Byung S Kim

List of Publications by Year
in descending order

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77 papers	3,574 citations	172457 29 h-index	138484 58 g-index
77 all docs	77 docs citations	77 times ranked	2374 citing authors

#	Article	IF	Citations
1	Excessive Innate Immunity Steers Pathogenic Adaptive Immunity in the Development of Theilerâ€™s Virus-Induced Demyelinating Disease. International Journal of Molecular Sciences, 2021, 22, 5254.	4.1	6
2	Infection and Activation of B Cells by Theilerâ€™s Murine Encephalomyelitis Virus (TMEV) Leads to Autoantibody Production in an Infectious Model of Multiple Sclerosis. Cells, 2020, 9, 1787.	4.1	10
3	Endothelin-1 contributes to the development of virus-induced demyelinating disease. Journal of Neuroinflammation, 2020, 17, 307.	7.2	5
4	Rapid Expansion of Virus-Specific CD4+ T Cell Types in the CNS of Susceptible Mice Infected with Theilerâ€™s Virus. International Journal of Molecular Sciences, 2020, 21, 7719.	4.1	4
5	Effects of Keratinocyte-Derived Cytokine (CXCL-1) on the Development of Theiler's Virus-Induced Demyelinating Disease. Frontiers in Cellular and Infection Microbiology, 2018, 8, 9.	3.9	6
6	Prostaglandin E2 produced following infection with Theiler's virus promotes the pathogenesis of demyelinating disease. PLoS ONE, 2017, 12, e0176406.	2.5	11
7	Transgenic expression of non-structural genes of Theilerâ€™s virus suppresses initial viral replication and pathogenesis of demyelination. Journal of Neuroinflammation, 2016, 13, 133.	7.2	4
8	The role of Î±4 integrin in Theilerâ€™s murine encephalomyelitis virus (TMEV)-induced demyelinating disease: an infectious animal model for multiple sclerosis (MS). International Immunology, 2016, 28, 575-584.	4.0	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. Journal of Virology, 2015, 89, 1867-1878.	3.4	14
10	Dimethyl fumarate suppresses Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease by modifying the Nrf2-Keap1 pathway. International Immunology, 2015, 27, 333-344.	4.0	10
11	Isolation of CNS-infiltrating and Resident Microglial Cells. Bio-protocol, 2015, 5, .	0.4	7
12	Interleukin-6 (IL-6) and IL-17 Synergistically Promote Viral Persistence by Inhibiting Cellular Apoptosis and Cytotoxic T Cell Function. Journal of Virology, 2014, 88, 8479-8489.	3.4	120
13	The TIM-3 pathway ameliorates Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease. International Immunology, 2014, 26, 369-381.	4.0	6
14	Role of the Programmed Death-1 (PD-1) pathway in regulation of Theiler's murine encephalomyelitis virus-induced demyelinating disease. Journal of Neuroimmunology, 2014, 274, 78-85.	2.3	12
15	Therapeutic effect of anti-Î±v integrin mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. Journal of Neuroimmunology, 2014, 268, 25-34.	2.3	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. Journal of Virology, 2013, 87, 11538-11551.	3.4	34
17	Epitope-Specific CD8⁺T Cells Play a Differential Pathogenic Role in the Development of a Viral Disease Model for Multiple Sclerosis. Journal of Virology, 2012, 86, 13717-13728.	3.4	14
18	Melanoma Differentiation-Associated Gene 5 Is Critical for Protection against Theiler's Virus-Induced Demyelinating Disease. Journal of Virology, 2012, 86, 1531-1543.	3.4	36

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19	IL-1 signal affects both protection and pathogenesis of virus-induced chronic CNS demyelinating disease. Journal of Neuroinflammation, 2012, 9, 217.	7.2	51
20	Therapeutic effects of anti-Delta1 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. Journal of Neuroimmunology, 2012, 252, 66-74.	2.3	10
21	Virus expanded regulatory T cells control disease severity in the Theilerâ€™s virus mouse model of MS. Journal of Autoimmunity, 2011, 36, 142-154.	6.5	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. Journal of Neuroinflammation, 2011, 8, 178.	7.2	28
23	Preferential Induction of Protective T Cell Responses to Theiler's Virus in Resistant (C57BL/6 x SJL)F1 Mice. Journal of Virology, 2011, 85, 3033-3040.	3.4	14
