

Byung S Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Excessive Innate Immunity Steers Pathogenic Adaptive Immunity in the Development of Theiler's Virus-Induced Demyelinating Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5254.	1.8	6
2	Infection and Activation of B Cells by Theiler's Murine Encephalomyelitis Virus (TMEV) Leads to Autoantibody Production in an Infectious Model of Multiple Sclerosis. <i>Cells</i> , 2020, 9, 1787.	1.8	10
3	Endothelin-1 contributes to the development of virus-induced demyelinating disease. <i>Journal of Neuroinflammation</i> , 2020, 17, 307.	3.1	5
4	Rapid Expansion of Virus-Specific CD4 ⁺ T Cell Types in the CNS of Susceptible Mice Infected with Theiler's Virus. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7719.	1.8	4
5	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.	1.8	6
6	Prostaglandin E2 produced following infection with Theiler's virus promotes the pathogenesis of demyelinating disease. <i>PLoS ONE</i> , 2017, 12, e0176406.	1.1	11
7	Transgenic expression of non-structural genes of Theiler's virus suppresses initial viral replication and pathogenesis of demyelination. <i>Journal of Neuroinflammation</i> , 2016, 13, 133.	3.1	4
8	The role of $\alpha 4$ integrin in Theiler's murine encephalomyelitis virus (TMEV)-induced demyelinating disease: an infectious animal model for multiple sclerosis (MS). <i>International Immunology</i> , 2016, 28, 575-584.	1.8	4
9	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.	1.5	14
10	Dimethyl fumarate suppresses Theiler's murine encephalomyelitis virus-induced demyelinating disease by modifying the Nrf2-Keap1 pathway. <i>International Immunology</i> , 2015, 27, 333-344.	1.8	10
11	Isolation of CNS-infiltrating and Resident Microglial Cells. <i>Bio-protocol</i> , 2015, 5, .	0.2	7
12	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.	1.5	120
13	The TIM-3 pathway ameliorates Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>International Immunology</i> , 2014, 26, 369-381.	1.8	6
14	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.	1.1	12
15	Therapeutic effect of anti- $\alpha 4$ integrin mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Journal of Neuroimmunology</i> , 2014, 268, 25-34.	1.1	9
16	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.	1.5	34
17	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.	1.5	14
18	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.	1.5	36

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19	IL-1 signal affects both protection and pathogenesis of virus-induced chronic CNS demyelinating disease. <i>Journal of Neuroinflammation</i> , 2012, 9, 217.	3.1	51
20	Therapeutic effects of anti-Delta1 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Journal of Neuroimmunology</i> , 2012, 252, 66-74.	1.1	10
21	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.	3.0	59
22	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.	3.1	28
23	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.	1.5	14
24	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.	1.1	19
25	Effects of anti-CD70 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>Brain Research</i> , 2010, 1317, 236-245.	1.1	7
26	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.	1.5	6
27	Ameliorating effects of anti-Dll4 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. <i>International Immunology</i> , 2010, 22, 729-738.	1.8	22
28	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.	1.5	22
29	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.	4.2	208
30	Theiler's virus infection induces TLR3-dependent upregulation of TLR2 critical for proinflammatory cytokine production. <i>Glia</i> , 2009, 57, 1216-1226.	2.5	39
31	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.	2.5	21
32	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.	1.5	23
33	Role of type I interferon in the Theiler's virus-induced encephalitis, cellular infiltration to the CNS and function of immune cells. <i>FASEB Journal</i> , 2008, 22, 856.17.	0.2	0
34	Role of Dendritic Cells in Differential Susceptibility to Viral Demyelinating Disease. <i>PLoS Pathogens</i> , 2007, 3, e124.	2.1	29
35	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.	1.5	17
36	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.	1.5	45

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37	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.	1.3	23
38	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.	1.1	19
39	Oral administration of live virus protects susceptible mice from developing Theiler's virus-induced demyelinating disease. <i>Virology</i> , 2007, 366, 185-196.	1.1	6
40	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.	1.6	32
41	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.	2.5	86
42	Innate Immune Response Induced by Theiler's Murine Encephalomyelitis Virus Infection. <i>Immunologic Research</i> , 2005, 31, 01-12.	1.3	25
43	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.	1.1	19
44	Effects of the major histocompatibility complex loci and T-cell receptor beta-chain repertoire on Theiler's virus-induced demyelinating disease. <i>Journal of Neuroscience Research</i> , 2005, 81, 846-856.	1.3	3
45	Cytokines, Chemokines and Adhesion Molecules in TMEV-IDD. , 2005, , 659-671.		2
46	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.	0.4	32
47	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.	1.1	15
48	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.	1.1	45
49	Functional maturation of proteolipid protein139-151-specific Th1 cells in the central nervous system in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2004, 155, 127-135.	1.1	12
50	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.	1.6	47
51	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.	2.5	45
52	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.	1.5	86
53	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.	1.5	38
54	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.	0.4	34

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55	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.	1.5	56
56	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.	1.5	28
57	Pathogenesis of Virus-Induced Immune-Mediated Demyelination. <i>Immunologic Research</i> , 2001, 24, 121-130.	1.3	35
58	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.	1.0	52
59	Enhanced susceptibility to Theiler's virus-induced demyelinating disease in perforin-deficient mice. <i>Journal of Neuroimmunology</i> , 2001, 116, 125-135.	1.1	32
60	Induction of selected chemokines in glial cells infected with Theiler's virus. <i>Journal of Neuroimmunology</i> , 2001, 117, 166-170.	1.1	56
61	Pathogenic Immunity in Theiler's Virus-Induced Demyelinating Disease: A Viral Model for Multiple Sclerosis. , 2001, , 83-94.		8
62	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.	0.4	24
63	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.	1.4	24
64	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.	1.5	54
65	A Spontaneous Low-Pathogenic Variant of Theiler's Virus Contains an Amino Acid Substitution within the Predominant VP1 ₂₃₃₋₂₅₀ T-Cell Epitope. <i>Journal of Virology</i> , 1998, 72, 6965-6965.	1.5	0
66	Persistent infection with Theiler's virus leads to CNS autoimmunity via epitope spreading. <i>Nature Medicine</i> , 1997, 3, 1133-1136.	15.2	548
67	Theiler's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelination: A Model for Human Multiple Sclerosis. <i>Methods</i> , 1996, 10, 453-461.	1.9	88
68	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.	1.2	98
69	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.	1.6	123
70	Effect of immunization with Theiler's virus on the course of demyelinating disease. <i>Journal of Neuroimmunology</i> , 1993, 45, 67-73.	1.1	26
71	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.	1.1	28
72	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.	1.6	33

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73	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. European Journal of Immunology, 1991, 21, 1303-1310.	1.6	22
74	Detection of restricted predominant epitopes of Theiler's murine encephalomyelitis virus capsid proteins expressed in the I α gt11 system: differential patterns of antibody reactivity among different mouse strains. Journal of Neuroimmunology, 1990, 27, 173-186.	1.1	26
75	The murine T-cell receptor uses a limited repertoire of expressed V β 2 gene segments. Nature, 1985, 316, 517-523.	13.7	294
76	The lack of compensatory increases of cells producing anti-phosphorylcholine antibodies bearing other idiotypes in TEPC-15 idiotypic-suppressed inbred and outbred mice. European Journal of Immunology, 1980, 10, 171-175.	1.6	13
77	Potassium Transport Loci in <i>Escherichia coli</i> K-12. Journal of Bacteriology, 1971, 108, 639-644.	1.0	405