

Ivan Lefkovits

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103
papers

2,031
citations

25
h-index

40
g-index

106
ext. papers

2,093
ext. citations

5.2
avg, IF

4.16
L-index

#	Paper	IF	Citations
103	Limiting dilution analysis of the cells of immune system I. The clonal basis of the immune response. <i>Trends in Immunology</i> , 1984 , 5, 265-8		178
102	Induction of antibody-forming cell clones in microcultures. <i>European Journal of Immunology</i> , 1972 , 2, 360-6	6.1	153
101	Precursor cells specific to sheep red cells in nude mice. Estimation of frequency in the microculture system. <i>European Journal of Immunology</i> , 1973 , 3, 392-7	6.1	117
100	Plaque forming cells: methodology and theory. <i>Immunological Reviews</i> , 1974 , 18, 130-91	11.3	107
99	Isolation and characterization of the mycobacterial phagosome: segregation from the endosomal/lysosomal pathway. <i>Molecular Microbiology</i> , 1997 , 24, 545-53	4.1	65
98	Derivation of hybrids between a thymoma line and spleen cells activated in a mixed leukocyte reaction. <i>European Journal of Immunology</i> , 1977 , 7, 758-61	6.1	57
97	Clonal proteomics: one gene - family of proteins. <i>Proteomics</i> , 2002 , 2, 624-31	4.8	47
96	Translational control: a general mechanism for gene regulation during T cell activation. <i>FASEB Journal</i> , 1998 , 12, 299-306	0.9	45
95	Antibody response to phosphorylcholine in vitro. I. Studies on the frequency of precursor cells, average clone size and cellular cooperation. <i>European Journal of Immunology</i> , 1975 , 5, 343-9	6.1	44
94	Limiting Dilution Analysis 1979 , 355-370		36
93	Limiting dilution analysis of cells of the immune system II: What can be learnt?. <i>Trends in Immunology</i> , 1984 , 5, 295-8		35
92	Integrated epigenetics of human breast cancer: synoptic investigation of targeted genes, microRNAs and proteins upon demethylation treatment. <i>PLoS ONE</i> , 2011 , 6, e27355	3.7	34
91	Internal standard-based analysis of microarray data. Part 1: analysis of differential gene expressions. <i>Nucleic Acids Research</i> , 2009 , 37, 6323-39	20.1	34
90	A strategy for founding a global lymphocyte proteinpaedia and gene catalogue. <i>Trends in Immunology</i> , 1990 , 11, 157-62		34
89	Regulation of mRNA abundance in activated T lymphocytes: identification of mRNA species affected by the inhibition of protein synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 1753-7	11.5	32
88	Light chain heterogeneity in the amphibian <i>Xenopus</i> . <i>Molecular Immunology</i> , 1991 , 28, 985-94	4.3	32
87	Effect of recent antigen priming on adoptive immune responses. IV. Antigen-induced selective recruitment of recirculating lymphocytes to the spleen demonstrable with a microculture system. <i>Journal of Experimental Medicine</i> , 1976 , 143, 1289-98	16.6	31

