

Jacqueline Marvel

List of Publications by Year in descending order

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125
papers

6,842
citations

71102

41
h-index

66911

78
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132
all docs

132
docs citations

132
times ranked

11203
citing authors

#	ARTICLE	IF	CITATIONS
1	The XC chemokine receptor 1 is a conserved selective marker of mammalian cells homologous to mouse CD8 ⁺ dendritic cells. <i>Journal of Experimental Medicine</i> , 2010, 207, 1283-1292.	8.5	558
2	T-bet and Eomes instruct the development of two distinct natural killer cell lineages in the liver and in the bone marrow. <i>Journal of Experimental Medicine</i> , 2014, 211, 563-577.	8.5	462
3	TGF- β 2 inhibits the activation and functions of NK cells by repressing the mTOR pathway. <i>Science Signaling</i> , 2016, 9, ra19.	3.6	453
4	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. <i>Genome Biology</i> , 2013, 14, R82.	9.6	403
5	Interleukin 3 protects murine bone marrow cells from apoptosis induced by DNA damaging agents.. <i>Journal of Experimental Medicine</i> , 1992, 176, 1043-1051.	8.5	225
6	Resting Memory CD8+ T Cells are Hyperreactive to Antigenic Challenge In Vitro. <i>Journal of Experimental Medicine</i> , 1996, 184, 2141-2152.	8.5	220
7	Immunogenicity and efficacy of a heterologous ChAdOx1-BNT162b2 vaccination. <i>Nature</i> , 2021, 600, 701-706.	27.8	180
8	TLR2 engagement on CD8 T cells lowers the threshold for optimal antigen-induced T cell activation. <i>European Journal of Immunology</i> , 2006, 36, 1684-1693.	2.9	172
9	Dominant interfering alleles define a role for c-Myb in T-cell development.. <i>Genes and Development</i> , 1994, 8, 770-782.	5.9	166
10	Tumor Promotion by Intratumoral Plasmacytoid Dendritic Cells Is Reversed by TLR7 Ligand Treatment. <i>Cancer Research</i> , 2013, 73, 4629-4640.	0.9	164
11	Regulation of Mouse NK Cell Development and Function by Cytokines. <i>Frontiers in Immunology</i> , 2013, 4, 450.	4.8	155
12	Involvement of inhibitory NKRs in the survival of a subset of memory-phenotype CD8+ T cells. <i>Nature Immunology</i> , 2001, 2, 430-435.	14.5	153
13	Sequential desensitization of CXCR4 and S1P5 controls natural killer cell trafficking. <i>Blood</i> , 2011, 118, 4863-4871.	1.4	119
14	Contrasting Cu, Fe, and Zn isotopic patterns in organs and body fluids of mice and sheep, with emphasis on cellular fractionation. <i>Metallomics</i> , 2013, 5, 1470.	2.4	111
15	Polyclonal expansion of TCR V β 21.3 CD4 and CD8 T cells is a hallmark of multisystem inflammatory syndrome in children. <i>Science Immunology</i> , 2021, 6, .	11.9	105
16	TRF2 inhibits a cell-extrinsic pathway through which natural killer cells eliminate cancer cells. <i>Nature Cell Biology</i> , 2013, 15, 818-828.	10.3	99
17	TLR2 Engagement on CD8 T Cells Enables Generation of Functional Memory Cells in Response to a Suboptimal TCR Signal. <i>Journal of Immunology</i> , 2009, 182, 1860-1867.	0.8	90
18	Role of PI3-kinase in Bcl-X induction and apoptosis inhibition mediated by IL-3 or IGF-1 in Baf-3 cells. <i>Cell Death and Differentiation</i> , 1999, 6, 290-296.	11.2	87

