# Byung S Kim

List of Publications by Year
in descending order

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| 77 | 3,574 | 172207 | 138251 |
|---|---|---|---|
| papers | citations | 29 h-index | 58 g-index |

| 77 | 77 | 77 | 2374 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Persistent infection with Theiler's virus leads to CNS autoimmunity via epitope spreading. Nature Medicine, 1997, 3, 1133-1136. | 15.2 | 548 |
| 2 | Potassium Transport Loci in Escherichia coli K-12. Journal of Bacteriology, 1971, 108, 639-644. | 1.0 | 405 |
| 3 | The murine T-cell receptor uses a limited repertoire of expressed VÎ² gene segments. Nature, 1985, 316, 517-523. | 13.7 | 294 |
| 4 | 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. | 4.2 | 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. European Journal of Immunology, 1993, 23, 2287-2293. | 1.6 | 123 |
| 6 | 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. | 1.5 | 120 |
| 7 | 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. | 1.2 | 98 |
| 8 | Theiler's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelination: A Model for Human Multiple Sclerosis. Methods, 1996, 10, 453-461. | 1.9 | 88 |
| 9 | 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. | 1.5 | 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. Glia, 2006, 53, 858-867. | 2.5 | 86 |
| 11 | Virus expanded regulatory T cells control disease severity in the Theilerâ€™s virus mouse model of MS. Journal of Autoimmunity, 2011, 36, 142-154. | 3.0 | 59 |
| 12 | Induction of selected chemokines in glial cells infected with Theiler's virus. Journal of Neuroimmunology, 2001, 117, 166-170. | 1.1 | 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. Journal of Virology, 2002, 76, 6577-6585. | 1.5 | 56 |
| 14 | 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. | 1.5 | 54 |
| 15 | CD8-deficient SJL mice display enhanced susceptibility to Theiler's virus infection and increased demyelinating pathology. Journal of NeuroVirology, 2001, 7, 409-420. | 1.0 | 52 |
| 16 | IL-1 signal affects both protection and pathogenesis of virus-induced chronic CNS demyelinating disease. Journal of Neuroinflammation, 2012, 9, 217. | 3.1 | 51 |
| 17 | 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. | 1.6 | 47 |
| 18 | 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. | 1.1 | 45 |

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|---|---|---|---|
| 19 | Induction of chemokines in human astrocytes by picornavirus infection requires activation of both AP-1 and NF-?B. Glia, 2004, 45, 287-296. | 2.5 | 45 |
| 20 | 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. | 1.5 | 45 |
| 21 | Theiler's virus infection induces TLR3â€dependent upregulation of TLR2 critical for proinflammatory cytokine production. Glia, 2009, 57, 1216-1226. | 2.5 | 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. Journal of Virology, 2002, 76, 3125-3134. | 1.5 | 38 |
| 23 | Melanoma Differentiation-Associated Gene 5 Is Critical for Protection against Theiler's Virus-Induced Demyelinating Disease. Journal of Virology, 2012, 86, 1531-1543. | 1.5 | 36 |
| 24 | Pathogenesis of Virus-Induced Immune-Mediated Demyelination. Immunologic Research, 2001, 24, 121-130. | 1.3 | 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 Theilerâ€™s Virus. Journal of Immunology, 2002, 168, 4221-4230. | 0.4 | 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. Journal of Virology, 2013, 87, 11538-11551. | 1.5 | 34 |
| 27 | 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. | 1.6 | 33 |
| 28 | Enhanced susceptibility to Theiler's virus-induced demyelinating disease in perforin-deficient mice. Journal of Neuroimmunology, 2001, 116, 125-135. | 1.1 | 32 |
| 29 | Gender Bias in Theilerâ€™s Virus-Induced Demyelinating Disease Correlates with the Level of Antiviral Immune Responses. Journal of Immunology, 2005, 175, 3955-3963. | 0.4 | 32 |
| 30 | Initial capsid-specific CD4+ T cell responses protect against Theiler's murine encephalomyelitisvirus-induced demyelinating disease. European Journal of Immunology, 2006, 36, 2106-2115. | 1.6 | 32 |
| 31 | Role of Dendritic Cells in Differential Susceptibility to Viral Demyelinating Disease. PLoS Pathogens, 2007, 3, e124. | 2.1 | 29 |
| 32 | 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. | 1.1 | 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. Journal of Virology, 2002, 76, 11780-11784. | 1.5 | 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. Journal of Neuroinflammation, 2011, 8, 178. | 3.1 | 28 |
| 35 | 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. | 1.1 | 26 |
| 36 | Effect of immunization with Theiler's virus on the course of demyelinating disease. Journal of Neuroimmunology, 1993, 45, 67-73. | 1.1 | 26 |