86	Clones of antibody-forming cells in pokeweed mitogen stimulated microcultures. II. Estimation of the frequency of precursor cells and the average clone size. <i>European Journal of Immunology</i> , 1974 , 4, 617-21	6.1	31
85	Global analysis of gene expression in cells of the immune system I. Analytical limitations in obtaining sequence information on polypeptides in two-dimensional gel spots. <i>Electrophoresis</i> , 2000 , 21, 2688-93	3.6	28
84	Simultaneous isolation of DNA, RNA, and proteins for genetic, epigenetic, transcriptomic, and proteomic analysis. <i>Journal of Proteome Research</i> , 2009 , 8, 5264-74	5.6	27
83	Proteome, transcriptome and genome: top down or bottom up analysis?. <i>New Biotechnology</i> , 2001 , 18, 207-12		27
82	Immunoglobulin diversification in embryonic chicken bursae and in individual bursal follicles. <i>European Journal of Immunology</i> , 1988 , 18, 943-9	6.1	27
81	A replicator for handling and sampling microcultures in tissue culture trays. <i>European Journal of Immunology</i> , 1972 , 2, 365-366	6.1	27
80	The abnormal function of T cells in chronically anti-mu-treated mice with no mature B lymphocytes. <i>European Journal of Immunology</i> , 1984 , 14, 476-82	6.1	26
79	Use of Large-Scale Two-Dimensional ISODALT Gel Electrophoresis System in Immunology 1985 , 163-185		26
78	Limiting dilution analysis: from frequencies to cellular interactions. <i>Trends in Immunology</i> , 2000 , 21, 15-8		25
77	Proteomics strategies in cardiovascular research. <i>Journal of Proteome Research</i> , 2004 , 3, 200-8	5.6	24
76	Antibody response of rabbit blood lymphocytes in vitro. Kinetics, clone size, and clonotype analysis in response to streptococcal group polysaccharide antigens. <i>Journal of Experimental Medicine</i> , 1976 , 143, 360-71	16.6	23
75	Proteomic alterations in heat shock protein 27 and identification of phosphoproteins in ascending aortic aneurysm associated with bicuspid and tricuspid aortic valve. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 43, 792-801	5.8	22
74	Antibody response by rabbit peripheral blood lymphocytes in microcultures. <i>European Journal of Immunology</i> , 1973 , 3, 632-5	6.1	22
73	Proteomics in cardiovascular surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 133, 210-4	1.5	21
72	Homogeneity of antibodies produced by clones in vitro. <i>European Journal of Immunology</i> , 1973 , 3, 636-9	6.1	21
71	Toward an objective classification of cells in the immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 3565-9	11.5	20
70	Frequency of expressed immunoglobulin light chain genes in lipopolysaccharide-stimulated BALB/c spleen cells. <i>Journal of Experimental Medicine</i> , 1984 , 160, 971-86	16.6	20
69	An attempt to assess the overall diversity of murine T cells using two-dimensional gel electrophoresis. <i>European Journal of Immunology</i> , 1984 , 14, 769-77	6.1	18

68	Changes in the protein pattern of murine B cells after mitogenic stimulation. <i>European Journal of Immunology</i> , 1984 , 14, 778-81	6.1	18
67	Reutilization of ribosomal proteins in vivo for the formation of new ribosomal particles in <i>Escherichia coli</i> B. <i>Nucleic Acids and Protein Synthesis</i> , 1969 , 174, 566-73		18
66	In vitro complementation experiments with nude mice. I. The allogeneic effect in the antibody response to sheep red cells. <i>European Journal of Immunology</i> , 1973 , 3, 397-401	6.1	18
65	Radiation-induced augmentation of the immune response. <i>Contemporary Topics in Immunobiology</i> , 1980 , 11, 245-74		17
64	Proteomic analysis of human eosinophil activation mediated by mast cells, granulocyte macrophage colony stimulating factor and tumor necrosis factor alpha. <i>Proteomics</i> , 2002 , 2, 1616-26	4.8	16
63	Immunoglobulin diversification in bursal duct-ligated chickens. <i>European Journal of Immunology</i> , 1989 , 19, 1343-5	6.1	16
62	Analysis of subcellular organelles involved in major histocompatibility complex (MHC) class II-restricted antigen presentation by electrophoresis. <i>Electrophoresis</i> , 1997 , 18, 2523-30	3.6	15
61	Proteomic analysis of T cell activation in the presence of cyclosporin A: immunosuppressor and activator removal induces de novo protein synthesis. <i>Molecular Immunology</i> , 2000 , 37, 21-8	4.3	15
60	Clones of antibody-forming cells in pokeweed mitogen-stimulated microcultures. I. Requirements for the induction of the antibody response of nude spleen cells. <i>European Journal of Immunology</i> , 1974 , 4, 613-7	6.1	15
59	Increased protein synthesis after T cell activation in presence of cyclosporin A. <i>Transplantation</i> , 2000 , 70, 340-8	1.8	15
58	Proteomic analysis of secreted muscle components: search for factors involved in neuromuscular synapse formation. <i>Proteomics</i> , 2002 , 2, 1601-15	4.8	14
57	Proteomic analysis of rare molecular species of translated polypeptides from a mouse fetal thymus cDNA library. <i>Proteomics</i> , 2001 , 1, 560-73	4.8	14
56	Functional and structural proteomics: a critical appraisal. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 787, 1-10	3.2	13
55	Global analysis of lymphocyte gene expression: perturbation of H-9 cells by infection with distinct isolates of human immunodeficiency virus--an exposition by multivariate analysis of a host-parasite interface. <i>Electrophoresis</i> , 1991 , 12, 554-69	3.6	13
54	Translational control: a general mechanism for gene regulation during T cell activation. <i>FASEB Journal</i> , 1998 , 12, 299-306	0.9	13
53	Internal standard-based analysis of microarray data2--analysis of functional associations between HVE-genes. <i>Nucleic Acids Research</i> , 2011 , 39, 7881-99	20.1	12
52	Analysis of state-specific phosphorylation of proteins by two-dimensional gel electrophoresis approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 787, 53-61	3.2	12
51	The amino acid composition of 350 lymphocyte proteins. <i>Molecular Immunology</i> , 1994 , 31, 1219-31	4.3	11

