

Tania H Watts

List of Publications by Year in descending order

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113
papers

8,954
citations

44042

48
h-index

42364

92
g-index

147
all docs

147
docs citations

147
times ranked

8305
citing authors

#	ARTICLE	IF	CITATIONS
1	TNF/TNFR FAMILY MEMBERS IN COSTIMULATION OF T CELL RESPONSES. Annual Review of Immunology, 2005, 23, 23-68.	9.5	1,204
2	The B7 family member B7-H3 preferentially down-regulates T helper type 1-mediated immune responses. Nature Immunology, 2003, 4, 899-906.	7.0	479
3	Dendritic cell-induced autoimmune heart failure requires cooperation between adaptive and innate immunity. Nature Medicine, 2003, 9, 1484-1490.	15.2	404
4	T cell co-stimulatory molecules other than CD28. Current Opinion in Immunology, 1999, 11, 286-293.	2.4	320
5	4-1BB Ligand Induces Cell Division, Sustains Survival, and Enhances Effector Function of CD4 and CD8 T Cells with Similar Efficacy. Journal of Immunology, 2001, 167, 1313-1324.	0.4	319
6	CD28-independent, TRAF2-dependent Costimulation of Resting T Cells by 4-1BB Ligand. Journal of Experimental Medicine, 1998, 187, 1849-1862.	4.2	289
7	Antigen presentation by supported planar membranes containing affinity-purified I-Ad.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 7564-7568.	3.3	275
8	Immune regulation by 4-1BB and 4-1BBL: complexities and challenges. Immunological Reviews, 2009, 229, 192-215.	2.8	267
9	Temporal Segregation of 4-1BB Versus CD28-Mediated Costimulation: 4-1BB Ligand Influences T Cell Numbers Late in the Primary Response and Regulates the Size of the T Cell Memory Response Following Influenza Infection. Journal of Immunology, 2002, 168, 3777-3785.	0.4	250
10	Insulin Receptor-Mediated Stimulation Boosts T Cell Immunity during Inflammation and Infection. Cell Metabolism, 2018, 28, 922-934.e4.	7.2	188
11	Constitutive aryl hydrocarbon receptor signaling constrains type I interferon-mediated antiviral innate defense. Nature Immunology, 2016, 17, 687-694.	7.0	182
12	T-cell-mediated association of peptide antigen and major histocompatibility complex protein detected by energy transfer in an evanescent wave-field. Nature, 1986, 320, 179-181.	13.7	176
13	4-1BB Ligand-Mediated Costimulation of Human T Cells Induces CD4 and CD8 T Cell Expansion, Cytokine Production, and the Development of Cytolytic Effector Function. Journal of Immunology, 2002, 168, 4897-4906.	0.4	173
14	4-1BB and OX40 Act Independently to Facilitate Robust CD8 and CD4 Recall Responses. Journal of Immunology, 2004, 173, 5944-5951.	0.4	146
15	ERK-Dependent Bim Modulation Downstream of the 4-1BB-TRAF1 Signaling Axis Is a Critical Mediator of CD8 T Cell Survival In Vivo. Journal of Immunology, 2008, 180, 8093-8101.	0.4	140
16	IL-15-Dependent Induction of 4-1BB Promotes Antigen-Independent CD8 Memory T Cell Survival. Journal of Immunology, 2006, 176, 2739-2748.	0.4	127
17	A Switch in Costimulation from CD28 to 4-1BB during Primary versus Secondary CD8 T Cell Response to Influenza In Vivo. Journal of Immunology, 2004, 172, 981-988.	0.4	117
18	Structure of polar pili from Pseudomonas aeruginosa strains K and O. Journal of Molecular Biology, 1981, 149, 79-93.	2.0	116

