Richard M Siegel

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Super-Resolution Imaging of Fas/CD95 Reorganization Induced by Membrane-Bound Fas Ligand Reveals Nanoscale Clustering Upstream of FADD Recruitment. Cells, 2022, 11, 1908.	4.1	3
2	Characterization of autoantibodies, immunophenotype and autoimmune disease in a prospective cohort of patients with idiopathic CD4 lymphocytopenia. Clinical Immunology, 2021, 224, 108664.	3.2	5
3	Distribution and Functional Consequences of Somatic MAP2K1 Variants in Affected Skin Associated with Bone Lesions in Melorheostosis. Journal of Investigative Dermatology, 2021, 141, 688-692.e11.	0.7	3
4	Feeding-induced resistance to acute lethal sepsis is dependent on hepatic BMAL1 and FXR signalling. Nature Communications, 2021, 12, 2745.	12.8	13
5	Somatic <i>SMAD3</i> -activating mutations cause melorheostosis by up-regulating the TGF-β/SMAD pathway. Journal of Experimental Medicine, 2020, 217, .	8.5	24
6	Circulating TNF-like protein 1A (TL1A) is elevated early in rheumatoid arthritis and depends on TNF. Arthritis Research and Therapy, 2020, 22, 106.	3.5	6
7	LOX-1: A potential driver of cardiovascular risk in SLE patients. PLoS ONE, 2020, 15, e0229184.	2.5	22
8	Prevalence and pathogenicity of autoantibodies in patients with idiopathic CD4 lymphopenia. Journal of Clinical Investigation, 2020, 130, 5326-5337.	8.2	16
9	Cytokines and Cytokine Receptors. , 2019, , 127-155.e1.		44
10	Distinct Clinical and Pathological Features of Melorheostosis Associated With Somatic <i>MAP2K1</i> Mutations. Journal of Bone and Mineral Research, 2019, 34, 145-156.	2.8	22
11	Clinical Evaluation of Melorheostosis in the Context of a Natural History Clinical Study. JBMR Plus, 2019, 3, e10214.	2.7	7
12	Natural killer cell expression of Ki67 is associated with elevated serum IL-15, disease activity and nephritis in systemic lupus erythematosus. Clinical and Experimental Immunology, 2019, 196, 226-236.	2.6	18
13	Melorheostotic Bone Lesions Caused by Somatic Mutations in <i>MAP2K1</i> Have Deteriorated Microarchitecture and Periosteal Reaction. Journal of Bone and Mineral Research, 2019, 34, 883-895.	2.8	16
14	Insights into rheumatic diseases from next-generation sequencing. Nature Reviews Rheumatology, 2019, 15, 327-339.	8.0	28
15	Low-density granulocytes activate T cells and demonstrate a non-suppressive role in systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2019, 78, 957-966.	0.9	106
16	Daily variation in macrophage phagocytosis is clockâ€independent and dispensable for cytokine production. Immunology, 2019, 157, 122-136.	4.4	24
17	AB0184â€FLOW CYTOMETRIC IMMUNOPHENOTYPING OF SALIVARY GLANDS IN PRIMARY SJÖGREN'S SYNDROME. , 2019, , .		15
18	Safety and Tolerability of Omalizumab: A Randomized Clinical Trial of Humanized Antiâ€IgE Monoclonal Antibody in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2019, 71, 1135-1140.	5.6	46

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19	Retinoic Acid Receptor Alpha Represses a Th9 Transcriptional and Epigenomic Program to Reduce Allergic Pathology. Immunity, 2019, 50, 106-120.e10.	14.3	54
20	T cells genetically engineered to overcome death signaling enhance adoptive cancer immunotherapy. Journal of Clinical Investigation, 2019, 129, 1551-1565.	8.2	108
21	RORα-expressing T regulatory cells restrain allergic skin inflammation. Science Immunology, 2018, 3, .	11.9	97
22	Somatic activating mutations in MAP2K1 cause melorheostosis. Nature Communications, 2018, 9, 1390.	12.8	56