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19	Death by neglect as a deletional mechanism of peripheral tolerance. <i>International Immunology</i> , 1999, 11, 1225-1238.	4.0	83
20	Overexpression of Sp1 transcription factor induces apoptosis. <i>Oncogene</i> , 2006, 25, 7096-7105.	5.9	83
21	Overexpression of Transcription Factor Sp1 Leads to Gene Expression Perturbations and Cell Cycle Inhibition. <i>PLoS ONE</i> , 2009, 4, e7035.	2.5	79
22	Dual Impact of Live <i>Staphylococcus aureus</i> on the Osteoclast Lineage, Leading to Increased Bone Resorption. <i>Journal of Infectious Diseases</i> , 2015, 211, 571-581.	4.0	79
23	EuroPhenome: a repository for high-throughput mouse phenotyping data. <i>Nucleic Acids Research</i> , 2010, 38, D577-D585.	14.5	75
24	Calcium channel ITPR2 and mitochondria-ER contacts promote cellular senescence and aging. <i>Nature Communications</i> , 2021, 12, 720.	12.8	75
25	Photodynamic therapy and two-photon bio-imaging applications of hydrophobic chromophores through amphiphilic polymer delivery. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1216-1225.	2.9	74
26	Effects of T3R1±1 and T3R1±2 Gene Deletion on T and B Lymphocyte Development. <i>Journal of Immunology</i> , 2000, 164, 152-160.	0.8	68
27	Control of proliferation by Bcl-2 family members. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1644, 159-168.	4.1	68
28	In bone marrow derived Baf-3 cells, inhibition of apoptosis by IL-3 is mediated by two independent pathways. <i>Oncogene</i> , 1997, 14, 425-430.	5.9	64
29	TLR2 engagement on memory CD8 ⁺ T cells improves their cytokine-mediated proliferation and IFN- γ secretion in the absence of Ag. <i>European Journal of Immunology</i> , 2009, 39, 2673-2681.	2.9	63
30	Electroporation of mice zygotes with dual guide RNA/Cas9 complexes for simple and efficient cloning-free genome editing. <i>Scientific Reports</i> , 2018, 8, 474.	3.3	63
31	Development of antigen cross-presentation capacity in dendritic cells. <i>Trends in Immunology</i> , 2012, 33, 381-388.	6.8	60
32	Synthesis of PEGylated gold nanostars and bipyramids for intracellular uptake. <i>Nanotechnology</i> , 2012, 23, 465602.	2.6	58
33	Nanocarriers with ultrahigh chromophore loading for fluorescence bio-imaging and photodynamic therapy. <i>Biomaterials</i> , 2013, 34, 8344-8351.	11.4	58
34	Human natural killer cells promote cross-presentation of tumor cell-derived antigens by dendritic cells. <i>International Journal of Cancer</i> , 2015, 136, 1085-1094.	5.1	55
35	Growth factor starvation of bcl-2 overexpressing murine bone marrow cells induced refractoriness to IL-3 stimulation of proliferation. <i>Oncogene</i> , 1994, 9, 1117-22.	5.9	52
36	Intrasplenic trafficking of natural killer cells is redirected by chemokines upon inflammation. <i>European Journal of Immunology</i> , 2008, 38, 2076-2084.	2.9	51

