

Heung Kyu Lee

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

9,080
citations

136950

32
h-index

76900

74
g-index

81
all docs

81
docs citations

81
times ranked

18157
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation Directs Memory Precursor and Short-Lived Effector CD8+ T Cell Fates via the Graded Expression of T-bet Transcription Factor. <i>Immunity</i> , 2007, 27, 281-295.	14.3	1,542
2	Autophagy-Dependent Viral Recognition by Plasmacytoid Dendritic Cells. <i>Science</i> , 2007, 315, 1398-1401.	12.6	802
3	Distinct Macrophage Phenotypes Contribute to Kidney Injury and Repair. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 317-326.	6.1	718
4	Immunophenotyping of COVID-19 and influenza highlights the role of type I interferons in development of severe COVID-19. <i>Science Immunology</i> , 2020, 5, .	11.9	689
5	Hassall's corpuscles instruct dendritic cells to induce CD4+CD25+ regulatory T cells in human thymus. <i>Nature</i> , 2005, 436, 1181-1185.	27.8	682
6	Inflammasome recognition of influenza virus is essential for adaptive immune responses. <i>Journal of Experimental Medicine</i> , 2009, 206, 79-87.	8.5	605
7	Absence of autophagy results in reactive oxygen species-dependent amplification of RLR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2770-2775.	7.1	501
8	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. <i>Immunity</i> , 2010, 32, 227-239.	14.3	425
9	The autophagy gene <i>ATG5</i> plays an essential role in B lymphocyte development. <i>Autophagy</i> , 2008, 4, 309-314.	9.1	314
10	Reconstruction of LPS Transfer Cascade Reveals Structural Determinants within LBP, CD14, and TLR4-MD2 for Efficient LPS Recognition and Transfer. <i>Immunity</i> , 2017, 46, 38-50.	14.3	274
11	Innate control of adaptive immunity: Dendritic cells and beyond. <i>Seminars in Immunology</i> , 2007, 19, 48-55.	5.6	148
12	Differential roles of migratory and resident DCs in T cell priming after mucosal or skin HSV-1 infection. <i>Journal of Experimental Medicine</i> , 2009, 206, 359-370.	8.5	137
13	T cell-intrinsic role of IL-6 signaling in primary and memory responses. <i>ELife</i> , 2014, 3, e01949.	6.0	135
14	Defective mitochondrial fission augments NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2015, 5, 15489.	3.3	125
15	Reduced oxidative capacity in macrophages results in systemic insulin resistance. <i>Nature Communications</i> , 2018, 9, 1551.	12.8	114
16	Signaling through the Adaptor Molecule MyD88 in CD4+ T Cells Is Required to Overcome Suppression by Regulatory T Cells. <i>Immunity</i> , 2014, 40, 78-90.	14.3	100
17	Autophagy and antiviral immunity. <i>Current Opinion in Immunology</i> , 2008, 20, 23-29.	5.5	95
18	Function of $\gamma\delta$ T cells in tumor immunology and their application to cancer therapy. <i>Experimental and Molecular Medicine</i> , 2021, 53, 318-327.	7.7	95

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19	Re-analysis of Single Cell Transcriptome Reveals That the NR3C1-CXCL8-Neutrophil Axis Determines the Severity of COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 2145.	4.8	84
20	Tumor hypoxia represses γ T cell-mediated antitumor immunity against brain tumors. <i>Nature Immunology</i> , 2021, 22, 336-346.	14.5	70
21	Pattern Recognition Receptors and Autophagy. <i>Frontiers in Immunology</i> , 2014, 5, 300.	4.8	65
22	Dysbiosis-induced IL-33 contributes to impaired antiviral immunity in the genital mucosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E762-71.	7.1	64
23	Adjuvant effect of bacterial outer membrane vesicles with penta-acylated lipopolysaccharide on antigen-specific T cell priming. <i>Vaccine</i> , 2011, 29, 8293-8301.	3.8	61
24	Autophagy protein ATG5 regulates CD36 expression and anti-tumor MHC class II antigen presentation in dendritic cells. <i>Autophagy</i> , 2019, 15, 2091-2106.	9.1	61
25	<i>Faecalibaculum rodentium</i> gen. nov., sp. nov., isolated from the faeces of a laboratory mouse. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 1309-1318.	1.7	57
26	Immunosuppressive effects of tautomycin in vivo and in vitro via T cell-specific apoptosis induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10617-10622.	7.1	56
27	Differential Roles of Lung Dendritic Cell Subsets Against Respiratory Virus Infection. <i>Immune Network</i> , 2014, 14, 128.	3.6	56
28	Potential Role of the Gut Microbiome In Colorectal Cancer Progression. <i>Frontiers in Immunology</i> , 2021, 12, 807648.	4.8	56
29	Growth Differentiation Factor 15 Mediates Systemic Glucose Regulatory Action of T-Helper Type 2 Cytokines. <i>Diabetes</i> , 2017, 66, 2774-2788.	0.6	54
30	The Role of Skin and Orogenital Microbiota in Protective Immunity and Chronic Immune-Mediated Inflammatory Disease. <i>Frontiers in Immunology</i> , 2017, 8, 1955.	4.8	44
31	Innate immune recognition of respiratory syncytial virus infection. <i>BMB Reports</i> , 2014, 47, 184-191.	2.4	43
32	Delivery Routes for COVID-19 Vaccines. <i>Vaccines</i> , 2021, 9, 524.	4.4	37
33	Sox7 promotes high-grade glioma by increasing VEGFR2-mediated vascular abnormality. <i>Journal of Experimental Medicine</i> , 2018, 215, 963-983.	8.5	36
34	TAK1 regulates autophagic cell death by suppressing the phosphorylation of p70 S6 kinase 1. <i>Scientific Reports</i> , 2013, 3, 1561.	3.3	35
35	The role of dendritic cells in tumor microenvironments and their uses as therapeutic targets. <i>BMB Reports</i> , 2021, 54, 31-43.	2.4	33
36	Clusterin Modulates Allergic Airway Inflammation by Attenuating CCL20-Mediated Dendritic Cell Recruitment. <i>Journal of Immunology</i> , 2016, 196, 2021-2030.	0.8	30

