

# Joan M Goverman

## List of Publications by Year in descending order

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60  
papers

8,158  
citations

76326

40  
h-index

128289

60  
g-index

89  
all docs

89  
docs citations

89  
times ranked

8296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoimmune T cell responses in the central nervous system. <i>Nature Reviews Immunology</i> , 2009, 9, 393-407.	22.7	849
2	Transgenic mice that express a myelin basic protein-specific T cell receptor develop spontaneous autoimmunity. <i>Cell</i> , 1993, 72, 551-560.	28.9	657
3	A Pathogenic Role for Myelin-Specific Cd8+ T Cells in a Model for Multiple Sclerosis. <i>Journal of Experimental Medicine</i> , 2001, 194, 669-676.	8.5	578
4	Differential regulation of central nervous system autoimmunity by TH1 and TH17 cells. <i>Nature Medicine</i> , 2008, 14, 337-342.	30.7	569
5	Cytokine networks in neuroinflammation. <i>Nature Reviews Immunology</i> , 2017, 17, 49-59.	22.7	479
6	Active induction of experimental allergic encephalomyelitis. <i>Nature Protocols</i> , 2006, 1, 1810-1819.	12.0	477
7	Mouse T cell antigen receptor: Structure and organization of constant and joining gene segments encoding the $\hat{I}^2$ polypeptide. <i>Cell</i> , 1984, 37, 1101-1110.	28.9	422
8	Oligodendrocyte precursor cells present antigen and are cytotoxic targets in inflammatory demyelination. <i>Nature Communications</i> , 2019, 10, 3887.	12.8	245
9	The T cell receptor $\hat{I}^2$ chain genes are located on chromosome 6 in mice and chromosome 7 in humans. <i>Cell</i> , 1984, 37, 1091-1099.	28.9	225
10	Predominant use of a $V\hat{I}^{\pm}$ gene segment in mouse T-cell receptors for cytochrome c. <i>Nature</i> , 1986, 324, 679-682.	27.8	214
11	Rearrangement and transcription of the $\hat{I}^2$ -chain genes of the T-cell antigen receptor in different types of murine lymphocytes. <i>Nature</i> , 1985, 313, 647-653.	27.8	183
12	Passive induction of experimental allergic encephalomyelitis. <i>Nature Protocols</i> , 2006, 1, 1952-1960.	12.0	177
13	Differential Tolerance Is Induced in T Cells Recognizing Distinct Epitopes of Myelin Basic Protein. <i>Immunity</i> , 1998, 8, 571-580.	14.3	170
14	Mechanisms regulating regional localization of inflammation during CNS autoimmunity. <i>Immunological Reviews</i> , 2012, 248, 205-215.	6.0	168
15	Modeling the heterogeneity of multiple sclerosis in animals. <i>Trends in Immunology</i> , 2013, 34, 410-422.	6.8	161
16	In Situ Tolerance within the Central Nervous System as a Mechanism for Preventing Autoimmunity. <i>Journal of Experimental Medicine</i> , 2000, 192, 871-880.	8.5	157
17	Gene transfer of H-2 class II genes: Antigen presentation by mouse fibroblast and hamster B-cell lines. <i>Cell</i> , 1984, 36, 319-327.	28.9	139
18	Viral infection triggers central nervous system autoimmunity via activation of CD8+ T cells expressing dual TCRs. <i>Nature Immunology</i> , 2010, 11, 628-634.	14.5	137

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19	Rearranged $\hat{I}^2$ t cell receptor genes in a helper t cell clone specific for lysozyme: No correlation between $\hat{V}^2$ and MHC restriction. <i>Cell</i> , 1985, 40, 859-867.	28.9	128
20	A speculative view of the multicomponent nature of T cell antigen recognition. <i>Cell</i> , 1986, 45, 475-484.	28.9	117
21	Rag-1-dependent cells are necessary for 1,25-dihydroxyvitamin D3 prevention of experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2001, 119, 16-29.	2.3	105
22	Retinoic Acid Enhances the T Helper 2 Cell Development That Is Essential for Robust Antibody Responses through Its Action on Antigen-Presenting Cells. <i>Journal of Nutrition</i> , 2002, 132, 3736-3739.	2.9	101
23	MHC class II-restricted myelin epitopes are cross-presented by Tip-DCs that promote determinant spreading to CD8+ T cells. <i>Nature Immunology</i> , 2013, 14, 254-261.	14.5	101
24	Age-Dependent T Cell Tolerance and Autoimmunity to Myelin Basic Protein. <i>Immunity</i> , 2001, 14, 471-481.	14.3	93
25	Cytokine-Regulated Neutrophil Recruitment Is Required for Brain but Not Spinal Cord Inflammation during Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2014, 193, 555-563.	0.8	93
26	Chimeric immunoglobulin-T cell receptor proteins form functional receptors: Implications for T cell receptor complex formation and activation. <i>Cell</i> , 1990, 60, 929-939.	28.9	91
27	A Molecular Map of T Cell Development. <i>Immunity</i> , 1998, 9, 179-186.	14.3	86
28	Immune tolerance in multiple sclerosis. <i>Immunological Reviews</i> , 2011, 241, 228-240.	6.0	85
29	Speaking out about gender imbalance in invited speakers improves diversity. <i>Nature Immunology</i> , 2017, 18, 475-478.	14.5	81
30	The contribution of neutrophils to CNS autoimmunity. <i>Clinical Immunology</i> , 2018, 189, 23-28.	3.2	80
31	B Cells Promote Induction of Experimental Autoimmune Encephalomyelitis by Facilitating Reactivation of T Cells in the Central Nervous System. <i>Journal of Immunology</i> , 2014, 192, 929-939.	0.8	78
32	CD8+ T cells maintain tolerance to myelin basic protein by 'epitope theft'. <i>Nature Immunology</i> , 2004, 5, 606-614.	14.5	69
33	The Role of CD8+ T Cells in Multiple Sclerosis and its Animal Models. <i>Inflammation and Allergy: Drug Targets</i> , 2005, 4, 239-245.	3.1	68
34	Myelin-specific CD8+ T cells exacerbate brain inflammation in CNS autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 130, 203-213.	8.2	65
35	Pathogenic T cell cytokines in multiple sclerosis. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	63
36	The Influence of T Cell Ig Mucin-3 Signaling on Central Nervous System Autoimmune Disease Is Determined by the Effector Function of the Pathogenic T Cells. <i>Journal of Immunology</i> , 2013, 190, 4991-4999.	0.8	60