24	Type I interferon signals control Theiler's virus infection site, cellular infiltration and T cell stimulation in the CNS. Journal of Neuroimmunology, 2010, 226, 27-37.	2.3	19
25	Effects of anti-CD70 mAb on Theiler's murine encephalomyelitis virus-induced demyelinaiting disease. Brain Research, 2010, 1317, 236-245.	2.2	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. Journal of Virology, 2010, 84, 2774-2786.	3.4	6
27	Ameliorating effects of anti-Dll4 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. International Immunology, 2010, 22, 729-738.	4.0	22
28	Theiler's Virus Infection Induces a Predominant Pathogenic CD4⁺T Cell Response to RNA Polymerase in Susceptible SJL/J Mice. Journal of Virology, 2009, 83, 10981-10992.	3.4	22
29	Th17 cells enhance viral persistence and inhibit T cell cytotoxicity in a model of chronic virus infection. Journal of Experimental Medicine, 2009, 206, 313-328.	8.5	208
30	Theiler's virus infection induces TLR3â€dependent upregulation of TLR2 critical for proinflammatory cytokine production. Glia, 2009, 57, 1216-1226.	4.9	39
31	Replication of Theiler's virus requires NFâ€ºBâ€activation: Higher viral replication and spreading in astrocytes from susceptible mice. Glia, 2008, 56, 942-953.	4.9	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. Journal of Virology, 2008, 82, 5606-5617.	3.4	23
33	Role of type I interferon in the Theiler's virusâ€induced encephalitis, cellular infiltration to the CNS and function of immune cells. FASEB Journal, 2008, 22, 856.17.	0.5	0
34	Role of Dendritic Cells in Differential Susceptibility to Viral Demyelinating Disease. PLoS Pathogens, 2007, 3, e124.	4.7	29
35	Differential Outcome of Tolerance Induction in Naive versus Activated Theiler's Virus Epitope-Specific CD8 + Cytotoxic T Cells. Journal of Virology, 2007, 81, 6584-6593.	3.4	17
36	Differential Virus Replication, Cytokine Production, and Antigen-Presenting Function by Microglia from Susceptible and Resistant Mice Infected with Theiler's Virus. Journal of Virology, 2007, 81, 11690-11702.	3.4	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. Journal of Neuroscience Research, 2007, 85, 871-881.	2.9	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. Virology, 2007, 360, 159-171.	2.4	19
39	Oral administration of live virus protects susceptible mice from developing Theiler's virus-induced demyelinating disease. Virology, 2007, 366, 185-196.	2.4	6
40	Initial capsid-specific CD4+ T cell responses protect against Theiler's murine encephalomyelitisvirus-induced demyelinating disease. European Journal of Immunology, 2006, 36, 2106-2115.	2.9	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. Glia, 2006, 53, 858-867.	4.9	86
42	Innate Immune Response Induced by Theiler's Murine Encephalomyelitis Virus Infection. Immunologic Research, 2005, 31, 01-12.	2.9	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. Virology, 2005, 340, 84-94.	2.4	19
44	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
45	Cytokines, Chemokines and Adhesion Molecules in TMEV-IDD. , 2005, , 659-671.		2
46	Gender Bias in Theilerâ€™s Virus-Induced Demyelinating Disease Correlates with the Level of Antiviral Immune Responses. Journal of Immunology, 2005, 175, 3955-3963.	0.8	32
47	Identification of capsid epitopes of Theiler's virus recognized by CNS-infiltrating CD4+ T cells from virus-infected C57BL/6 mice. Virus Research, 2005, 108, 57-61.	2.2	15
48	The scope and activation mechanisms of chemokine gene expression in primary astrocytes following infection with Theiler's virus. Journal of Neuroimmunology, 2004, 149, 121-129.	2.3	45
49	Functional maturation of proteolipid protein139â€“151-specific Th1 cells in the central nervous system in experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2004, 155, 127-135.	2.3	12
50	Quantitative, not qualitative, differences in CD8+ Tâ€„cell responses to Theiler's murine encephalomyelitis virus between resistant C57BL/6 and susceptible SJL/J mice. European Journal of Immunology, 2004, 34, 2730-2739.	2.9	47
