

Byung S Kim

List of Publications by Year in descending order

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172457
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docs citations

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#	ARTICLE	IF	CITATIONS
1	Persistent infection with Theiler's virus leads to CNS autoimmunity via epitope spreading. <i>Nature Medicine</i> , 1997, 3, 1133-1136.	30.7	548
2	Potassium Transport Loci in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 1971, 108, 639-644.	2.2	405
3	The murine T-cell receptor uses a limited repertoire of expressed V β 2 gene segments. <i>Nature</i> , 1985, 316, 517-523.	27.8	294
4	Th17 cells enhance viral persistence and inhibit T cell cytotoxicity in a model of chronic virus infection. <i>Journal of Experimental Medicine</i> , 2009, 206, 313-328.	8.5	208
5	Class I-deficient resistant mice intracerebrally inoculated with Theiler's virus show an increased T cell response to viral antigens and susceptibility to demyelination. <i>European Journal of Immunology</i> , 1993, 23, 2287-2293.	2.9	123
6	Interleukin-6 (IL-6) and IL-17 Synergistically Promote Viral Persistence by Inhibiting Cellular Apoptosis and Cytotoxic T Cell Function. <i>Journal of Virology</i> , 2014, 88, 8479-8489.	3.4	120
7	Two models of multiple sclerosis: Experimental allergic encephalomyelitis (EAE) and theiler's murine encephalomyelitis virus (TMEV) infection. A pathological and immunological comparison. <i>Microscopy Research and Technique</i> , 1995, 32, 215-229.	2.2	98
8	Theiler's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelination: A Model for Human Multiple Sclerosis. <i>Methods</i> , 1996, 10, 453-461.	3.8	88
9	Infection with Theiler's Murine Encephalomyelitis Virus Directly Induces Proinflammatory Cytokines in Primary Astrocytes via NF- κ B Activation: Potential Role for the Initiation of Demyelinating Disease. <i>Journal of Virology</i> , 2003, 77, 6322-6331.	3.4	86
10	Induction of chemokine and cytokine genes in astrocytes following infection with Theiler's murine encephalomyelitis virus is mediated by the Toll-like receptor 3. <i>Glia</i> , 2006, 53, 858-867.	4.9	86
11	Virus expanded regulatory T cells control disease severity in the Theiler's virus mouse model of MS. <i>Journal of Autoimmunity</i> , 2011, 36, 142-154.	6.5	59
12	Induction of selected chemokines in glial cells infected with Theiler's virus. <i>Journal of Neuroimmunology</i> , 2001, 117, 166-170.	2.3	56
13	The Majority of Infiltrating CD8+ T Cells in the Central Nervous System of Susceptible SJL/J Mice Infected with Theiler's Virus Are Virus Specific and Fully Functional. <i>Journal of Virology</i> , 2002, 76, 6577-6585.	3.4	56
14	Role of Individual T-Cell Epitopes of Theiler's Virus in the Pathogenesis of Demyelination Correlates with the Ability To Induce a Th1 Response. <i>Journal of Virology</i> , 1998, 72, 6169-6174.	3.4	54
15	CD8-deficient SJL mice display enhanced susceptibility to Theiler's virus infection and increased demyelinating pathology. <i>Journal of NeuroVirology</i> , 2001, 7, 409-420.	2.1	52
16	IL-1 signal affects both protection and pathogenesis of virus-induced chronic CNS demyelinating disease. <i>Journal of Neuroinflammation</i> , 2012, 9, 217.	7.2	51
17	Quantitative, not qualitative, differences in CD8+ T cell responses to Theiler's murine encephalomyelitis virus between resistant C57BL/6 and susceptible SJL/J mice. <i>European Journal of Immunology</i> , 2004, 34, 2730-2739.	2.9	47
18	The scope and activation mechanisms of chemokine gene expression in primary astrocytes following infection with Theiler's virus. <i>Journal of Neuroimmunology</i> , 2004, 149, 121-129.	2.3	45