23	Cleavage of TL1A Differentially Regulates Its Effects on Innate and Adaptive Immune Cells. Journal of Immunology, 2018, 200, 1360-1369.	0.8	10
24	IL-21 drives expansion and plasma cell differentiation of autoreactive CD11chiT-bet+ B cells in SLE. Nature Communications, 2018, 9, 1758.	12.8	392
25	Reduced monocyte and macrophage TNFSF15/TL1A expression is associated with susceptibility to inflammatory bowel disease. PLoS Genetics, 2018, 14, e1007458.	3.5	30
26	Fas Ligand localizes to intraluminal vesicles within NK cell cytolytic granules and is enriched at the immune synapse. Immunity, Inflammation and Disease, 2018, 6, 312-321.	2.7	26
27	Beyond Cell Death: New Functions for TNF Family Cytokines in Autoimmunity and Tumor Immunotherapy. Trends in Molecular Medicine, 2018, 24, 642-653.	6.7	59
28	Beyond TNF: TNF superfamily cytokines as targets for the treatment of rheumatic diseases. Nature Reviews Rheumatology, 2017, 13, 217-233.	8.0	235
29	Heterozygosity for transmembrane activator and calcium modulator ligand interactor A144E causes haploinsufficiency and pneumococcal susceptibility in mice. Journal of Allergy and Clinical Immunology, 2017, 139, 1293-1301.e4.	2.9	13
30	Spontaneous Secretion of the Citrullination Enzyme PAD2 and Cell Surface Exposure of PAD4 by Neutrophils. Frontiers in Immunology, 2017, 8, 1200.	4.8	82
31	Prolonged fasting suppresses mitochondrial NLRP3 inflammasome assembly and activation via SIRT3-mediated activation of superoxide dismutase 2. Journal of Biological Chemistry, 2017, 292, 12153-12164.	3.4	107
32	Targeted genomic analysis reveals widespread autoimmune disease association with regulatory variants in the TNF superfamily cytokine signalling network. Genome Medicine, 2016, 8, 76.	8.2	17
33	Fas/CD95 prevents autoimmunity independently of lipid raft localization and efficient apoptosis induction. Nature Communications, 2016, 7, 13895.	12.8	45
34	Breaking the Mold: Partnering with the National Institutes of Health Intramural Research Program to Accelerate PhD Training. Trends in Immunology, 2016, 37, 813-815.	6.8	0
35	Cryo-EM Structure of Caspase-8 Tandem DED Filament Reveals Assembly and Regulation Mechanisms of the Death-Inducing Signaling Complex. Molecular Cell, 2016, 64, 236-250.	9.7	128
36	Itk is required for Th9 differentiation via TCR-mediated induction of IL-2 and IRF4. Nature Communications, 2016, 7, 10857.	12.8	62

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37	Loss-of-function mutations in TNFAIP3 leading to A20 haploinsufficiency cause an early-onset autoinflammatory disease. Nature Genetics, 2016, 48, 67-73.	21.4	513
38	Structural Basis and Functional Role of Intramembrane Trimerization of the Fas/CD95 Death Receptor. Molecular Cell, 2016, 61, 602-613.	9.7	135
39	The TNF-Family Ligand TL1A and Its Receptor DR3 Promote T Cell–Mediated Allergic Immunopathology by Enhancing Differentiation and Pathogenicity of IL-9–Producing T Cells. Journal of Immunology, 2015, 194, 3567-3582.	0.8	96
40	The TNF-family cytokine TL1A: from lymphocyte costimulator to disease co-conspirator. Journal of Leukocyte Biology, 2015, 98, 333-345.	3.3	58
41	Memory T cell–driven differentiation of naive cells impairs adoptive immunotherapy. Journal of Clinical Investigation, 2015, 126, 318-334.	8.2	193
42	Fasting and refeeding differentially regulate NLRP3 inflammasome activation in human subjects. Journal of Clinical Investigation, 2015, 125, 4592-4600.	8.2	135
43	Inhibition of caspase-8 activity promotes protective Th1- and Th2-mediated immunity to Leishmania major infection. Journal of Leukocyte Biology, 2014, 95, 347-355.	3.3	12