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37	An immunoglobulin promoter region is unaltered by DNA rearrangement and somatic mutation during B-cell development. <i>Nucleic Acids Research</i> , 1982, 10, 7731-7749.	14.5	56
38	Competition Between Two MHC Binding Registers in a Single Peptide Processed from Myelin Basic Protein Influences Tolerance and Susceptibility to Autoimmunity. <i>Journal of Experimental Medicine</i> , 2003, 197, 1391-1397.	8.5	47
39	Tolerance and autoimmunity in TCR transgenic mice specific for myelin basic protein. <i>Immunological Reviews</i> , 1999, 169, 147-159.	6.0	46
40	A Molecular Marker for Thymocyte-Positive Selection: Selection of CD4 Single-Positive Thymocytes with Shorter TCRB CDR3 During T Cell Development. <i>Journal of Immunology</i> , 2002, 168, 3801-3807.	0.8	41
41	GM-CSF is not essential for experimental autoimmune encephalomyelitis but promotes brain-targeted disease. <i>JCI Insight</i> , 2017, 2, e92362.	5.0	36
42	Experimental Autoimmune Encephalomyelitis Mediated by CD8+ T Cells. <i>Annals of the New York Academy of Sciences</i> , 2007, 1103, 157-166.	3.8	34
43	Osteopontin-induced survival of T cells. <i>Nature Immunology</i> , 2007, 8, 19-20.	14.5	28
44	Immune Tolerance to Myelin Proteins. <i>Immunologic Research</i> , 2003, 28, 201-222.	2.9	27
45	Endogenous Myelin Basic Protein Is Presented in the Periphery by Both Dendritic Cells and Resting B Cells with Different Functional Consequences. <i>Journal of Immunology</i> , 2006, 177, 2097-2106.	0.8	26
46	Regulatory T Cells Maintain Long-Term Tolerance to Myelin Basic Protein by Inducing a Novel, Dynamic State of T Cell Tolerance. <i>Journal of Immunology</i> , 2007, 178, 887-896.	0.8	26
47	Thymic stromal organization is regulated by the specificity of T cell receptor/major histocompatibility complex interactions. <i>European Journal of Immunology</i> , 1997, 27, 136-146.	2.9	25
48	TCR signaling regulates thymic organization: lessons from TCR-transgenic mice. <i>Trends in Immunology</i> , 1997, 18, 204-208.	7.5	23
49	Tolerating the Nervous System. <i>Journal of Experimental Medicine</i> , 2000, 191, 757-760.	8.5	22
50	Crosspresentation by nonhematopoietic and direct presentation by hematopoietic cells induce central tolerance to myelin basic protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14040-14045.	7.1	22
51	A New Twist in TCR Diversity Revealed by a Forbidden $\hat{1}\hat{2}$ TCR. <i>Journal of Molecular Biology</i> , 2008, 375, 1306-1319.	4.2	21
52	Separately expressed T cell receptor $\hat{1}\hat{1}$ and $\hat{1}\hat{2}$ chain transgenes exert opposite effects on T cell differentiation and neoplastic transformation. <i>European Journal of Immunology</i> , 1997, 27, 3039-3048.	2.9	19
53	Distinct T cell signatures define subsets of patients with multiple sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e278.	6.0	19
54	Rapid Depletion of Peripheral Antigen-Specific T Cells in TCR-Transgenic Mice After Oral Administration of Myelin Basic Protein. <i>Journal of Immunology</i> , 2001, 166, 5773-5781.	0.8	18

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55	Novel Insights and Therapeutics in Multiple Sclerosis. F1000Research, 2015, 4, 517.	1.6	17
56	Regulatory T Cells in Multiple Sclerosis. New England Journal of Medicine, 2021, 384, 578-580.	27.0	12
57	Model genomes: The benefits of analysing homologous human and mouse sequences. Trends in Biotechnology, 1992, 10, 19-22.	9.3	10
58	Differences Between Two Strains of Myelin Basic Protein (MBP) TCR Transgenic Mice: Implications for Tolerance Induction. Journal of Autoimmunity, 2002, 18, 27-37.	6.5	4
59	Separation of disulfide-bonded polypeptides using two-dimensional diagonal gel electrophoresis. Methods, 1991, 3, 125-127.	3.8	3
60	Oral Tolerance in Myelin Basic Protein TCR Transgenic Mice. Annals of the New York Academy of Sciences, 1996, 778, 412-413.	3.8	2