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19	Induction of chemokines in human astrocytes by picornavirus infection requires activation of both AP-1 and NF- κ B. <i>Glia</i> , 2004, 45, 287-296.	4.9	45
20	Differential Virus Replication, Cytokine Production, and Antigen-Presenting Function by Microglia from Susceptible and Resistant Mice Infected with Theiler's Virus. <i>Journal of Virology</i> , 2007, 81, 11690-11702.	3.4	45
21	Theiler's virus infection induces TLR3-dependent upregulation of TLR2 critical for proinflammatory cytokine production. <i>Glia</i> , 2009, 57, 1216-1226.	4.9	39
22	Capsid-Specific Cytotoxic T Lymphocytes Recognize Three Distinct H-2D b -Restricted Regions of the BeAn Strain of Theiler's Virus and Exhibit Different Cytokine Profiles. <i>Journal of Virology</i> , 2002, 76, 3125-3134.	3.4	38
23	Melanoma Differentiation-Associated Gene 5 Is Critical for Protection against Theiler's Virus-Induced Demyelinating Disease. <i>Journal of Virology</i> , 2012, 86, 1531-1543.	3.4	36
24	Pathogenesis of Virus-Induced Immune-Mediated Demyelination. <i>Immunologic Research</i> , 2001, 24, 121-130.	2.9	35
25	Preferential Induction of IL-10 in APC Correlates with a Switch from Th1 to Th2 Response Following Infection with a Low Pathogenic Variant of Theiler's Virus. <i>Journal of Immunology</i> , 2002, 168, 4221-4230.	0.8	34
26	The Role of Interleukin-6 in the Expression of PD-1 and PDL-1 on Central Nervous System Cells following Infection with Theiler's Murine Encephalomyelitis Virus. <i>Journal of Virology</i> , 2013, 87, 11538-11551.	3.4	34
27	Constraints in antigen processing result in unresponsiveness to a T cell epitope of hen egg lysozyme in C57BL/6 mice. <i>European Journal of Immunology</i> , 1992, 22, 775-782.	2.9	33
28	Enhanced susceptibility to Theiler's virus-induced demyelinating disease in perforin-deficient mice. <i>Journal of Neuroimmunology</i> , 2001, 116, 125-135.	2.3	32
29	Gender Bias in Theiler's Virus-Induced Demyelinating Disease Correlates with the Level of Antiviral Immune Responses. <i>Journal of Immunology</i> , 2005, 175, 3955-3963.	0.8	32
30	Initial capsid-specific CD4+ T cell responses protect against Theiler's murine encephalomyelitisvirus-induced demyelinating disease. <i>European Journal of Immunology</i> , 2006, 36, 2106-2115.	2.9	32
31	Role of Dendritic Cells in Differential Susceptibility to Viral Demyelinating Disease. <i>PLoS Pathogens</i> , 2007, 3, e124.	4.7	29
32	Identification and localization of a limited number of predominant conformation-independent antibody epitopes of Theiler's murine encephalomyelitis virus. <i>Immunology Letters</i> , 1992, 31, 199-205.	2.5	28
33	Differences in Avidity and Epitope Recognition of CD8+ T Cells Infiltrating the Central Nervous Systems of SJL/J Mice Infected with BeAn and DA Strains of Theiler's Murine Encephalomyelitis Virus. <i>Journal of Virology</i> , 2002, 76, 11780-11784.	3.4	28
34	TLR3 signaling is either protective or pathogenic for the development of Theiler's virus-induced demyelinating disease depending on the time of viral infection. <i>Journal of Neuroinflammation</i> , 2011, 8, 178.	7.2	28
35	Detection of restricted predominant epitopes of Theiler's murine encephalomyelitis virus capsid proteins expressed in the β 2-microglobulin system: differential patterns of antibody reactivity among different mouse strains. <i>Journal of Neuroimmunology</i> , 1990, 27, 173-186.	2.3	26
36	Effect of immunization with Theiler's virus on the course of demyelinating disease. <i>Journal of Neuroimmunology</i> , 1993, 45, 67-73.	2.3	26

