

Young-Min Hyun

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,491
citations

257450

24
h-index

206112

48
g-index

59
all docs

59
docs citations

59
times ranked

4261
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil trails guide influenza-specific CD8 ⁺ T cells in the airways. <i>Science</i> , 2015, 349, aaa4352.	12.6	328
2	Inflammation-induced interstitial migration of effector CD4 ⁺ T cells is dependent on integrin β 1V. <i>Nature Immunology</i> , 2013, 14, 949-958.	14.5	162
3	Migration of neutrophils targeting amyloid plaques in Alzheimer's disease mouse model. <i>Neurobiology of Aging</i> , 2014, 35, 1286-1292.	3.1	146
4	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. <i>Journal of Experimental Medicine</i> , 2008, 205, 195-205.	8.5	133
5	Uropod elongation is a common final step in leukocyte extravasation through inflamed vessels. <i>Journal of Experimental Medicine</i> , 2012, 209, 1349-1362.	8.5	115
6	Hydrazine Expos ^Å : The Next-Generation Fluorescent Probe. <i>ACS Sensors</i> , 2019, 4, 441-449.	7.8	112
7	Recombinant human activated protein C inhibits integrin-mediated neutrophil migration. <i>Blood</i> , 2009, 113, 4078-4085.	1.4	108
8	Particulate matter induces inflammatory cytokine production via activation of NF κ B by TLR5-NOX4-ROS signaling in human skin keratinocyte and mouse skin. <i>Redox Biology</i> , 2019, 21, 101080.	9.0	97
9	Optogenetic control of chemokine receptor signal and T-cell migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6371-6376.	7.1	95
10	T cell microvilli constitute immunological synaptosomes that carry messages to antigen-presenting cells. <i>Nature Communications</i> , 2018, 9, 3630.	12.8	81
11	TAGLN2 regulates T cell activation by stabilizing the actin cytoskeleton at the immunological synapse. <i>Journal of Cell Biology</i> , 2015, 209, 143-162.	5.2	78
12	Particulate matter-induced senescence of skin keratinocytes involves oxidative stress-dependent epigenetic modifications. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-14.	7.7	71
13	Outside-In Signal Transmission by Conformational Changes in Integrin Mac-1. <i>Journal of Immunology</i> , 2009, 183, 6460-6468.	0.8	68
14	Activated Integrin VLA-4 Localizes to the Lamellipodia and Mediates T Cell Migration on VCAM-1. <i>Journal of Immunology</i> , 2009, 183, 359-369.	0.8	64
15	LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18) distinctly regulate neutrophil extravasation through hotspots I and II. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-13.	7.7	63
16	Acetylation modulates prolactin receptor dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19314-19319.	7.1	58
17	Leukocyte integrins and their ligand interactions. <i>Immunologic Research</i> , 2009, 45, 195-208.	2.9	57
18	Sepsis lethality via exacerbated tissue infiltration and TLR-induced cytokine production by neutrophils is integrin β 21-dependent. <i>Blood</i> , 2014, 124, 3515-3523.	1.4	53

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19	Live Imaging of Influenza Infection of the Trachea Reveals Dynamic Regulation of CD8+ T Cell Motility by Antigen. <i>PLoS Pathogens</i> , 2016, 12, e1005881.	4.7	46
20	PM2.5 Exposure in the Respiratory System Induces Distinct Inflammatory Signaling in the Lung and the Liver of Mice. <i>Journal of Immunology Research</i> , 2019, 2019, 1-11.	2.2	43
21	Deep insight into neutrophil trafficking in various organs. <i>Journal of Leukocyte Biology</i> , 2017, 102, 617-629.	3.3	42
22	Cleaved Cochlin Sequesters <i>Pseudomonas aeruginosa</i> and Activates Innate Immunity in the Inner Ear. <i>Cell Host and Microbe</i> , 2019, 25, 513-525.e6.	11.0	42
23	Neutrophils Return to Bloodstream Through the Brain Blood Vessel After Crosstalk With Microglia During LPS-Induced Neuroinflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 613733.	3.7	34
24	Role of $\beta 2$ Integrin in Tissue Homing of Neutrophils During Sepsis. <i>Shock</i> , 2012, 38, 281-287.	2.1	28
25	Opposing roles for RhoH GTPase during T-cell migration and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10474-10479.	7.1	26
26	Inhibition of Pendrin by a small molecule reduces Lipopolysaccharide-induced acute Lung Injury. <i>Theranostics</i> , 2020, 10, 9913-9922.	10.0	25
27	Skin-resident natural killer T cells participate in cutaneous allergic inflammation in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1764-1777.	2.9	23
28	In vivo monitoring of dynamic interaction between neutrophil and human umbilical cord blood-derived mesenchymal stem cell in mouse liver during sepsis. <i>Stem Cell Research and Therapy</i> , 2020, 11, 44.	5.5	22
29	TAGLN2 polymerizes G-actin in a low ionic state but blocks Arp2/3-nucleated actin branching in physiological conditions. <i>Scientific Reports</i> , 2018, 8, 5503.	3.3	18
30	Endogenous DEL-1 restrains melanoma lung metastasis by limiting myeloid cell-associated lung inflammation. <i>Science Advances</i> , 2020, 6, .	10.3	18
31	A bright blue fluorescent dextran for two-photon in vivo imaging of blood vessels. <i>Bioorganic Chemistry</i> , 2019, 89, 103019.	4.1	17
32	Neutrophils Facilitate Prolonged Inflammasome Response in the DAMP-Rich Inflammatory Milieu. <i>Frontiers in Immunology</i> , 2021, 12, 746032.	4.8	17
33	Extravasating Neutrophil-derived Microparticles Preserve Vascular Barrier Function in Inflamed Tissue. <i>Immune Network</i> , 2013, 13, 102.	3.6	16
34	Neutrophils infiltrate into the spiral ligament but not the stria vascularis in the cochlea during lipopolysaccharide-induced inflammation. <i>Theranostics</i> , 2021, 11, 2522-2533.	10.0	16
35	Mitofusin-2 Expression Is Implicated in Cervical Cancer Pathogenesis. <i>Anticancer Research</i> , 2018, 38, 3419-3426.	1.1	15
36	Real-Time Monitoring of Cancer Cells in Live Mouse Bone Marrow. <i>Frontiers in Immunology</i> , 2018, 9, 1681.	4.8	14