44	The TNF-family cytokine TL1A promotes allergic immunopathology through group 2 innate lymphoid cells. Mucosal Immunology, 2014, 7, 958-968.	6.0	132
45	Extracellular Flux Analysis to Monitor Glycolytic Rates and Mitochondrial Oxygen Consumption. Methods in Enzymology, 2014, 542, 125-149.	1.0	67
46	A Rapid Ex Vivo Clinical Diagnostic Assay for Fas Receptor-Induced T Lymphocyte Apoptosis. Journal of Clinical Immunology, 2013, 33, 479-488.	3.8	14
47	Cytokines and cytokine receptors. , 2013, , 108-135.		8
48	Autoimmunity: Twenty Years in the Fas Lane. Journal of Immunology, 2012, 189, 5097-5100.	0.8	5
49	Development of IgA nephropathy-like glomerulonephritis associated with Wiskott–Aldrich syndrome protein deficiency. Clinical Immunology, 2012, 142, 160-166.	3.2	17
50	Mitochondrial reactive oxygen species promote production of proinflammatory cytokines and are elevated in TNFR1-associated periodic syndrome (TRAPS). Journal of Experimental Medicine, 2011, 208, 519-533.	8.5	749
51	Progranulin Resolves Inflammation. Science, 2011, 332, 427-428.	12.6	49
52	TL1A and DR3, a TNF family ligandâ€receptor pair that promotes lymphocyte costimulation, mucosal hyperplasia, and autoimmune inflammation. Immunological Reviews, 2011, 244, 188-196.	6.0	111
53	Specific elimination of effector memory CD4+ T cells due to enhanced Fas signaling complex formation and association with lipid raft microdomains. Cell Death and Differentiation, 2011, 18, 712-720.	11.2	35
54	Wiskott–Aldrich Syndrome at the nexus of autoimmune and primary immunodeficiency diseases. FEBS Letters, 2011, 585, 3710-3714.	2.8	33

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55	Inflammation-inducing Th1 and Th17 cells differ in their expression patterns of apoptosis-related molecules. Cellular Immunology, 2011, 271, 210-213.	3.0	11
56	The ribonucleotide reductase R1 subunits of herpes simplex virus types 1 and 2 protect cells against TNFα- and FasL-induced apoptosis by interacting with caspase-8. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 256-271.	4.9	81
57	Harnessing programmed cell death as a therapeutic strategy in rheumatic diseases. Nature Reviews Rheumatology, 2011, 7, 152-160.	8.0	14
58	The TNF-family cytokine TL1A drives IL-13-dependent small intestinal inflammation. Mucosal Immunology, 2011, 4, 172-185.	6.0	133
59	Systemic autoimmunity and defective Fas ligand secretion in the absence of the Wiskott-Aldrich syndrome protein. Blood, 2010, 116, 740-747.	1.4	48
60	The Fas–FADD death domain complex structure reveals the basis of DISC assembly and disease mutations. Nature Structural and Molecular Biology, 2010, 17, 1324-1329.	8.2	236
61	New insights into T cell biology and T cellâ€directed therapy for autoimmunity, inflammation, and immunosuppression. Annals of the New York Academy of Sciences, 2010, 1183, 123-148.	3.8	55
62	Revised diagnostic criteria and classification for the autoimmune lymphoproliferative syndrome (ALPS): report from the 2009 NIH International Workshop. Blood, 2010, 116, e35-e40.	1.4	405
63	CCR2 Identifies a Stable Population of Human Effector Memory CD4+ T Cells Equipped for Rapid Recall Response. Journal of Immunology, 2010, 185, 6646-6663.	0.8	41
64	Unlike Th1, Th17 Cells Mediate Sustained Autoimmune Inflammation and Are Highly Resistant to Restimulation-Induced Cell Death. Journal of Immunology, 2009, 183, 7547-7556.	0.8	55
65	Many Checkpoints on the Road to Cell Death:Regulation of Fas–FasL Interactions and Fas Signaling in Peripheral Immune Responses. Results and Problems in Cell Differentiation, 2009, 49, 17-47.	0.7	38