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19	Role of TNF Receptor-Associated Factor 2 and p38 Mitogen-Activated Protein Kinase Activation During 4-1BB-Dependent Immune Response. <i>Journal of Immunology</i> , 2000, 165, 6193-6204.	0.4	115
20	Costimulatory ligand 4-1BBL (CD137L) as an efficient adjuvant for human antiviral cytotoxic T cell responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1291-1296.	3.3	106
21	Spectral properties of three quaternary arrangements of <i>Pseudomonas</i> pilin. <i>Biochemistry</i> , 1983, 22, 3640-3646.	1.2	105
22	Cell surface 4-1BBL mediates sequential signaling pathways 'downstream' of TLR and is required for sustained TNF production in macrophages. <i>Nature Immunology</i> , 2007, 8, 601-609.	7.0	102
23	Biochemical studies on pili isolated from <i>Pseudomonas aeruginosa</i> strain PAO. <i>Canadian Journal of Microbiology</i> , 1979, 25, 1175-1181.	0.8	100
24	Cell intrinsic effects of GITR and 4-1BB during viral infection and cancer immunotherapy. <i>Immunological Reviews</i> , 2011, 244, 197-217.	2.8	100
25	Molecular chaperones in antigen presentation. <i>Current Opinion in Immunology</i> , 1995, 7, 77-84.	2.4	99
26	Opposing Roles for TRAF1 in the Alternative versus Classical NF- κ B Pathway in T Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 23010-23019.	1.6	97
27	Expression and function of 4-1BB during CD4 versus CD8 T cell responses in vivo. <i>European Journal of Immunology</i> , 2004, 34, 743-751.	1.6	94
28	CD8 T Cell-Intrinsic GITR Is Required for T Cell Clonal Expansion and Mouse Survival following Severe Influenza Infection. <i>Journal of Immunology</i> , 2010, 185, 7223-7234.	0.4	90
29	Role of T cell costimulation in anti-viral immunity. <i>Seminars in Immunology</i> , 2004, 16, 185-196.	2.7	86
30	Endogenous 4-1BB Ligand Plays a Critical Role in Protection from Influenza-Induced Disease. <i>Journal of Immunology</i> , 2009, 182, 934-947.	0.4	84
31	Role of ICOS versus CD28 in antiviral immunity. <i>European Journal of Immunology</i> , 2002, 32, 3376-3385.	1.6	82
32	Cell-specific and context-dependent effects of GITR in cancer, autoimmunity, and infection. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 91-106.	3.2	78
33	TNF family ligands define niches for T cell memory. <i>Trends in Immunology</i> , 2007, 28, 333-339.	2.9	77
34	The contextual role of TNFR family members in CD8 ⁺ T cell control of viral infections. <i>Immunological Reviews</i> , 2013, 255, 125-148.	2.8	77
35	Evaluation of OX40 Ligand as a Costimulator of Human Antiviral Memory CD8 T Cell Responses: Comparison with B7.1 and 4-1BBL. <i>Journal of Immunology</i> , 2005, 175, 6368-6377.	0.4	75
36	A critical role for TNF receptor-associated factor 1 and Bim down-regulation in CD8 memory T cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18703-18708.	3.3	74

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37	High-affinity fluorescent peptide binding to I-Ad in lipid membranes.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 9660-9664.	3.3	73
38	4-1BBL Induces TNF Receptor-Associated Factor 1-Dependent Bim Modulation in Human T Cells and Is a Critical Component in the Costimulation-Dependent Rescue of Functionally Impaired HIV-Specific CD8 T Cells. Journal of Immunology, 2007, 179, 8252-8263.	0.4	73
39	Generation and Characterization of B7-H4/B7S1/B7x-Deficient Mice. Molecular and Cellular Biology, 2006, 26, 6403-6411.	1.1	72
40	Structural compartmentalization of MHC class II signaling function. Trends in Immunology, 1993, 14, 539-546.	7.5	71
41	Costimulation of human CD28 T cells by 4-1BB ligand. European Journal of Immunology, 2003, 33, 446-454.	1.6	68
42	T-cell activation by peptide antigen: effect of peptide sequence and method of antigen presentation.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 5480-5484.	3.3	63
43	A novel cytotoxicity assay to evaluate antigen-specific CTL responses using a colorimetric substrate for Granzyme B. Journal of Immunological Methods, 2003, 276, 89-101.	0.6	62
44	Concomitant <i>PIK3CD</i> and <i>TNFRSF9</i> deficiencies cause chronic active Epstein-Barr virus infection of T cells. Journal of Experimental Medicine, 2019, 216, 2800-2818.	4.2	59
45	Loss of the signaling adaptor TRAF1 causes CD8+ T cell dysregulation during human and murine chronic infection. Journal of Experimental Medicine, 2012, 209, 77-91.	4.2	55
46	Genetic and functional association of the immune signaling molecule 4-1BB (CD137/TNFRSF9) with type 1 diabetes. Journal of Autoimmunity, 2005, 25, 13-20.	3.0	54
47	TRAF1 Signaling in Human Health and Disease. Frontiers in Immunology, 2018, 9, 2969.	2.2	53
48	The signaling adaptor TRAF1 negatively regulates Toll-like receptor signaling and this underlies its role in rheumatic disease. Nature Immunology, 2017, 18, 26-35.	7.0	52
49	Mapping of the antigenic determinants of <i>Pseudomonas aeruginosa</i> PAK polar pili. Infection and Immunity, 1983, 42, 113-121.	1.0	51
50	Enhancement of HIV-Specific CD8 T Cell Responses by Dual Costimulation with CD80 and CD137L. Journal of Immunology, 2005, 175, 6378-6389.	0.4	49
51	Intrinsic 4-1BB signals are indispensable for the establishment of an influenza-specific tissue-resident memory CD8 T-cell population in the lung. Mucosal Immunology, 2017, 10, 1294-1309.	2.7	49
52	Biophysical Aspects of Antigen Recognition by T Cells. Annual Review of Immunology, 1987, 5, 461-475.	9.5	47
53	Staying Alive: T Cell Costimulation, CD28, and Bcl-xL. Journal of Immunology, 2010, 185, 3785-3787.	0.4	43
54	IL-15-Dependent Upregulation of GITR on CD8 Memory Phenotype T Cells in the Bone Marrow Relative to Spleen and Lymph Node Suggests the Bone Marrow as a Site of Superior Bioavailability of IL-15. Journal of Immunology, 2012, 188, 5915-5923.	0.4	39