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37	CpG Promotes Cross-Presentation of Dead Cell-Associated Antigens by Pre-CD8 ⁺ Dendritic Cells. <i>Journal of Immunology</i> , 2011, 186, 1503-1511.	0.8	50
38	S1PR5 is pivotal for the homeostasis of patrolling monocytes. <i>European Journal of Immunology</i> , 2013, 43, 1667-1675.	2.9	49
39	Cutting Edge: Immediate RANTES Secretion by Resting Memory CD8 T Cells Following Antigenic Stimulation. <i>Journal of Immunology</i> , 2003, 170, 1615-1619.	0.8	48
40	Interleukin 2 activates extracellular signal-regulated protein kinase 2. <i>Journal of Experimental Medicine</i> , 1993, 178, 1429-1434.	8.5	42
41	Kinetics and metabolic specificities of Vero cells in bioreactor cultures with serum-free medium. <i>Cytotechnology</i> , 2003, 42, 1-11.	1.6	42
42	Al/Bfl-1 expression is restricted to TCR engagement in T lymphocytes. <i>Cell Death and Differentiation</i> , 2003, 10, 1059-1067.	11.2	42
43	Restriction of De Novo Nucleotide Biosynthesis Interferes with Clonal Expansion and Differentiation into Effector and Memory CD8 T Cells. <i>Journal of Immunology</i> , 2004, 173, 4945-4952.	0.8	38
44	Biocompatible well-defined chromophore-polymer conjugates for photodynamic therapy and two-photon imaging. <i>Polymer Chemistry</i> , 2013, 4, 61-67.	3.9	38
45	Flt3 Ligand-Generated Murine Plasmacytoid and Conventional Dendritic Cells Differ in Their Capacity to Prime Naive CD8 T Cells and to Generate Memory Cells In Vivo. <i>Journal of Immunology</i> , 2005, 175, 189-195.	0.8	37
46	Differential In Vivo Persistence of Two Subsets of Memory Phenotype CD8 T Cells Defined by CD44 and CD122 Expression Levels. <i>Journal of Immunology</i> , 2002, 168, 2704-2711.	0.8	36
47	Identification of Nascent Memory CD8 T Cells and Modeling of Their Ontogeny. <i>Cell Systems</i> , 2017, 4, 306-317.e4.	6.2	36
48	Idiotypic analysis of potential and available repertoires in the arsonate system. <i>Journal of Experimental Medicine</i> , 1984, 160, 1-11.	8.5	35
49	Tolerant CD8 T cells induced by multiple injections of peptide antigen show impaired TCR signaling and altered proliferative responses in vitro and in vivo. <i>Journal of Immunology</i> , 1998, 161, 5260-7.	0.8	35
50	Idiotypic analysis of polyclonal and monoclonal anti-p-azophenylarsonate antibodies of BALB/c mice expressing the major cross-reactive idiotype of the A/J strain. <i>Journal of Immunology</i> , 1985, 134, 1734-9.	0.8	34
51	Decreased glycolytic metabolism contributes to but is not the inducer of apoptosis following IL-3-starvation. <i>Cell Death and Differentiation</i> , 2002, 9, 1147-1157.	11.2	33
52	NOD1 Cooperates with TLR2 to Enhance T Cell Receptor-Mediated Activation in CD8 T Cells. <i>PLoS ONE</i> , 2012, 7, e42170.	2.5	33
53	High-throughput mouse phenotyping. <i>Methods</i> , 2011, 53, 394-404.	3.8	31
54	ASC Controls IFN- γ Levels in an IL-18-Dependent Manner in Caspase-1-Deficient Mice Infected with <i>Francisella novicida</i> . <i>Journal of Immunology</i> , 2013, 191, 3847-3857.	0.8	31