66	The murine equivalent of the A181E TACI mutation associated with common variable immunodeficiency severely impairs B-cell function. Blood, 2009, 114, 2254-2262.	1.4	49
67	Rheumatologic and autoimmune manifestations of primary immunodeficiency disorders. Current Opinion in Rheumatology, 2009, 21, 78-84.	4.3	52
68	Wishing Away Inflammation? New Links between Serotonin and TNF Signaling. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2009, 9, 299-301.	3.4	21
69	The TNF-Family Receptor DR3 is Essential for Diverse T Cell-Mediated Inflammatory Diseases. Immunity, 2008, 29, 79-89.	14.3	215
70	Induction of TRAIL- and TNF-α-Dependent Apoptosis in Human Monocyte-Derived Dendritic Cells by Microfilariae of Brugia malayi. Journal of Immunology, 2008, 181, 7081-7089.	0.8	28
71	Cytokines and cytokine receptors. , 2008, , 139-171.		1
72	The <i>Yersinia</i> Effector Protein YpkA Induces Apoptosis Independently of Actin Depolymerization. Journal of Immunology, 2007, 178, 6426-6434.	0.8	21

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73	Cutting Edge: Rac GTPases Sensitize Activated T Cells to Die via Fas. Journal of Immunology, 2007, 179, 6384-6388.	0.8	38
74	A Fas-Associated Death Domain Protein/Caspase-8-Signaling Axis Promotes S-Phase Entry and Maintains S6 Kinase Activity in T Cells Responding to IL-2. Journal of Immunology, 2007, 179, 5291-5300.	0.8	28
75	Interleukin-2 Signaling via STAT5 Constrains T Helper 17 Cell Generation. Immunity, 2007, 26, 371-381.	14.3	1,317
76	A FAScinating Receptor in Self-Tolerance. Immunity, 2007, 26, 545-547.	14.3	9
77	Falling into TRAPS – receptor misfolding in the TNF receptor 1-associated periodic fever syndrome. Arthritis Research and Therapy, 2007, 9, 217.	3.5	64
78	Dominant inhibition of Fas ligand-mediated apoptosis due to a heterozygous mutation associated with autoimmune lymphoproliferative syndrome (ALPS) Type Ib. BMC Medical Genetics, 2007, 8, 41.	2.1	69
79	T cell–directed therapies: lessons learned and future prospects. Nature Immunology, 2007, 8, 25-30.	14.5	59
80	Autoimmunity versus tolerance: Can dying cells tip the balance?. Clinical Immunology, 2007, 122, 125-134.	3.2	73
81	Impaired in vitro regulatory T cell function associated with Wiskott–Aldrich syndrome. Clinical Immunology, 2007, 124, 41-48.	3.2	95
82	Dominant-negative effect of the heterozygous C104R TACI mutation in common variable immunodeficiency (CVID). Journal of Clinical Investigation, 2007, 117, 1550-1557.	8.2	93
83	Abnormal disulfide-linked oligomerization results in ER retention and altered signaling by TNFR1 mutants in TNFR1-associated periodic fever syndrome (TRAPS). Blood, 2006, 108, 1320-1327.	1.4	225
84	A new web resource for NIH immunology. Nature Immunology, 2006, 7, 1007-1007.	14.5	1
85	Caspases at the crossroads of immune-cell life and death. Nature Reviews Immunology, 2006, 6, 308-317.	22.7	269
86	Homotypic FADD interactions through a conserved RXDLL motif are required for death receptor-induced apoptosis. Cell Death and Differentiation, 2006, 13, 1641-1650.	11.2	52
87	Measurement of two caspase activities simultaneously in living cells by a novel dual FRET fluorescent indicator probe. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 477-486.	1.5	56
88	TRAF6 Regulates Cell Fate Decisions by Inducing Caspase 8-dependent Apoptosis and the Activation of NF-κB. Journal of Biological Chemistry, 2006, 281, 11235-11249.	3.4	44
89	Receptor-Mediated Lymphocyte Apoptosis in Health and Disease. Journal of Pediatric Gastroenterology and Nutrition, 2005, 40, S16.	1.8	0
