Chun Geun Lee

List of Publications by Year
in descending order

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73 papers	7,266 citations	87888 38 h-index	82547 72 g-index
84 all docs	84 docs citations	84 times ranked	8871 citing authors

#	Article	IF	Citations
1	Potential role of chitinaseâ€3â€like protein 1 (CHI3L1/YKLâ€40) in neurodegeneration and Alzheimer's disease. Alzheimer's and Dementia, 2023, 19, 9-24.	0.8	35
2	Proteome-Wide Analysis Using SOMAscan Identifies and Validates Chitinase-3-Like Protein 1 as a Risk and Disease Marker of Delirium Among Older Adults Undergoing Major Elective Surgery. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 484-493.	3.6	27
3	A Novel Regulatory Role of Activated Leukocyte Cell-Adhesion Molecule in the Pathogenesis of Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 415-427.	2.9	10
4	Targeting Chitinase 1 and Chitinase 3-Like 1 as Novel Therapeutic Strategy of Pulmonary Fibrosis. Frontiers in Pharmacology, 2022, 13, 826471.	3.5	7
5	Deaccelerated Myogenesis and Autophagy in Genetically Induced Pulmonary Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 623-637.	2.9	12
6	Kasugamycin Is a Novel Chitinase 1 Inhibitor with Strong Antifibrotic Effects on Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 309-319.	2.9	6
7	Chitotriosidase Activity Is Counterproductive in a Mouse Model of Systemic Candidiasis. Frontiers in Immunology, 2021, 12, 626798.	4.8	3
8	Club cell-specific role of programmed cell death 5 in pulmonary fibrosis. Nature Communications, 2021, 12, 2923.	12.8	17
9	Chitinase 3-like-1 contributes to acetaminophen-induced liver injury by promoting hepatic platelet recruitment. ELife, 2021, 10, .	6.0	19
10	SDH Subunit C Regulates Muscle Oxygen Consumption and Fatigability in an Animal Model of Pulmonary Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 259-271.	2.9	9
11	CHI3L1 regulates PD-L1 and antiâ€“CHI3L1â€“PD-1 antibody elicits synergistic antitumor responses. Journal of Clinical Investigation, 2021, 131, .	8.2	25
12	Chitinase 3-like-1 is a therapeutic target that mediates the effects of aging in COVID-19. JCI Insight, 2021, 6, .	5.0	23
13	IL-13-driven pulmonary emphysema leads to skeletal muscle dysfunction attenuated by endurance exercise. Journal of Applied Physiology, 2020, 128, 134-148.	2.5	18
14	Established Biomarkers of Chronic Obstructive Pulmonary Disease Reflect Skeletal Muscle Integrityâ€™s Response to Exercise in an Animal Model of Pulmonary Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 266-269.	2.9	10
15	Hypercapnia-Driven Skeletal Muscle Dysfunction in an Animal Model of Pulmonary Emphysema Suggests a Complex Phenotype. Frontiers in Physiology, 2020, 11, 600290.	2.8	9
16	N-Glycosylation Regulates Chitinase 3â€“like-1 and IL-13 Ligand Binding to IL-13 Receptor Î±2. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 386-395.	2.9	17
17	Chitinase 3-Like 1 Contributes to Food Allergy via M2 Macrophage Polarization. Allergy, Asthma and Immunology Research, 2020, 12, 1012.	2.9	31
18	Chitinase 3â€like 1 drives allergic skin inflammation via Th2 immunity and M2 macrophage activation. Clinical and Experimental Allergy, 2019, 49, 1464-1474.	2.9	43

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19	Transforming growth factor Î²1 alters the 3â€²-UTR of mRNA to promote lung fibrosis. Journal of Biological Chemistry, 2019, 294, 15781-15794.	3.4	8
20	COPD as a Disease of Immunosenescence. Yonsei Medical Journal, 2019, 60, 407.	2.2	48
21	Chitinase 3â€like 1 protein plays a critical role in respiratory syncytial virusâ€induced airway inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 685-697.	5.7	29
22	Chitinase 1 regulates pulmonary fibrosis by modulating TGF-Î²/SMAD7 pathway via TGFBRAP1 and FOXO3. Life Science Alliance, 2019, 2, e201900350.	2.8	26
23	Regulation of chitinase-3-like-1 in T cell elicits Th1 and cytotoxic responses to inhibit lung metastasis. Nature Communications, 2018, 9, 503.	12.8	72
24	Galectin-3 Interacts with the CHI3L1 Axis and Contributes to Hermanskyâ€“Pudlak Syndrome Lung Disease. Journal of Immunology, 2018, 200, 2140-2153.	0.8	38
25	Chitotriosidase inhibits allergic asthmatic airways via regulation of <scp>TGF</scp>â€Î² expression and Foxp3⁺ Treg cells. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1686-1699.	5.7	25
26	Chitinase 3â€likeâ€1 promotes intrahepatic activation of coagulation through induction of tissue factor in mice. Hepatology, 2018, 67, 2384-2396.	7.3	15
27	Immunomodulation of Host Chitinase 3-Like 1 During a Mammary Pathogenic Escherichia coli Infection. Frontiers in Immunology, 2018, 9, 1143.	4.8	18
28	Regulation and Role of Chitotriosidase during Lung Infection with Klebsiella pneumoniae. Journal of Immunology, 2018, 201, 615-626.	0.8	17
29	Laminin Î±1 is a genetic modifier of TGF-Î²1â€“stimulated pulmonary fibrosis. JCI Insight, 2018, 3, .	5.0	24
30	YKL-40 Associates with Renal Recovery in Deceased Donor Kidney Transplantation. Journal of the American Society of Nephrology: JASN, 2017, 28, 661-670.	6.1	50
31	RIG-like Helicase Regulation of Chitinase 3-like 1 Axis and Pulmonary Metastasis. Scientific Reports, 2016, 6, 26299.	3.3	21
32	IL-13RÎ±2 uses TMEM219 in chitinase 3-like-1-induced signalling and effector responses. Nature Communications, 2016, 7, 12752.	12.8	92
33	Self-assembled Micelle Interfering RNA for Effective and Safe Targeting of Dysregulated Genes in Pulmonary Fibrosis. Journal of Biological Chemistry, 2016, 291, 6433-6446.	3.4	34
34	Sputum Gene Expression of IL-13 Receptor Î±2 Chain Correlates with Airflow Obstruction and Helper T-Cell Type 2 Inflammation in Asthma. Annals of the American Thoracic Society, 2016, 13 Suppl 1, S96-7.	3.2	3
35	Distal airways are protected from goblet cell metaplasia by diminished expression of <scp>IL</scp>â€13 signalling components. Clinical and Experimental Allergy, 2015, 45, 1447-1458.	2.9	15
36	Chitotriosidase in the Pathogenesis of Inflammation, Interstitial Lung Diseases and COPD. Allergy, Asthma and Immunology Research, 2015, 7, 14.	2.9	41

