modes for the broad neutralizing activity of single-chain variable fragments (scFv) targeting CD4-induced epitopes. Retrovirology, 2017, 14, 44.	2.0	10
35	The use of epitope arrays in immunodiagnosis of infectious disease: Hepatitis C virus, a case study. Analytical Biochemistry, 2013, 432, 63-70.	2.4	9
36	Biased random mutagenesis of peptides: determination of mutation frequency by computer simulation. Protein Engineering, Design and Selection, 1995, 8, 143-146.	2.1	8

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37	HIV-1 neutralization by chimeric CD4-CG10 polypeptides fused to human IgG1. <i>Molecular Immunology</i> , 2005, 42, 1099-1109.	2.2	7
38	Motifier: An IgOme Profiler Based on Peptide Motifs Using Machine Learning. <i>Journal of Molecular Biology</i> , 2021, 433, 167071.	4.2	7
39	The application of ligand overlay of protein blots to the study of the nicotinic acetylcholine receptor. <i>Electrophoresis</i> , 1987, 8, 428-431.	2.4	6
40	Production of linear polymers of HIV gp120-binding domains. <i>Protein Engineering, Design and Selection</i> , 1994, 7, 145-147.	2.1	5
41	Differentiation of a passive vaccine and the humoral immune response toward infection: Analysis of phage displayed peptides. <i>Vaccine</i> , 2006, 24, 607-612.	3.8	5
42	Allosteric induction of the CD4-bound conformation of HIV-1 Gp120. <i>Retrovirology</i> , 2013, 10, 147.	2.0	4
43	Domain-Scan: Combinatorial Sero-Diagnosis of Infectious Diseases Using Machine Learning. <i>Frontiers in Immunology</i> , 2020, 11, 619896.	4.8	3
44	Protein-blot analysis of receptor-ligand interactions. <i>Biochemical Society Transactions</i> , 1988, 16, 138-139.	3.4	2
45	Functional reconstitution of the MERS CoV receptor binding motif. <i>Molecular Immunology</i> , 2022, 145, 3-16.	2.2	2
46	B-cell restriction “an alternative piece to the puzzle. <i>Human Vaccines and Immunotherapeutics</i> , 2019, 15, 2044-2049.	3.3	1
47	Preparation and epitope characterization of monoclonal antibodies suitable for detection of Tomato yellow leaf curl virus. <i>Phytoparasitica</i> , 2010, 38, 201-208.	1.2	0