50	Self and non-self discrimination by "restriction proteases". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986 , 83, 3437-8	11.5	11
49	Parameters of the labeling of mitogen-activated murine lymphocytes by [35S]methionine for two-dimensional gel electrophoresis. I. Effect of culture conditions. <i>Journal of Immunological Methods</i> , 1986 , 88, 53-64	2.5	11
48	Consecutive radiofluorography and silver staining of two-dimensional gel electrophoretograms: application in determining the biosynthesis of serum and tissue proteins. <i>Electrophoresis</i> , 1989 , 10, 708-13	3.6	10
47	Heterogeneity of B cell clones: immunoglobulin-secreting subsets. <i>Cellular Immunology</i> , 1982 , 66, 70-7	4.4	10
46	"Turnover proteome" of human atrial trabeculae. <i>Journal of Proteome Research</i> , 2007 , 6, 4458-68	5.6	9
45	... and such are little lymphocytes made of. <i>Research in Immunology</i> , 1995 , 146, 5-10		9
44	Lymphocyte protein synthesis: evidence that murine T cells are more affected by stress than B cells. <i>Immunology Letters</i> , 1996 , 52, 109-23	4.1	9
43	Lymphocyte Proteinpaedia stage two: T-cell polypeptides from a partitioned cDNA library revealed by the dual decay method. <i>International Archives of Allergy and Immunology</i> , 1994 , 103, 131-42	3.7	9
42	Using two-dimensional gel electrophoresis to study immune response against intracellular bacterial infection. <i>Electrophoresis</i> , 1992 , 13, 741-2	3.6	9
41	Proteome analysis in cardiovascular pathophysiology using Dahl rat model. <i>Journal of Proteomics</i> , 2011 , 74, 672-82	3.9	8
40	The pattern of proteins synthesized in the liver is profoundly modified upon infection of susceptible mice with mouse hepatitis virus 3. <i>Research in Virology</i> , 1992 , 143, 231-40		8
39	Molecular analysis of genetically determined target organ abnormalities in spontaneous autoimmune thyroiditis. <i>Immunobiology</i> , 1990 , 181, 414-29	3.4	8
38	Activation/suppression of the immune response in vitro by antigen and dextran sulfate. I. Analysis by limiting dilution methods. <i>European Journal of Immunology</i> , 1985 , 15, 708-12	6.1	8
37	An in vitro analysis of the immune capabilities of mice treated with immunosuppressive drugs. <i>International Archives of Allergy and Immunology</i> , 1974 , 46, 689-94	3.7	8
36	Analysis of a randomly assorted cDNA library from BW 5147 lymphoid cells. Frequency estimates based on computer aided concatenation matching of 2D gel polypeptide products. <i>Molecular Immunology</i> , 1997 , 34, 753-63	4.3	7
35	Isolation and characterization of the mycobacterial phagosome: segregation from the endosomal/lysosomal pathway. <i>Molecular Microbiology</i> , 1997 , 25, 427-427	4.1	7
34	SAP deficiency results in a striking alteration of the protein profile in activated CD4 T cells. <i>Journal of Proteome Research</i> , 2006 , 5, 1785-91	5.6	7
33	Global analysis of gene expression in cells of the immune system II. Cell-free translation products and high-density filter hybridization data. <i>Electrophoresis</i> , 2000 , 21, 2694-702	3.6	7