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55	Dissociation and characterization of pilin isolated from <i>Pseudomonas aeruginosa</i> strains PAK and PAO. <i>Canadian Journal of Biochemistry</i> , 1982, 60, 867-872.	1.4	38
56	Evaluating the Cellular Targets of Anti-4-1BB Agonist Antibody during Immunotherapy of a Pre-Established Tumor in Mice. <i>PLoS ONE</i> , 2010, 5, e11003.	1.1	38
57	Humoral and Cell-Mediated Immunity to Pandemic H1N1 Influenza in a Canadian Cohort One Year Post-Pandemic: Implications for Vaccination. <i>PLoS ONE</i> , 2011, 6, e28063.	1.1	38
58	GITR-Dependent Regulation of 4-1BB Expression: Implications for T Cell Memory and Anti-4-1BB-Induced Pathology. <i>Journal of Immunology</i> , 2013, 190, 4627-4639.	0.4	36
59	GITR Intrinsically Sustains Early Type 1 and Late Follicular Helper CD4 T Cell Accumulation to Control a Chronic Viral Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004517.	2.1	35
60	Influenza-Specific T Cells from Older People Are Enriched in the Late Effector Subset and Their Presence Inversely Correlates with Vaccine Response. <i>PLoS ONE</i> , 2011, 6, e23698.	1.1	34
61	4-1BBL Enhances Anti-tumor Responses in the Presence or Absence of CD28 but CD28 Is Required for Protective Immunity against Parental Tumors. <i>Cellular Immunology</i> , 2001, 210, 56-65.	1.4	32
62	Formation of 9-nm filaments from pilin monomers obtained by octyl-glucoside dissociation of <i>Pseudomonas aeruginosa</i> pili. <i>Journal of Bacteriology</i> , 1982, 151, 1508-1513.	1.0	32
63	Accelerated waning of immunity to SARS-CoV-2 mRNA vaccines in patients with immune-mediated inflammatory diseases. <i>JCI Insight</i> , 2022, 7, .	2.3	32
64	Induction of costimulatory molecules B7-1 and B7-2 in murine B cells: The CBAN mouse reveals a role for Bruton's tyrosine kinase in CD40-mediated B7 induction. <i>Molecular Immunology</i> , 1996, 33, 541-552.	1.0	31
65	Enhanced Immunogenicity of B Cell Lymphoma Genetically Engineered to Express Both B7-1 and Interleukin-12. <i>Human Gene Therapy</i> , 1997, 8, 2217-2228.	1.4	29
66	Overexpression of rab7 enhances the kinetics of antigen processing and presentation with MHC class II molecules in B cells. <i>International Immunology</i> , 2002, 14, 309-318.	1.8	28
67	LT β R signaling in dendritic cells induces a type I IFN response that is required for optimal clonal expansion of CD8 ⁺ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2046-2051.	3.3	28
68	Dichotomous Expression of TNF Superfamily Ligands on Antigen-Presenting Cells Controls Post-priming Anti-viral CD4 ⁺ T Cell Immunity. <i>Immunity</i> , 2017, 47, 943-958.e9.	6.6	28
69	Systematic Examination of Antigen-Specific Recall T Cell Responses to SARS-CoV-2 versus Influenza Virus Reveals a Distinct Inflammatory Profile. <i>Journal of Immunology</i> , 2021, 206, 37-50.	0.4	28
70	Immune Functions in Mice Lacking Clnk, an SLP-76-Related Adaptor Expressed in a Subset of Immune Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 6067-6075.	1.1	27
71	Evidence for invariant chain 85-101 (CLIP) binding in the antigen binding site of MHC class II molecules. <i>International Immunology</i> , 1995, 7, 1585-1591.	1.8	26
72	Cutting Edge: Profound Defect in T Cell Responses in TNF Receptor-Associated Factor 2 Dominant Negative Mice. <i>Journal of Immunology</i> , 2002, 169, 2828-2831.	0.4	26