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| 37 | Innate Immune Response Induced by Theiler's Murine Encephalomyelitis Virus Infection. Immunologic Research, 2005, 31, 01-12. | 1.3 | 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. Cellular Immunology, 1999, 194, 186-193. | 1.4 | 24 |
| 39 | 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. | 0.4 | 24 |
| 40 | 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. | 1.3 | 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. Journal of Virology, 2008, 82, 5606-5617. | 1.5 | 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. European Journal of Immunology, 1991, 21, 1303-1310. | 1.6 | 22 |
| 43 | Theiler's Virus Infection Induces a Predominant Pathogenic CD4<sup>+</sup>T Cell Response to RNA Polymerase in Susceptible SJL/J Mice. Journal of Virology, 2009, 83, 10981-10992. | 1.5 | 22 |
| 44 | Ameliorating effects of anti-Dll4 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. International Immunology, 2010, 22, 729-738. | 1.8 | 22 |
| 45 | Replication of Theiler's virus requires NFâ€ºBâ€activation: Higher viral replication and spreading in astrocytes from susceptible mice. Glia, 2008, 56, 942-953. | 2.5 | 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. Virology, 2005, 340, 84-94. | 1.1 | 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. Virology, 2007, 360, 159-171. | 1.1 | 19 |
| 48 | 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. | 1.1 | 19 |
| 49 | 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. | 1.5 | 17 |
| 50 | 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. | 1.1 | 15 |
| 51 | 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. | 1.5 | 14 |
| 52 | Epitope-Specific CD8<sup>+</sup>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. | 1.5 | 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. Journal of Virology, 2015, 89, 1867-1878. | 1.5 | 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. European Journal of Immunology, 1980, 10, 171-175. | 1.6 | 13 |

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|---|---|---|---|
| 55 | 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. | 1.1 | 12 |
| 56 | 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. | 1.1 | 12 |
| 57 | Prostaglandin E2 produced following infection with Theiler's virus promotes the pathogenesis of demyelinating disease. PLoS ONE, 2017, 12, e0176406. | 1.1 | 11 |
| 58 | Therapeutic effects of anti-Delta1 mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. Journal of Neuroimmunology, 2012, 252, 66-74. | 1.1 | 10 |
| 59 | Dimethyl fumarate suppresses Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease by modifying the Nrf2-Keap1 pathway. International Immunology, 2015, 27, 333-344. | 1.8 | 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. Cells, 2020, 9, 1787. | 1.8 | 10 |
| 61 | Therapeutic effect of anti-Î±v integrin mAb on Theiler's murine encephalomyelitis virus-induced demyelinating disease. Journal of Neuroimmunology, 2014, 268, 25-34. | 1.1 | 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 demyelinaiting disease. Brain Research, 2010, 1317, 236-245. | 1.1 | 7 |
| 64 | Isolation of CNS-infiltrating and Resident Microglial Cells. Bio-protocol, 2015, 5, . | 0.2 | 7 |
| 65 | Oral administration of live virus protects susceptible mice from developing Theiler's virus-induced demyelinating disease. Virology, 2007, 366, 185-196. | 1.1 | 6 |
| 66 | Predominant Clonal Accumulation of CD8<sup>+</sup>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. | 1.5 | 6 |
| 67 | The TIM-3 pathway ameliorates Theilerâ€™s murine encephalomyelitis virus-induced demyelinating disease. International Immunology, 2014, 26, 369-381. | 1.8 | 6 |
| 68 | 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. | 1.8 | 6 |
| 69 | 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. | 1.8 | 6 |
| 70 | Endothelin-1 contributes to the development of virus-induced demyelinating disease. Journal of Neuroinflammation, 2020, 17, 307. | 3.1 | 5 |
| 71 | Transgenic expression of non-structural genes of Theilerâ€™s virus suppresses initial viral replication and pathogenesis of demyelination. Journal of Neuroinflammation, 2016, 13, 133. | 3.1 | 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). International Immunology, 2016, 28, 575-584. | 1.8 | 4 |

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| 73 | 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. | 1.8 | 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. | 1.3 | 3 |
| 75 | Cytokines, Chemokines and Adhesion Molecules in TMEV-IDD. , 2005, , 659-671. | | 2 |
| 76 | 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. | 0.2 | 0 |
| 77 | A Spontaneous Low-Pathogenic Variant of Theilerâ€™s Virus Contains an Amino Acid Substitution within the Predominant VP1 <sub>233â€“250</sub> T-Cell Epitope. Journal of Virology, 1998, 72, 6965-6965. | 1.5 | 0 |