Eric Martz

List of Publications by Year in descending order

50 papers	9,956 citations	201674 27 h-index	243625 44 g-index
58 all docs	58 docs citations	58 times ranked	13298 citing authors

#	Article	IF	Citations
1	ConSurf 2016: an improved methodology to estimate and visualize evolutionary conservation in macromolecules. Nucleic Acids Research, 2016, 44, W344-W350.	14.5	2,395
2	ConSurf 2010: calculating evolutionary conservation in sequence and structure of proteins and nucleic acids. Nucleic Acids Research, 2010, 38, W529-W533.	14.5	1,592
3	ConSurf 2005: the projection of evolutionary conservation scores of residues on protein structures. Nucleic Acids Research, 2005, 33, W299-W302.	14.5	1,255
4	ConSurf: Identification of Functional Regions in Proteins by Surface-Mapping of Phylogenetic Information. Bioinformatics, 2003, 19, 163-164.	4.1	1,082
5	ConSurf: Using Evolutionary Data to Raise Testable Hypotheses about Protein Function. Israel Journal of Chemistry, 2013, 53, 199-206.	2.3	459
6	Selecton 2007: advanced models for detecting positive and purifying selection using a Bayesian inference approach. Nucleic Acids Research, 2007, 35, W506-W511.	14.5	290
7	Lymphocyte function-associated antigen 1 (LFA-1): a surface antigen distinct from Lyt-2,3 that participates in T lymphocyte-mediated killing.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 4535-4539.	7.1	260
8	Mechanism of Specific Tumor-Cell Lysis by Alloimmune T Lymphocytes: Resolution and Characterization of Discrete Steps in the Cellular Interaction. , 1977, 7, 301-361.		234
9	Protein Explorer: easy yet powerful macromolecular visualization. Trends in Biochemical Sciences, 2002, 27, 107-109.	7.5	228
10	LFA-1 and other accessory molecules functioning in adhesions of T and B lymphocytes. Human Immunology, 1987, 18, 3-37.	2.4	221
11	LFA-1 and Lyt-2,3, Molecules Associated with T Lymphocyte-Mediated Killing; and Mac-1, an LFA-1 Homologue Associated with Complement Receptor Function1. Immunological Reviews, 1982, 68, 171-196.	6.0	217
12	Epitopia: a web-server for predicting B-cell epitopes. BMC Bioinformatics, 2009, 10, 287.	2.6	177
13	CTL: virus control cells first and cytolytic cells second? DNA fragmentation, apoptosis and the prelytic halt hypothesis. Trends in Immunology, 1989, 10, 79-86.	7.5	173
14	Structural Basis for Metallic-Like Conductivity in Microbial Nanowires. MBio, 2015, 6, e00084.	4.1	171
15	The role of cell-cell contact in ?contact? inhibition of cell division: A review and new evidence. Journal of Cellular Physiology, 1972, 79, 189-210.	4.1	139
16	Pepitope: epitope mapping from affinity-selected peptides. Bioinformatics, 2007, 23, 3244-3246.	4.1	129
17	The Archaellum of Methanospirillum hungatei Is Electrically Conductive. MBio, 2019, 10, .	4.1	112
18	Proteopedia - a scientific 'wiki' bridging the rift between 3D structure and function of biomacromolecules. Genome Biology, 2008, 9, R121.	9.6	98