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73	LIGHT is dispensable for CD4+ and CD8+ T cell and antibody responses to influenza A virus in mice. <i>International Immunology</i> , 2006, 18, 797-806.	1.8	26
74	Leukocyte-specific protein 1 links TNF receptor-associated factor 1 to survival signaling downstream of 4-1BB in T cells. <i>Journal of Leukocyte Biology</i> , 2013, 93, 713-721.	1.5	26
75	4-1BB Regulates Effector CD8 T Cell Accumulation in the Lung Tissue through a TRAF1-, mTOR-, and Antigen-Dependent Mechanism to Enhance Tissue-Resident Memory T Cell Formation during Respiratory Influenza Infection. <i>Journal of Immunology</i> , 2019, 202, 2482-2492.	0.4	26
76	Role for Inducible Costimulator in Control of Salmonella enterica Serovar Typhimurium Infection in Mice. <i>Infection and Immunity</i> , 2006, 74, 1050-1061.	1.0	25
77	Intrinsic TNF/TNFR2 Interactions Fine-Tune the CD8 T Cell Response to Respiratory Influenza Virus Infection in Mice. <i>PLoS ONE</i> , 2013, 8, e68911.	1.1	25
78	Cooperation between 4-1BB and ICOS in the Immune Response to Influenza Virus Revealed by Studies of CD28/ICOS-Deficient Mice. <i>Journal of Immunology</i> , 2005, 175, 7288-7296.	0.4	23
79	Costimulatory TNFR family members in control of viral infection: Outstanding questions. <i>Seminars in Immunology</i> , 2014, 26, 210-219.	2.7	23
80	Conformational changes in mouse MHC class II proteins at acidic pH. <i>International Immunology</i> , 1992, 4, 889-897.	1.8	22
81	The LIGHT and DARC sides of herpesvirus entry mediator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13365-13366.	3.3	22
82	Incorporation of 4-1BB ligand into an adenovirus vaccine vector increases the number of functional antigen-specific CD8 T cells and enhances the duration of protection against influenza-induced respiratory disease. <i>Vaccine</i> , 2011, 29, 6301-6312.	1.7	22
83	Anti-GITR Agonist Therapy Intrinsicly Enhances CD8 T Cell Responses to Chronic Lymphocytic Choriomeningitis Virus (LCMV), Thereby Circumventing LCMV-Induced Downregulation of Costimulatory GITR Ligand on APC. <i>Journal of Immunology</i> , 2014, 193, 5033-5043.	0.4	22
84	4-1BB (CD137) Differentially Regulates Murine In Vivo Protein- and Polysaccharide-Specific Immunoglobulin Isotype Responses to Streptococcus pneumoniae. <i>Infection and Immunity</i> , 2003, 71, 196-204.	1.0	21
85	GITRL on inflammatory antigen presenting cells in the lung parenchyma provides signal 4 for T-cell accumulation and tissue-resident memory T-cell formation. <i>Mucosal Immunology</i> , 2019, 12, 363-377.	2.7	19
86	Contribution of 4-1BB ^L on radioresistant cells in providing survival signals through 4-1BB ¹ expressed on CD ⁸ + memory T cells in the bone marrow. <i>European Journal of Immunology</i> , 2012, 42, 2861-2874.	1.6	18
87	Monocyte-Derived Cells in Tissue-Resident Memory T Cell Formation. <i>Journal of Immunology</i> , 2020, 204, 477-485.	0.4	18
88	T Cell ¹ Intrinsic CX3CR1 Marks the Most Differentiated Effector CD4+ T Cells, but Is Largely Dispensable for CD4+ T Cell Responses during Chronic Viral Infection. <i>ImmunoHorizons</i> , 2020, 4, 701-712.	0.8	16
89	4-1BB Enhances Proliferation of Beryllium-Specific T Cells in the Lung of Subjects with Chronic Beryllium Disease. <i>Journal of Immunology</i> , 2008, 181, 4381-4388.	0.4	14
90	Type I interferons drive the maturation of human DC3s with a distinct costimulatory profile characterized by high GITRL. <i>Science Immunology</i> , 2020, 5, .	5.6	14