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37	<i>Vibrio vulnificus</i> quorum-sensing molecule cyclo(Phe-Pro) inhibits RIG-I-mediated antiviral innate immunity. <i>Nature Communications</i> , 2018, 9, 1606.	12.8	30
38	The autophagy Protein <i>Atg5</i> Plays a Crucial Role in the Maintenance and Reconstitution Ability of Hematopoietic Stem Cells. <i>Immune Network</i> , 2019, 19, e12.	3.6	30
39	Host Protective Immune Responses against Influenza A Virus Infection. <i>Viruses</i> , 2020, 12, 504.	3.3	29
40	Current Understanding of the Innate Control of Toll-like Receptors in Response to SARS-CoV-2 Infection. <i>Viruses</i> , 2021, 13, 2132.	3.3	29
41	Intratumoral depletion of regulatory T cells using CD25-targeted photodynamic therapy in a mouse melanoma model induces antitumoral immune responses. <i>Oncotarget</i> , 2017, 8, 47440-47453.	1.8	28
42	Transient Depletion of CD169+ Cells Contributes to Impaired Early Protection and Effector CD8+ T Cell Recruitment against Mucosal Respiratory Syncytial Virus Infection. <i>Frontiers in Immunology</i> , 2017, 8, 819.	4.8	28
43	Current Understanding of Hypoxia in Glioblastoma Multiforme and Its Response to Immunotherapy. <i>Cancers</i> , 2022, 14, 1176.	3.7	28
44	Sustained Type I Interferon Reinforces NK Cell-Mediated Cancer Immunosurveillance during Chronic Virus Infection. <i>Cancer Immunology Research</i> , 2019, 7, 584-599.	3.4	27
45	Modulation of Pathogen Recognition by Autophagy. <i>Frontiers in Immunology</i> , 2012, 3, 44.	4.8	24
46	Cell-Penetrating Mx1 Enhances Anti-Viral Resistance against Mucosal Influenza Viral Infection. <i>Viruses</i> , 2019, 11, 109.	3.3	24
47	The Role of CD4+ T Cells and Microbiota in the Pathogenesis of Asthma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11822.	4.1	23
48	Qualitatively differential regulation of T cell activation and apoptosis by T cell receptor ζ chain ITAMs and their tyrosine residues. <i>International Immunology</i> , 2004, 16, 1225-1236.	4.0	22
49	The essential role of FKBP38 in regulating phosphatase of regenerating liver 3 (PRL-3) protein stability. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 305-309.	2.1	20
50	OASL1 deficiency promotes antiviral protection against genital herpes simplex virus type 2 infection by enhancing type I interferon production. <i>Scientific Reports</i> , 2016, 6, 19089.	3.3	20
51	Plasmacytoid Dendritic Cells Contribute to the Production of IFN- β via TLR7-MyD88-Dependent Pathway and CTL Priming during Respiratory Syncytial Virus Infection. <i>Viruses</i> , 2019, 11, 730.	3.3	20
52	Single mucosal vaccination targeting nucleoprotein provides broad protection against two lineages of influenza B virus. <i>Antiviral Research</i> , 2019, 163, 19-28.	4.1	20
53	Autophagy as an Innate Immune Modulator. <i>Immune Network</i> , 2013, 13, 1.	3.6	19
54	Host and Microbiome Interplay Shapes the Vaginal Microenvironment. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	19