51	Induction of chemokines in human astrocytes by picornavirus infection requires activation of both AP-1 and NF-?B. Glia, 2004, 45, 287-296.	4.9	45
52	Infection with Theiler's Murine Encephalomyelitis Virus Directly Induces Proinflammatory Cytokines in Primary Astrocytes via NF-ÎºB Activation: Potential Role for the Initiation of Demyelinating Disease. Journal of Virology, 2003, 77, 6322-6331.	3.4	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. Journal of Virology, 2002, 76, 3125-3134.	3.4	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 Theilerâ€™s Virus. Journal of Immunology, 2002, 168, 4221-4230.	0.8	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. Journal of Virology, 2002, 76, 6577-6585.	3.4	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. Journal of Virology, 2002, 76, 11780-11784.	3.4	28
57	Pathogenesis of Virus-Induced Immune-Mediated Demyelination. Immunologic Research, 2001, 24, 121-130.	2.9	35
58	CD8-deficient SJL mice display enhanced susceptibility to Theiler's virus infection and increased demyelinating pathology. Journal of NeuroVirology, 2001, 7, 409-420.	2.1	52
59	Enhanced susceptibility to Theiler's virus-induced demyelinating disease in perforin-deficient mice. Journal of Neuroimmunology, 2001, 116, 125-135.	2.3	32
60	Induction of selected chemokines in glial cells infected with Theiler's virus. Journal of Neuroimmunology, 2001, 117, 166-170.	2.3	56
61	Pathogenic Immunity in Theilerâ€™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 Theilerâ€™s Virus. Journal of Immunology, 2000, 165, 583-590.	0.8	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. Cellular Immunology, 1999, 194, 186-193.	3.0	24
64	Role of Individual T-Cell Epitopes of Theilerâ€™s Virus in the Pathogenesis of Demyelination Correlates with the Ability To Induce a Th1 Response. Journal of Virology, 1998, 72, 6169-6174.	3.4	54
65	A Spontaneous Low-Pathogenic Variant of Theilerâ€™s Virus Contains an Amino Acid Substitution within the Predominant VP1 _{233â€“250} T-Cell Epitope. Journal of Virology, 1998, 72, 6965-6965.	3.4	0
66	Persistent infection with Theiler's virus leads to CNS autoimmunity via epitope spreading. Nature Medicine, 1997, 3, 1133-1136.	30.7	548
67	Theiler's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelination: A Model for Human Multiple Sclerosis. Methods, 1996, 10, 453-461.	3.8	88
68	Two models of multiple sclerosis: Experimental allergic encephalomyelitis (EAE) and theiler's murine encephalomyelitis virus (TMEV) infection. A pathological and immunological comparison. Microscopy Research and Technique, 1995, 32, 215-229.	2.2	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. European Journal of Immunology, 1993, 23, 2287-2293.	2.9	123
70	Effect of immunization with Theiler's virus on the course of demyelinating disease. Journal of Neuroimmunology, 1993, 45, 67-73.	2.3	26
71	Identification and localization of a limited number of predominant conformation-independent antibody epitopes of Theiler's murine encephalomyelitus virus. Immunology Letters, 1992, 31, 199-205.	2.5	28
72	Constraints in antigen processing result in unresponsiveness to a T cell epitope of hen egg lysozyme in C57BL/6 mice. European Journal of Immunology, 1992, 22, 775-782.	2.9	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.	2.9	22
74	Detection of restricted predominant epitopes of Theiler's murine encephalomyelitis virus capsid proteins expressed in the Î»gt11 system: differential patterns of antibody reactivity among different mouse strains. Journal of Neuroimmunology, 1990, 27, 173-186.	2.3	26
75	The murine T-cell receptor uses a limited repertoire of expressed VÎ² gene segments. Nature, 1985, 316, 517-523.	27.8	294
76	The lack of compensatory increases of cells producing anti-phosphorylcholine antibodies bearing other idiotypes in TEPC-15 idiotype-suppressed inbred and outbred mice. European Journal of Immunology, 1980, 10, 171-175.	2.9	13
77	Potassium Transport Loci in Escherichia coli K-12. Journal of Bacteriology, 1971, 108, 639-644.	2.2	405