90	All in the Family: The TNF-TNFR Superfamily in the Pathogenesis and Treatment of Rheumatoid Arthritis and other Inflammatory Diseases. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2005, 4, 587-596.	0.4	0

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91	Caspase-8 Activity Prevents Type 2 Cytokine Responses and Is Required for Protective T Cell-Mediated Immunity against <i>Trypanosoma cruzi</i> Infection. Journal of Immunology, 2005, 174, 6314-6321.	0.8	38
92	Analysis of Human Immunodeficiency Virus Cytopathicity by Using a New Method for Quantitating Viral Dynamics in Cell Culture. Journal of Virology, 2005, 79, 4025-4032.	3.4	18
93	Progressive Glomerulonephritis and Histiocytic Sarcoma Associated with Macrophage Functional Defects in CYP1B1-Deficient Mice. Toxicologic Pathology, 2004, 32, 710-718.	1.8	31
94	Inhibition of MAPK Signaling Pathways by VopA from Vibrio parahaemolyticus. Journal of Biological Chemistry, 2004, 279, 51953-51957.	3.4	112
95	SPOTS. Journal of Cell Biology, 2004, 167, 735-744.	5.2	137
96	Viral FLIP Impairs Survival of Activated T Cells and Generation of CD8+ T Cell Memory. Journal of Immunology, 2004, 172, 6313-6323.	0.8	45
97	Ligand-independent redistribution of Fas (CD95) into lipid rafts mediates clonotypic T cell death. Nature Immunology, 2004, 5, 182-189.	14.5	204
98	The NS3 protein of hepatitis C virus induces caspase-8-mediated apoptosis independent of its protease or helicase activities. Virology, 2004, 329, 53-67.	2.4	69
99	Measurement of Apoptosis and Other Forms of Cell Death. Current Protocols in Immunology, 2004, 59, Unit 3.17.	3.6	43
100	Monitoring Caspase Activity in Living Cells Using Fluorescent Proteins and Flow Cytometry. American Journal of Pathology, 2004, 164, 1901-1913.	3.8	38
101	Life And Death Decisions. Immunity, 2004, 21, 461-465.	14.3	294
102	Selective Recognition of Acetylated Histones by Bromodomain Proteins Visualized in Living Cells. Molecular Cell, 2004, 13, 33-43.	9.7	341
103	Death Receptor Signaling and Autoimmunity. Immunologic Research, 2003, 27, 499-512.	2.9	25
104	Interaction of Histone Acetylases and Deacetylases In Vivo. Molecular and Cellular Biology, 2003, 23, 1025-1033.	2.3	78
105	Pilot clinical trial of intravenous doxycycline versus placebo for rheumatoid arthritis. Journal of Rheumatology, 2003, 30, 41-3.	2.0	11
106	Binding of FADD and Caspase-8 to Molluscum Contagiosum Virus MC159 v-FLIP Is Not Sufficient for Its Antiapoptotic Function. Journal of Virology, 2002, 76, 697-706.	3.4	69
107	Apoptosis Signaling Pathways. Current Protocols in Cytometry, 2002, 21, Unit 7.18.	3.7	5
108	Pleiotropic defects in lymphocyte activation caused by caspase-8 mutations lead to human immunodeficiency. Nature, 2002, 419, 395-399.	27.8	648

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109	The Death Effector Domains (DEDs) of the Molluscum Contagiosum Virus MC159 v-FLIP Protein Are Not Functionally Interchangeable with Each Other or with the DEDs of Caspase-8. Virology, 2002, 300, 217-225.	2.4	29
110	The bile acid–activated phosphatidylinositol 3-kinase pathway inhibits Fas apoptosis upstream of bid in rodent hepatocytes. Gastroenterology, 2001, 120, 1810-1817.	1.3	76
111	Apoptosis Signaling Pathways. Current Protocols in Immunology, 2001, 44, Unit 11.9C.	3.6	5
112	Immunophenotypic profiles in families with autoimmune lymphoproliferative syndrome. Blood, 2001, 98, 2466-2473.	1.4	129
113	Fluorescence resonance energy transfer analysis of cell surface receptor interactions and signaling using spectral variants of the green fluorescent protein. Cytometry, 2001, 44, 361-368.	1.8	113