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55	Targeting the phospholipase A2 receptor ameliorates premature aging phenotypes. <i>Aging Cell</i> , 2018, 17, e12835.	6.7	31
56	Memory CD44 ^{int} CD8 T cells show increased proliferative responses and IFN- γ production following antigenic challenge in vitro. <i>International Immunology</i> , 1999, 11, 699-706.	4.0	30
57	Characterization of a CD44/CD122 ^{int} Memory CD8 T Cell Subset Generated under Sterile Inflammatory Conditions. <i>Journal of Immunology</i> , 2009, 182, 3846-3854.	0.8	29
58	Multiscale Modeling of the Early CD8 T-Cell Immune Response in Lymph Nodes: An Integrative Study. <i>Computation</i> , 2014, 2, 159-181.	2.0	29
59	Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway Protects against Interleukin-3 Starvation but Not DNA Damage-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2001, 276, 10935-10942.	3.4	28
60	CD45R gives immunofluorescence and transduces signals on mouse T cells. <i>European Journal of Immunology</i> , 1988, 18, 825-828.	2.9	27
61	Bcl-2 Oncogene Protects a Bone Marrow-Derived Pre-B Cell Line from 5-Fluor,2-deoxyuridine-Induced Apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 126-132.	2.1	27
62	Bcl-X is the major pleiotropic anti-apoptotic gene activated by retroviral insertion mutagenesis in an IL-3 dependent bone marrow derived cell line. <i>Oncogene</i> , 1998, 16, 1399-1408.	5.9	27
63	Negative Regulation of NKG2D Expression by IL-4 in Memory CD8 T Cells. <i>Journal of Immunology</i> , 2012, 189, 3480-3489.	0.8	27
64	Molecular mapping of idiotopes of anti-arsenate antibodies. <i>Journal of Immunology</i> , 1986, 136, 2568-74.	0.8	27
65	OVX836 a recombinant nucleoprotein vaccine inducing cellular responses and protective efficacy against multiple influenza A subtypes. <i>Npj Vaccines</i> , 2019, 4, 4.	6.0	25
66	Characterization of Vero cell growth and death in bioreactor with serum-containing and serum-free media. <i>Cytotechnology</i> , 2001, 35, 115-125.	1.6	24
67	Role of CD4+CD45RA ⁺ T cells in the development of autoimmune diabetes in the non-obese diabetic (NOD) mouse. <i>International Immunology</i> , 1993, 5, 479-489.	4.0	23
68	In Vivo Impact of CpG1826 Oligodeoxynucleotide on CD8 T Cell Primary Responses and Survival. <i>Journal of Immunology</i> , 2003, 171, 2995-3002.	0.8	23
69	Human Naive and Memory T Cells Display Opposite Migratory Responses to Sphingosine-1 Phosphate. <i>Journal of Immunology</i> , 2018, 200, 551-557.	0.8	23
70	Anti-cd45ra antibodies increase the proliferation of mouse t cells to phytohemagglutinin through the interleukin 2/interleukin 2 receptor pathway. <i>European Journal of Immunology</i> , 1989, 19, 2005-2010.	2.9	22
71	Water-soluble chromophores with star-shaped oligomeric arms: synthesis, spectroscopic studies and first results in bio-imaging and cell death induction. <i>New Journal of Chemistry</i> , 2012, 36, 2328.	2.8	22
72	Antigen-Induced but Not Innate Memory CD8 T Cells Express NKG2D and Are Recruited to the Lung Parenchyma upon Viral Infection. <i>Journal of Immunology</i> , 2018, 200, 3635-3646.	0.8	22

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73	Maintenance of CCL5 mRNA stores by post-effector and memory CD8 T cells is dependent on transcription and is coupled to increased mRNA stability. <i>European Journal of Immunology</i> , 2006, 36, 2745-2754.	2.9	21
74	T inflammatory memory CD8 T cells participate to antiviral response and generate secondary memory cells with an advantage in XCL1 production. <i>Immunologic Research</i> , 2012, 52, 284-293.	2.9	21
75	Interleukin-3 and Bcl-2 cooperatively inhibit etoposide-induced apoptosis in a murine pre-B cell line. <i>European Journal of Immunology</i> , 1994, 24, 537-541.	2.9	20
76	Expression in vivo of CD45RA, CD45RB and CD44 on T cell receptor-transgenic CD8+ T cells following immunization. <i>European Journal of Immunology</i> , 1995, 25, 1755-1759.	2.9	20
77	Cell-Autonomous CCL5 Transcription by Memory CD8 T Cells Is Regulated by IL-4. <i>Journal of Immunology</i> , 2006, 177, 4451-4457.	0.8	20
78	IL-2 sensitivity and exogenous IL-2 concentration gradient tune the productive contact duration of CD8+ T cell-APC: a multiscale modeling study. <i>BMC Systems Biology</i> , 2016, 10, 77.	3.0	20
79	Memory in helper T cells of minor histocompatibility antigens, revealed in vivo by alloimmunizations in combination with Thy-1 antigen. <i>European Journal of Immunology</i> , 1992, 22, 115-122.	2.9	19
80	Loss of p53 or p73 in human papillomavirus type 38 E6 and E7 transgenic mice partially restores the UV-activated cell cycle checkpoints. <i>Oncogene</i> , 2008, 27, 2923-2928.	5.9	18
81	Overexpression of the Transcription Factor Sp1 Activates the OAS-RNase L-RIG-I Pathway. <i>PLoS ONE</i> , 2015, 10, e0118551.	2.5	18
82	Evidence that the CD45 phosphatase regulates the activity of the phospholipase C in mouse T lymphocytes. <i>European Journal of Immunology</i> , 1991, 21, 195-201.	2.9	17
83	The product of the v-src-inducible gene nr-13 is a potent anti-apoptotic factor. <i>Oncogene</i> , 1996, 13, 1441-6.	5.9	17
84	Idiotypic Games within the Immune Network. <i>Immunological Reviews</i> , 1986, 90, 73-92.	6.0	15
85	Immune signatures of protective spleen memory CD8 T cells. <i>Scientific Reports</i> , 2016, 6, 37651.	3.3	15
86	Two-Photon Photosensitizer- ϵ -Polymer Conjugates for Combined Cancer Cell Death Induction and Two-Photon Fluorescence Imaging: Structure/Photodynamic Therapy Efficiency Relationship. <i>Biomacromolecules</i> , 2017, 18, 4022-4033.	5.4	15
87	Labeling of native proteins with fluorescent RAFT polymer probes: application to the detection of a cell surface protein using flow cytometry. <i>Polymer Chemistry</i> , 2018, 9, 1857-1868.	3.9	15
88	CD45RA+ T Cells: Not Simple Virgins. <i>Clinical Science</i> , 1993, 85, 515-519.	4.3	14
89	MAVS deficiency induces gut dysbiotic microbiota conferring a proallergic phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10404-10409.	7.1	14
90	OVX836 Heptameric Nucleoprotein Vaccine Generates Lung Tissue-Resident Memory CD8+ T-Cells for Cross-Protection Against Influenza. <i>Frontiers in Immunology</i> , 2021, 12, 678483.	4.8	14