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55	Autophagic protein ATG5 controls antiviral immunity via glycolytic reprogramming of dendritic cells against respiratory syncytial virus infection. <i>Autophagy</i> , 2021, 17, 2111-2127.	9.1	17
56	Contribution of Dendritic Cells in Protective Immunity against Respiratory Syncytial Virus Infection. <i>Viruses</i> , 2020, 12, 102.	3.3	16
57	Caspase-1 Independent Viral Clearance and Adaptive Immunity Against Mucosal Respiratory Syncytial Virus Infection. <i>Immune Network</i> , 2015, 15, 73.	3.6	15
58	Autophagy in Innate Recognition of Pathogens and Adaptive Immunity. <i>Yonsei Medical Journal</i> , 2012, 53, 241.	2.2	14
59	Exogenous Interleukin-33 Contributes to Protective Immunity via Cytotoxic T-Cell Priming against Mucosal Influenza Viral Infection. <i>Viruses</i> , 2019, 11, 840.	3.3	12
60	Tautomycetin as a novel immunosuppressant in transplantation. <i>Transplantation Proceedings</i> , 2003, 35, 547.	0.6	11
61	A mechanism for the induction of type 2 immune responses by a protease allergen in the genital tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1188-E1195.	7.1	11
62	Vaccines against Genital Herpes: Where Are We?. <i>Vaccines</i> , 2020, 8, 420.	4.4	11
63	Multivalent DNA vaccine protects against genital herpes by T-cell immune induction in vaginal mucosa. <i>Antiviral Research</i> , 2020, 177, 104755.	4.1	11
64	Single Cell Transcriptomic Re-analysis of Immune Cells in Bronchoalveolar Lavage Fluids Reveals the Correlation of B Cell Characteristics and Disease Severity of Patients with SARS-CoV-2 Infection. <i>Immune Network</i> , 2021, 21, e10.	3.6	11
65	Differential Role of Anti-Viral Sensing Pathway for the Production of Type I Interferon \hat{I}^2 in Dendritic Cells and Macrophages Against Respiratory Syncytial Virus A2 Strain Infection. <i>Viruses</i> , 2019, 11, 62.	3.3	10
66	The Role of Gut Microbiota in Modulating Tumor Growth and Anticancer Agent Efficacy. <i>Molecules and Cells</i> , 2021, 44, 356-362.	2.6	10
67	The Role of Autophagy in the Function of CD4+ T Cells and the Development of Chronic Inflammatory Diseases. <i>Frontiers in Pharmacology</i> , 2022, 13, 860146.	3.5	9
68	\hat{I}^1 T Cells in Brain Homeostasis and Diseases. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	8
69	Flagellin-Stimulated Production of Interferon- \hat{I}^2 Promotes Anti-Flagellin IgG2c and IgA Responses. <i>Molecules and Cells</i> , 2020, 43, 251-263.	2.6	7
70	Dendritic Cell-Based Immunotherapy in Hot and Cold Tumors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7325.	4.1	7
71	Interactions between Host Immunity and Skin-Colonizing Staphylococci: No Two Siblings Are Alike. <i>International Journal of Molecular Sciences</i> , 2019, 20, 718.	4.1	5
72	12th International Dendritic Cell Symposium, October 7-11, 2012; Daegu, Korea. <i>Oncolmmunology</i> , 2013, 2, e23245.	4.6	4

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73	Monocytes Contribute to IFN- \hat{I}^2 Production via the MyD88-Dependent Pathway and Cytotoxic T-Cell Responses against Mucosal Respiratory Syncytial Virus Infection. <i>Immune Network</i> , 2021, 21, e27.	3.6	4
74	Qualitative and quantitative differences in the intensity of Fas-mediated intracellular signals determine life and death in T cells. <i>International Journal of Hematology</i> , 2010, 92, 262-270.	1.6	2
75	Abstract PO013: The mechanism of $\hat{I}^3\hat{I}$ T cell-mediated antitumor immunity in Glioblastoma multiforme., 2021, , .		0
76	Immune Networks in Health and Disease. <i>Molecules and Cells</i> , 2021, 44, 279-280.	2.6	0
77	In vivo requirement for autophagy in antigen presentation by dendritic cells. <i>FASEB Journal</i> , 2008, 22, 1068.13.	0.5	0
78	Abstract A141: Intratumoral depletion of regulatory T-cells using CD25-targeted photodynamic therapy induces antitumoral immune responses. , 2019, , .		0