32	Proteome analysis of activated murine B-lymphocytes. <i>Electrophoresis</i> , 2000 , 21, 3730-9	3.6	7
31	Activation/suppression of the immune response in vitro by antigen and dextran sulfate. 2. The role of T-cell subsets determined by cell separation and partition analysis. <i>Cellular Immunology</i> , 1984 , 88, 129-36	4.4	7
30	Optimization of the culture medium composition for the antibody response of mouse spleen cells. <i>In Vitro</i> , 1984 , 20, 615-22		7
29	Proteomics of ascending aortic aneurysm with bicuspid or tricuspid aortic valve. <i>Asian Cardiovascular and Thoracic Annals</i> , 2007 , 15, 185-90	0.6	6
28	Properties of ribonucleoprotein particles in chloramphenicol-treated cells of Escherichia coli B. <i>Nucleic Acids and Protein Synthesis</i> , 1969 , 174, 561-5		6
27	Proteomic analysis of T cell activation in the presence of cyclosporin A: immunosuppressor and activator removal induces de novo protein synthesis. <i>Molecular Immunology</i> , 2000 , 37, 261	4.3	5
26	An attempt to identify gene products related to the induction of an antiviral state in macrophages resistant and sensitive to IFN-gamma. <i>Research in Virology</i> , 1993 , 144, 479-86		5
25	Assay for Plaque-Forming Cells 1979 , 277-285		5
24	Restriction sites as identification tags for lymphocyte cDNAs. <i>Electrophoresis</i> , 1997 , 18, 2781-7	3.6	4
23	Analysis of the activation of lymphoid cells by mitogens in vitro with limiting dilution methods: adherent peritoneal cells suppress B-cell activation and synergize with WEHI-3 in the activation of T cells by Con A. <i>Cellular Immunology</i> , 1986 , 99, 489-99	4.4	4
22	Prospective partition analysis of independently assorted sets. Accessory elements supporting clonal lymphoid activation by mitogens. <i>Journal of Immunological Methods</i> , 1988 , 114, 235-41	2.5	4
21	Precommitment in the immune system. <i>Modern Aspects of Electrochemistry</i> , 1974 , 65, 21-58		4
20	Expressed immunoglobulin repertoire of LPS-stimulated splenocytes of unimmunized mice as studied by two-dimensional gel electrophoresis. <i>Molecular Immunology</i> , 1998 , 35, 1089-96	4.3	3
19	Quantitative proteome analysis in cardiovascular physiology and pathology. I. Data processing. <i>Journal of Proteome Research</i> , 2008 , 7, 5211-20	5.6	3
18	Tables for Evaluating Limiting Diluting Experiments 1985 , 317-373		3
17	Clonal expansion and thymus dependence. Microculture experiments with TNP-lipopolysaccharide. <i>Advances in Experimental Medicine and Biology</i> , 1976 , 66, 101-6	3.6	3
16	How do B cells differ from T cells in terms of gene expression?. <i>Folia Microbiologica</i> , 1995 , 40, 405-12	2.8	2
15	Protein expression during murine thymus differentiation. <i>Autoimmunity</i> , 1996 , 5, 53-66		2

14	Putative invasion-specific proteins in mouse T-cell hybridomas that differ in invasive and metastatic potential. <i>International Journal of Cancer</i> , 1992 , 51, 745-53	7.5	2
13	LATENT BETA-GALACTOSIDASE IN ESCHERICHIA COLI. <i>Folia Microbiologica</i> , 1965 , 10, 93-103	2.8	2
12	Global analysis of gene expression in cells of the immune system I. Analytical limitations in obtaining sequence information on polypeptides in two-dimensional gel spots 2000 , 21, 2688		2
11	Quantitative proteomics of lymphocytes. <i>Comparative and Functional Genomics</i> , 2003 , 4, 531-6		1
10	Data management in a two-dimensional gel electrophoresis laboratory: "gelscript 1" software. <i>Electrophoresis</i> , 1994 , 15, 977-83	3.6	1
9	Direct and indirect plaque assays. <i>Methods in Enzymology</i> , 1987 , 150, 209-17	1.7	1
8	Growth of antibody-producing cell clones in microcultures. <i>Methods in Enzymology</i> , 1987 , 150, 240-51	1.7	1
7	Heterogeneity of mouse interleukins. <i>FEBS Letters</i> , 1980 , 121, 157-60	3.8	1
6	Clones of antibody-forming cells in microcultures. <i>Blut</i> , 1976 , 33, 297-300		1
5	Analysis of Two-Dimensional Gel Electrophoretic Protein Patterns upon in Vivo Labeling of Mice 1990 , 153-164		1
4	Global analysis of gene expression in cells of the immune system II. Cell-free translation products and high-density filter hybridization data 2000 , 21, 2694		1
3	Proteomic analysis of rare molecular species of translated polypeptides from a mouse fetal thymus cDNA library 2001 , 1, 560		1
2	Proteomics in Clinical Research: Perspectives and Expectations 2006 , 53-67		
1	A Few Key Historical Events in the Antibody Field: The Alacritous Antibody. <i>Viral Immunology</i> , 2020 , 33, 253-265	1.7	