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91	The CD45RA molecule is expressed in naive murine CTL precursors but absent in memory and effector CTL. <i>International Immunology</i> , 1991, 3, 21-28.	4.0	13
92	Altered methional homeostasis is associated with decreased apoptosis in BAF3 bcl2 murine lymphoid cells. <i>Biochemical Journal</i> , 1996, 313, 973-981.	3.7	13
93	Predicting pathogen-specific CD8 T cell immune responses from a modeling approach. <i>Journal of Theoretical Biology</i> , 2015, 374, 66-82.	1.7	13
94	Poly-functional and long-lasting anticancer immune response elicited by a safe attenuated <i>Pseudomonas aeruginosa</i> vector for antigens delivery. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16033.	4.4	12
95	Zeb1 represses TCR signaling, promotes the proliferation of T cell progenitors and is essential for NK1.1+ T cell development. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2140-2152.	10.5	12
96	CD45RA is detected in all thymocyte subsets defined by CD4 and CD8 by using three-colour flow cytometry. <i>Immunology</i> , 1990, 71, 467-72.	4.4	12
97	In the mouse the maturation stage of the peripheral CD4+ CD45RA+ subset is different from that of the CD8+ CD45RA+ subset. <i>European Journal of Immunology</i> , 1991, 21, 2161-2165.	2.9	11
98	Hyper-reactivity of mouse CD45RA ^{hi} T cells. <i>European Journal of Immunology</i> , 1993, 23, 2383-2386.	2.9	11
99	CD137 in NK cells. <i>Blood</i> , 2010, 115, 2987-2988.	1.4	11
100	Mathematical model of the primary CD8 T cell immune response: stability analysis of a nonlinear age-structured system. <i>Journal of Mathematical Biology</i> , 2012, 65, 263-291.	1.9	11
101	PLA2R1 promotes DNA damage and inhibits spontaneous tumor formation during aging. <i>Cell Death and Disease</i> , 2021, 12, 190.	6.3	10
102	Problems in the Physiology of Class I and Class II MHC Molecules, and of CD45. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1989, 54, 667-674.	1.1	10
103	Study of idiopathic suppression induced by anti-cross-reactive idiotype monoclonal antibody in the anti-p-azophenylarsonate antibody response. <i>Journal of Immunology</i> , 1986, 136, 1960-7.	0.8	10
104	Model-Based Assessment of the Role of Uneven Partitioning of Molecular Content on Heterogeneity and Regulation of Differentiation in CD8 T-Cell Immune Responses. <i>Frontiers in Immunology</i> , 2019, 10, 230.	4.8	9
105	Progress in T cell biology. <i>Immunology Letters</i> , 1987, 16, 171-177.	2.5	8
106	CD45RA antibodies split the CD3 ^{bright} T cell subset. <i>International Immunology</i> , 1991, 3, 917-922.	4.0	8
107	Characterization at the Single-Cell Level of Naive and Primed CD8 T Cell Cytokine Responses. <i>Cellular Immunology</i> , 2000, 206, 16-25.	3.0	8
108	Fluorescent gold nanoparticles with chain-end grafted RAFT copolymers: influence of the polymer molecular weight and type of chromophore. <i>Polymer Chemistry</i> , 2016, 7, 6812-6825.	3.9	8