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37	Visualization of integrin Mac-1 in vivo. <i>Journal of Immunological Methods</i> , 2015, 426, 120-127.	1.4	12
38	Neutrophil Extravasation Cascade: What Can We Learn from Two-photon Intravital Imaging?. <i>Immune Network</i> , 2016, 16, 317.	3.6	12
39	Sensing of Vascular Permeability in Inflamed Vessel of Live Animal. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-6.	1.6	11
40	Reparative System Arising from CCR2(+) Monocyte Conversion Attenuates Neuroinflammation Following Ischemic Stroke. <i>Translational Stroke Research</i> , 2021, 12, 879-893.	4.2	11
41	Real-time dynamics of neutrophil clustering in response to phototoxicity-induced cell death and tissue damage in mouse ear dermis. <i>Cell Adhesion and Migration</i> , 2018, 12, 1-20.	2.7	10
42	Mitofusin-2 Promotes the Epithelial-Mesenchymal Transition-Induced Cervical Cancer Progression. <i>Immune Network</i> , 2021, 21, e30.	3.6	9
43	3D Imaging of the Transparent Mycobacterium tuberculosis-Infected Lung Verifies the Localization of Innate Immune Cells With Granuloma. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 226.	3.9	8
44	Three-Dimensional Distribution of Cochlear Macrophages in the Lateral Wall of Cleared Cochlea. <i>Clinical and Experimental Otorhinolaryngology</i> , 2021, 14, 179-184.	2.1	8
45	Stepwise transmigration of T- and B cells through a perivascular channel in high endothelial venules. <i>Life Science Alliance</i> , 2021, 4, e202101086.	2.8	8
46	Cochlin-cleaved LCCL is a dual-armed regulator of the innate immune response in the cochlea during inflammation. <i>BMB Reports</i> , 2020, 53, 449-452.	2.4	8
47	LCCL peptide cleavage after noise exposure exacerbates hearing loss and is associated with the monocyte infiltration in the cochlea. <i>Hearing Research</i> , 2021, 412, 108378.	2.0	8
48	Two-photon Intravital Imaging of Leukocytes During the Immune Response in Lipopolysaccharide-treated Mouse Liver. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	7
49	Investigation of intact mouse cochleae using two-photon laser scanning microscopy. <i>Microscopy Research and Technique</i> , 2020, 83, 1235-1240.	2.2	6
50	Development and validation of a novel sepsis biomarker based on amino acid profiling. <i>Clinical Nutrition</i> , 2021, 40, 3668-3676.	5.0	6
51	Lysophosphatidylcholine Alleviates Acute Lung Injury by Regulating Neutrophil Motility and Neutrophil Extracellular Trap Formation. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	6
52	Two-photon intravital imaging of leukocyte migration during inflammation in the respiratory system. <i>Acute and Critical Care</i> , 2019, 34, 101-107.	1.4	4
53	Real-time observation of neutrophil extracellular trap formation in the inflamed mouse brain via two-photon intravital imaging. <i>Laboratory Animal Research</i> , 2022, 38, .	2.5	3
54	Monitoring Integrin Activation by Fluorescence Resonance Energy Transfer. <i>Methods in Molecular Biology</i> , 2011, 757, 205-214.	0.9	2

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55	Conserved Noncoding Sequences Boost ADR1 and SP1 Regulated Human Swiprosin-1 Promoter Activity. Scientific Reports, 2018, 8, 16481.	3.3	1
56	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. Journal of Experimental Medicine, 2008, 205, 993-993.	8.5	0
57	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. Journal of Cell Biology, 2008, 180, i5-i5.	5.2	0
58	Uropod elongation is a common final step in leukocyte extravasation through inflamed vessels. Journal of Cell Biology, 2012, 197, i11-i11.	5.2	0