114	The Autoimmune Lymphoproliferative Syndrome. Clinical Reviews in Allergy and Immunology, 2001, 20, 109-120.	6.5	14
115	To B or not to B: TNF family signaling in lymphocytes. Nature Immunology, 2001, 2, 577-578.	14.5	25
116	Generation of an Apoptotic Intracellular Peptide by Î ³ -Secretase Cleavage of Alzheimer's Amyloid ß Protein Precursor. Journal of Alzheimer's Disease, 2000, 2, 289-301.	2.6	195
117	The multifaceted role of Fas signaling in immune cell homeostasis and autoimmunity. Nature Immunology, 2000, 1, 469-474.	14.5	394
118	Measurement of Molecular Interactions in Living Cells by Fluorescence Resonance Energy Transfer Between Variants of the Green Fluorescent Protein. Science Signaling, 2000, 2000, pl1-pl1.	3.6	122
119	Signaling by the TNF Receptor Superfamily and T Cell Homeostasis. Immunity, 2000, 13, 419-422.	14.3	187
120	A Domain in TNF Receptors That Mediates Ligand-Independent Receptor Assembly and Signaling. Science, 2000, 288, 2351-2354.	12.6	769
121	Fas Preassociation Required for Apoptosis Signaling and Dominant Inhibition by Pathogenic Mutations. Science, 2000, 288, 2354-2357.	12.6	600
122	Defective CD95/APO-1/Fas signal complex formation in the human autoimmune lymphoproliferative syndrome, type Ia. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4552-4557.	7.1	183
123	MATURE T LYMPHOCYTE APOPTOSIS—Immune Regulation in a Dynamic and Unpredictable Antigenic Environment. Annual Review of Immunology, 1999, 17, 221-253.	21.8	881
124	The role of Fas and related death receptors in autoimmune and other disease states. Journal of Allergy and Clinical Immunology, 1999, 103, 729-738.	2.9	58
125	Death-effector Filaments: Novel Cytoplasmic Structures that Recruit Caspases and Trigger Apoptosis. Journal of Cell Biology, 1998, 141, 1243-1253.	5.2	225
126	Membrane Oligomerization and Cleavage Activates the Caspase-8 (FLICE/MACHα1) Death Signal. Journal of Biological Chemistry, 1998, 273, 4345-4349.	3.4	330

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127	Molecular Genetic Studies in Lymphocyte Apoptosis and Human Autoimmunity. Novartis Foundation Symposium, 1998, 215, 73-91.	1.1	5
128	Gld and Lpr Mice: Single Gene Mutant Models for Failed Self Tolerance. International Reviews of Immunology, 1994, 11, 231-244.	3.3	11
129	Differential effects of Bcl-2 on T and B cells in transgenic mice Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11376-11380.	7.1	134
130	Inhibition of thymocyte apoptosis and negative antigenic selection in bcl-2 transgenic mice Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7003-7007.	7.1	161
131	Mechanisms of Autoimmunity in the Context of T-Cell Tolerance: Insights from Natural and Transgenic Animal Model Systems. Immunological Reviews, 1990, 118, 165-192.	6.0	19
132	T-Cell receptor and autoimmune disease. Immunologic Research, 1990, 9, 245-264.	2.9	4
133	Origin and selection of peripheral CD4â^'CD8â^' T cells bearing α/β T cell antigen receptors in autoimmunegld mice. European Journal of Immunology, 1990, 20, 723-730.	2.9	29
134	Inhibition of T cell developmemt in thymic organ culture: Implications for the mechanism of action of cyclosporin A. European Journal of Immunology, 1990, 20, 753-757.	2.9	10
135	Self-reactive T cells can escape clonal deletion in T-cell receptor V beta 8.1 transgenic mice Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7135-7139.	7.1	43
136	Molecular characterization of suppressor T cells. Transplantation Proceedings, 1988, 20, 1151-3.	0.6	8