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109	Specific detection of memory T _H 1 cells in COVID-19 patients using standardized whole-blood Interferon gamma release assay. <i>European Journal of Immunology</i> , 2021, 51, 3239-3242.	2.9	8
110	The Idiotypic Network: Order from the Beginning or Order out of Chaos?. <i>Current Topics in Microbiology and Immunology</i> , 1985, 119, 127-142.	1.1	7
111	Hyperproliferative Response of a Monoclonal Memory CD8 T Cell Population Is Characterized by an Increased Frequency of Clonogenic Precursors. <i>Journal of Immunology</i> , 2002, 168, 2147-2153.	0.8	5
112	Generation of transgenic mice expressing EGFP protein fused to NP68 MHC class I epitope using lentivirus vectors. <i>Genesis</i> , 2013, 51, 193-200.	1.6	5
113	The influence of V β gene polymorphism on the induction of silent idiotypes in the arsonate system. <i>Molecular Immunology</i> , 1987, 24, 463-469.	2.2	4
114	Idiotype-Anti-Idiotype Interactions of VHIX-Coded Anti-Progesterone and Anti-Arsonate Antibodies.. <i>Scandinavian Journal of Immunology</i> , 1987, 26, 267-276.	2.7	4
115	Some aspects of idiotypic networks: Self/non-self discrimination, selection of available repertoires and broken mirrors. <i>Annales De L'Institut Pasteur Immunologie</i> , 1988, 139, 609-618.	0.8	3
116	Some Thoughts on the Future of Idiotypic Vaccines. <i>Progress in Vaccinology</i> , 1991, , 1-7.	0.7	3
117	The split within the CD4 (helper) T-cell subset, and its implications for immunopathology. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1987, 82, 260-273.	1.6	3
118	Idiotypic manipulations in the arsonate system. <i>Annales De L'Institut Pasteur Immunologie</i> , 1984, 135, 45-50.	0.8	2
119	Ph α notype et fonctions des lymphocytes T CD8+m α moire. <i>Medecine/Sciences</i> , 2001, 17, 1105-1111.	0.2	1
120	Expression of CD45 on T-cell populations. <i>Trends in Immunology</i> , 1990, 11, 432.	7.5	0
121	Identification of Apoptosis Regulatory Genes Using Insertional Mutagenesis. , 2004, 282, 275-290.		0
122	The Inflammasome Adaptor ASC Delays UV-Induced Skin Tumorigenesis in Beta HPV38 E6 and E7 Transgenic Mice. <i>Journal of Investigative Dermatology</i> , 2021, 141, 236-238.e2.	0.7	0
123	Modeling and characterization of inter-individual variability in CD8 T cell responses in mice. <i>In Silico Biology</i> , 2021, 14, 13-39.	0.9	0
124	Monitoring Growth and Death of Vero Cells Cultivated in Bioreactor with Serum-Containing and Serum-Free Media. , 2001, , 213-216.		0
125	FROM IDIOTYPES TO IDIOTYPIC NETWORKS. , 1986, , 111-138.		0