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19	Contact inhibition of what? An analytical review. Journal of Cellular Physiology, 1973, 81, 25-37.	4.1	83
20	The Mechanism of CTL-Mediated Killing: Monoclonal Antibody Analysis of the Roles of Killer and Target-Cell Membrane Proteins. Immunological Reviews, 1983, 72, 73-96.	6.0	76
21	Antigens involved in mouse cytolytic T-lymphocyte (CTL)-mediated killing: Functional screening and topographic relationship. Cellular Immunology, 1982, 73, 1-11.	3.0	68
22	MULTIPLE TARGET CELL KILLING BY THE CYTOLYTIC T LYMPHOCYTE AND THE MECHANISM OF CYTOTOXICITY. Transplantation, 1976, 21, 5-11.	1.0	61
23	Proteopedia: A status report on the collaborative, 3D web-encyclopedia of proteins and other biomolecules. Journal of Structural Biology, 2011, 175, 244-252.	2.8	49
24	Low Energy Atomic Models Suggesting a Pilus Structure that could Account for Electrical Conductivity of Geobacter sulfurreducens Pili. Scientific Reports, 2016, 6, 23385.	3.3	43
25	Is the primary complement lesion insufficient for lysis? Failure of cells damaged under osmotic protection to lyse in EDTA or at low temperature after removal of osmotic protection. Clinical Immunology and Immunopathology, 1975, 4, 108-126.	2.0	34
26	How Do CTL Control Virus Infections? Evidence for Prelytic Halt of Herpes simplex. Viral Immunology, 1992, 5, 81-91.	1.3	32
27	The Role of Calcium in the Lethal Hit of T Lymphocyte-Mediated Cytolysis. Advances in Experimental Medicine and Biology, 1982, 146, 121-147.	1.6	32
28	POTENT ABILITY OF ANTI-LFA-1 MONOCLONAL ANTIBODY TO PROLONG ALLOGRAFT SURVIVAL1. Transplantation, 1984, 37, 520-522.	1.0	31
29	Contact inhibition of speed in 3T3 and its independence from postconfluence inhibition of cell division. Journal of Cellular Physiology, 1973, 81, 39-48.	4.1	30
30	Inhibition of immune cell-mediated killing by heparin. Clinical Immunology and Immunopathology, 1973, 1, 533-546.	2.0	24
31	Sizes of isotopically labeled molecules released during lysis of tumor cells labeled with 51Cr and [14C]nicotinamide. Cellular Immunology, 1976, 26, 313-321.	3.0	18
32	The Molecular Basis for Cytolytic T Lymphocyte Function: Analysis with Blocking Monoclonal Antibodies. Advances in Experimental Medicine and Biology, 1982, 146, 447-468.	1.6	17
33	T-lymphocyte mediated cytolysis: Temperature dependence of killer cell dependent and independent phases and lack of recovery from the lethal hit at low temperatures. Cellular Immunology, 1975, 20, 81-91.	3.0	16
34	Early steps in specific tumor cell lysis by sensitized mouse T lymphocytes. Cellular Immunology, 1981, 61, 78-89.	3.0	14
35	Calcium ionophore A23187 as a secretagogue for rat mast cells: Does it bypass inhibition by calcium flux blockers?. Agents and Actions, 1982, 12, 276-284.	0.7	13
36	Lytic granules, adhesion molecules, and other recent insights. Trends in Immunology, 1984, 5, 254-255.	7.5	12

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37	Lack of Association between Carcinoma of the Breast and HLâ€A Specificities. Tissue Antigens, 1973, 3, 30-38.	1.0	11
38	A Centrifuge for Rapid Concentration of Large Fragile Cells Without Extensive Lysis*. Journal of Protozoology, 1966, 13, 380-382.	0.8	9
39	Inability of EDTA to prevent damage mediated by cytolytic T-lymphocytes. Cellular Immunology, 1975, 20, 304-314.	3.0	8
40	Simultaneous suppression of allogeneic cytolytic activity and stimulation of lectin-dependent cytolytic activity by Con A. Cellular Immunology, 1978, 40, 103-116.	3.0	8
41	Proteopedia: 3D visualization and annotation of transcription factorâ€“DNA readout modes. Biochemistry and Molecular Biology Education, 2012, 40, 400-401.	1.2	8
42	Overview of CTL-Target Adhesion and Other Critical Events in the Cytotoxic Mechanism. , 1993, , 9-45.		6
43	Proteopedia.Org: A scientific â€œWikiâ€•bridging the rift between 3D structure and function of biomacromolecules. Biopolymers, 2009, 92, 76-77.	2.4	5
44	The 51Cr-Release Assay for CTL-Mediated Target Cell Lysis. , 1993, , 457-467.		4
45	Lymphocyte Function-Associated Antigens: Regulation of Lymphocyte Adhesions in Vitro and Immunity in Vivo. Advances in Experimental Medicine and Biology, 1985, 184, 291-310.	1.6	3
46	DNA Fragmentation and Cytolysis Assayed by 3H-Thymidine. , 1993, , 468-471.		2
47	One man's answer to immunological information overload: microcomputer management of the personal reprint collection. Trends in Immunology, 1983, 4, 271-273.	7.5	1
48	Proteopedia â€•a Scientific 'Wiki' Bridging the Rift Between 3D Structure and Function of Biomacromolecules. FASEB Journal, 2009, 23, LB238.	0.5	0
49	Publishing in Proteopedia: The Guide. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 277-295.	0.5	0
50	Can CTL Control Virus Infections Without Cytolysis? The Prelytic Halt Hypothesis. , 1993, , 366-369.		0