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37	Innate Immune Response Induced by Theiler's Murine Encephalomyelitis Virus Infection. <i>Immunologic Research</i> , 2005, 31, 01-12.	2.9	25
38	Expression and Potential Role of Inducible Nitric Oxide Synthase in the Central Nervous System of Theiler's Murine Encephalomyelitis Virus-Induced Demyelinating Disease. <i>Cellular Immunology</i> , 1999, 194, 186-193.	3.0	24
39	Clonal Expansion of Infiltrating T Cells in the Spinal Cords of SJL/J Mice Infected with Theiler's Virus. <i>Journal of Immunology</i> , 2000, 165, 583-590.	0.8	24
40	Castration of male C57L/J mice increases susceptibility and estrogen treatment restores resistance to Theiler's virus-induced demyelinating disease. <i>Journal of Neuroscience Research</i> , 2007, 85, 871-881.	2.9	23
41	Anticapsid Immunity Level, Not Viral Persistence Level, Correlates with the Progression of Theiler's Virus-Induced Demyelinating Disease in Viral P1-Transgenic Mice. <i>Journal of Virology</i> , 2008, 82, 5606-5617.	3.4	23
42	Analysis of T cell reactivities to phosphorylcholine-conjugated hen egg lysozyme in C57BL/6 mice: hapten-conjugate specificity reflects an altered expression of a major carrier epitope. <i>European Journal of Immunology</i> , 1991, 21, 1303-1310.	2.9	22
43	Theiler's Virus Infection Induces a Predominant Pathogenic CD4 ⁺ T Cell Response to RNA Polymerase in Susceptible SJL/J Mice. <i>Journal of Virology</i> , 2009, 83, 10981-10992.	3.4	22
44	Ameliorating effects of anti-Dll4 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>International Immunology</i> , 2010, 22, 729-738.	4.0	22
45	Replication of Theiler's virus requires NF- κ B activation: Higher viral replication and spreading in astrocytes from susceptible mice. <i>Glia</i> , 2008, 56, 942-953.	4.9	21
46	Antibody response is required for protection from Theiler's virus-induced encephalitis in C57BL/6 mice in the absence of CD8 ⁺ T cells. <i>Virology</i> , 2005, 340, 84-94.	2.4	19
47	The immunodominant CD8 ⁺ T cell epitope region of Theiler's virus in resistant C57BL/6 mice is critical for anti-viral immune responses, viral persistence, and binding to the host cells. <i>Virology</i> , 2007, 360, 159-171.	2.4	19
48	Type I interferon signals control Theiler's virus infection site, cellular infiltration and T cell stimulation in the CNS. <i>Journal of Neuroimmunology</i> , 2010, 226, 27-37.	2.3	19
49	Differential Outcome of Tolerance Induction in Naive versus Activated Theiler's Virus Epitope-Specific CD8 ⁺ Cytotoxic T Cells. <i>Journal of Virology</i> , 2007, 81, 6584-6593.	3.4	17
50	Identification of capsid epitopes of Theiler's virus recognized by CNS-infiltrating CD4 ⁺ T cells from virus-infected C57BL/6 mice. <i>Virus Research</i> , 2005, 108, 57-61.	2.2	15
51	Preferential Induction of Protective T Cell Responses to Theiler's Virus in Resistant (C57BL/6 x SJL)F1 Mice. <i>Journal of Virology</i> , 2011, 85, 3033-3040.	3.4	14
52	Epitope-Specific CD8 ⁺ T Cells Play a Differential Pathogenic Role in the Development of a Viral Disease Model for Multiple Sclerosis. <i>Journal of Virology</i> , 2012, 86, 13717-13728.	3.4	14
53	The Level of Viral Infection of Antigen-Presenting Cells Correlates with the Level of Development of Theiler's Murine Encephalomyelitis Virus-Induced Demyelinating Disease. <i>Journal of Virology</i> , 2015, 89, 1867-1878.	3.4	14
54	The lack of compensatory increases of cells producing anti-phosphorylcholine antibodies bearing other idiotypes in TEPC-15 idiotype-suppressed inbred and outbred mice. <i>European Journal of Immunology</i> , 1980, 10, 171-175.	2.9	13