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91	Editorial: TRAF Proteins in Health and Disease. <i>Frontiers in Immunology</i> , 2019, 10, 326.	2.2	13
92	Persistence of T Cell and Antibody Responses to SARS-CoV-2 Up to 9 Months after Symptom Onset. <i>Journal of Immunology</i> , 2022, 208, 429-443.	0.4	12
93	Maintaining the balance: Costimulatory TNFRs and control of HIV. <i>Cytokine and Growth Factor Reviews</i> , 2012, 23, 245-254.	3.2	11
94	The Human Immune System Recognizes Neopeptides Derived from Mitochondrial DNA Deletions. <i>Journal of Immunology</i> , 2014, 192, 4581-4591.	0.4	11
95	Irreversible splenic atrophy following chronic LCMV infection is associated with compromised immunity in mice. <i>European Journal of Immunology</i> , 2017, 47, 94-106.	1.6	11
96	Effect of IL-7 Therapy on Phospho-Ribosomal Protein S6 and TRAF1 Expression in HIV-Specific CD8 T Cells in Patients Receiving Antiretroviral Therapy. <i>Journal of Immunology</i> , 2018, 200, 558-564.	0.4	11
97	T Cell Intrinsic NOD2 Is Dispensable for CD8 T Cell Immunity. <i>PLoS ONE</i> , 2013, 8, e56014.	1.1	11
98	In vivo accumulation of T cells in response to IL-2/anti-IL-2 mAb complexes is dependent in part on the TNF family ligand 4-1BBL. <i>Immunology and Cell Biology</i> , 2012, 90, 743-747.	1.0	10
99	TNFRs and Control of Chronic LCMV Infection: Implications for Therapy. <i>Trends in Immunology</i> , 2015, 36, 697-708.	2.9	10
100	Constitutive interaction between 4-1BB and 4-1BBL on murine LPS-activated bone marrow dendritic cells masks detection of 4-1BBL by TKS-1 but not 19H3 antibody. <i>Journal of Immunological Methods</i> , 2017, 450, 81-89.	0.6	8
101	3-Methylcholanthrene Induces Chylous Ascites in TCDD-Inducible Poly-ADP-Ribose Polymerase (Tiparp) Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2312.	1.8	7
102	GITR differentially affects lung effector T cell subpopulations during influenza virus infection. <i>Journal of Leukocyte Biology</i> , 2020, 107, 953-970.	1.5	6
103	Role of 4-1BBL and TRAF1 in the CD8 T Cell Response to Influenza Virus and HIV. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 177-186.	0.8	6
104	Conserved and Differential Features of TNF Superfamily Ligand Expression on APC Subsets over the Course of a Chronic Viral Infection in Mice. <i>ImmunoHorizons</i> , 2018, 2, 407-417.	0.8	6
105	T Cell Costimulatory Molecules in Anti-Viral Immunity: Potential Role in Immunotherapeutic Vaccines. <i>Canadian Journal of Infectious Diseases & Medical Microbiology</i> , 2003, 14, 221-229.	0.3	5
106	Approaches to Studying Costimulation of Human Antiviral T Cell Responses: Prospects for Immunotherapeutic Vaccines. <i>Immunologic Research</i> , 2006, 35, 137-150.	1.3	5
107	Editorial: Bone Marrow T Cells at the Center Stage in Immunological Memory. <i>Frontiers in Immunology</i> , 2016, 7, 596.	2.2	5
108	CD30 Is Dispensable for T-Cell Responses to Influenza Virus and Lymphocytic Choriomeningitis Virus Clone 13 but Contributes to Age-Associated T-Cell Expansion in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 1156.	2.2	3

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109	Stepping up Th1 immunity to control phagosomal bacteria. Trends in Immunology, 2021, 42, 461-463.	2.9	3
110	Fc-Engineered Anti-4-1BB Antibodies Pack a One-Two Punch. Immunity, 2018, 49, 791-793.	6.6	2
111	The PKN1- TRAF1 signaling axis as a potential new target for chronic lymphocytic leukemia. OncoImmunology, 2021, 10, 1943234.	2.1	1
112	Antigen Presentation by Supported Planar Membranes Containing Purified Major Histocompatibility Complex Proteins. , 1988, , 143-155.		1
113	Critical requirement for 4â€1BBL for protection from severe but not mild respiratory Influenza A infection in mice. FASEB Journal, 2008, 22, 857.3.	0.2	0