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55	Functional maturation of proteolipid protein139â€™151-specific Th1 cells in the central nervous system in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2004, 155, 127-135.	2.3	12
56	Role of the Programmed Death-1 (PD-1) pathway in regulation of Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Journal of Neuroimmunology</i> , 2014, 274, 78-85.	2.3	12
57	Prostaglandin E2 produced following infection with Theiler's virus promotes the pathogenesis of demyelinating disease. <i>PLoS ONE</i> , 2017, 12, e0176406.	2.5	11
58	Therapeutic effects of anti-Delta1 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Journal of Neuroimmunology</i> , 2012, 252, 66-74.	2.3	10
59	Dimethyl fumarate suppresses Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease by modifying the Nrf2-Keap1 pathway. <i>International Immunology</i> , 2015, 27, 333-344.	4.0	10
60	Infection and Activation of B Cells by Theilerâ€™s Murine Encephalomyelitis Virus (TMEV) Leads to Autoantibody Production in an Infectious Model of Multiple Sclerosis. <i>Cells</i> , 2020, 9, 1787.	4.1	10
61	Therapeutic effect of anti-Î±v integrin mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Journal of Neuroimmunology</i> , 2014, 268, 25-34.	2.3	9
62	Pathogenic Immunity in Theilerâ€™s Virus-Induced Demyelinating Disease: A Viral Model for Multiple Sclerosis. , 2001, , 83-94.		8
63	Effects of anti-CD70 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Brain Research</i> , 2010, 1317, 236-245.	2.2	7
64	Isolation of CNS-infiltrating and Resident Microglial Cells. <i>Bio-protocol</i> , 2015, 5, .	0.4	7
65	Oral administration of live virus protects susceptible mice from developing Theiler's virus-induced demyelinating disease. <i>Virology</i> , 2007, 366, 185-196.	2.4	6
66	Predominant Clonal Accumulation of CD8⁺T Cells with Moderate Avidity in the Central Nervous Systems of Theiler's Virus-Infected C57BL/6 Mice. <i>Journal of Virology</i> , 2010, 84, 2774-2786.	3.4	6
67	The TIM-3 pathway ameliorates Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease. <i>International Immunology</i> , 2014, 26, 369-381.	4.0	6
68	Effects of Keratinocyte-Derived Cytokine (CXCL-1) on the Development of Theiler's Virus-Induced Demyelinating Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 9.	3.9	6
69	Excessive Innate Immunity Steers Pathogenic Adaptive Immunity in the Development of Theilerâ€™s Virus-Induced Demyelinating Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5254.	4.1	6
70	Endothelin-1 contributes to the development of virus-induced demyelinating disease. <i>Journal of Neuroinflammation</i> , 2020, 17, 307.	7.2	5
71	Transgenic expression of non-structural genes of Theilerâ€™s virus suppresses initial viral replication and pathogenesis of demyelination. <i>Journal of Neuroinflammation</i> , 2016, 13, 133.	7.2	4
72	The role of Î±4 integrin in Theilerâ€™s murine encephalomyelitis virus (TMEV)-induced demyelinating disease: an infectious animal model for multiple sclerosis (MS). <i>International Immunology</i> , 2016, 28, 575-584.	4.0	4

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73	Rapid Expansion of Virus-Specific CD4+ T Cell Types in the CNS of Susceptible Mice Infected with Theiler's Virus. International Journal of Molecular Sciences, 2020, 21, 7719.	4.1	4
74	Effects of the major histocompatibility complex loci and T-cell receptor beta-chain repertoire on Theiler's virus-induced demyelinating disease. Journal of Neuroscience Research, 2005, 81, 846-856.	2.9	3
75	Cytokines, Chemokines and Adhesion Molecules in TMEV-IDD. , 2005, , 659-671.		2
76	Role of type I interferon in the Theiler's virus-induced encephalitis, cellular infiltration to the CNS and function of immune cells. FASEB Journal, 2008, 22, 856.17.	0.5	0
77	A Spontaneous Low-Pathogenic Variant of Theiler's Virus Contains an Amino Acid Substitution within the Predominant VP1 ₂₃₃₋₂₅₀ T-Cell Epitope. Journal of Virology, 1998, 72, 6965-6965.	3.4	0