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37	Epithelial Cell Mitochondrial Dysfunction and PINK1 Are Induced by Transforming Growth Factor-Beta1 in Pulmonary Fibrosis. PLoS ONE, 2015, 10, e0121246.	2.5	144
38	AMCase is a crucial regulator of type 2 immune responses to inhaled house dust mites. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2891-9.	7.1	51
39	Role of Chitinase 3â€“like-1 and Semaphorin 7a in Pulmonary Melanoma Metastasis. Cancer Research, 2015, 75, 487-496.	0.9	71
40	Role of Chitinase 3â€“Like-1 in Interleukin-18â€“Induced Pulmonary Type 1, Type 2, and Type 17 Inflammation; Alveolar Destruction; and Airway Fibrosis in the Murine Lung. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 863-871.	2.9	50
41	Regulation of Retinoic Acid Receptor Beta by Interleukin-15 in the Lung during Cigarette Smoking and Influenza Virus Infection. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 822-833.	2.9	10
42	Suppression of NLRX1 in chronic obstructive pulmonary disease. Journal of Clinical Investigation, 2015, 125, 2458-2462.	8.2	65
43	Chitinase 3â€“likeâ€“1 and its receptors in Hermansky-Pudlak syndromeâ€“associated lung disease. Journal of Clinical Investigation, 2015, 125, 3178-3192.	8.2	54
44	Chitinase 3-like 1 induces survival and proliferation of intestinal epithelial cells during chronic inflammation and colitis-associated cancer by regulating S100A9. Oncotarget, 2015, 6, 36535-36550.	1.8	72
45	Modifiers of TGF-Î²1 effector function as novel therapeutic targets of pulmonary fibrosis. Korean Journal of Internal Medicine, 2014, 29, 281.	1.7	62
46	Chitinase 3â€“Like 1 Suppresses Injury and Promotes Fibroproliferative Responses in Mammalian Lung Fibrosis. Science Translational Medicine, 2014, 6, 240ra76.	12.4	162
47	Chitinase 3-like 1 Regulates Cellular and Tissue Responses via IL-13 Receptor Î±2. Cell Reports, 2013, 4, 830-841.	6.4	244
48	Chitinase 1 Is a Biomarker for and Therapeutic Target in Scleroderma-Associated Interstitial Lung Disease That Augments TGF-Î²1 Signaling. Journal of Immunology, 2012, 189, 2635-2644.	0.8	90
49	Chitinase-like Proteins in Lung Injury, Repair, and Metastasis. Proceedings of the American Thoracic Society, 2012, 9, 57-61.	3.5	22
50	Amphiregulin, an Epidermal Growth Factor Receptor Ligand, Plays an Essential Role in the Pathogenesis of Transforming Growth Factor-Î²-induced Pulmonary Fibrosis. Journal of Biological Chemistry, 2012, 287, 41991-42000.	3.4	119
51	IL-18 Induces Emphysema and Airway and Vascular Remodeling via IFN-Î³, IL-17A, and IL-13. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 1205-1217.	5.6	85
52	Chitinase 3-like-1 Promotes Streptococcus pneumoniae Killing and Augments Host Tolerance to Lung Antibacterial Responses. Cell Host and Microbe, 2012, 12, 34-46.	11.0	134
53	Role of Chitin and Chitinase/Chitinase-Like Proteins in Inflammation, Tissue Remodeling, and Injury. Annual Review of Physiology, 2011, 73, 479-501.	13.1	700
54	Role of Breast Regression Proteinâ€“39 in the Pathogenesis of Cigarette Smokeâ€“Induced Inflammation and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 777-786.	2.9	67

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55	Studies of Vascular Endothelial Growth Factor in Asthma and Chronic Obstructive Pulmonary Disease. Proceedings of the American Thoracic Society, 2011, 8, 512-515.	3.5	67
56	Role of breast regression protein-39/YKL-40 in asthma and allergic responses. Allergy, Asthma and Immunology Research, 2010, 2, 20.	2.9	66
57	The Chitinase-like Proteins Breast Regression Protein-39 and YKL-40 Regulate Hyperoxia-induced Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 918-928.	5.6	99
58	Chitin, Chitinases and Chitinase-like Proteins in Allergic Inflammation and Tissue Remodeling. Yonsei Medical Journal, 2009, 50, 22.	2.2	122
59	Role of breast regression protein 39 (BRP-39)/chitinase 3-like-1 in Th2 and IL-13â€“induced tissue responses and apoptosis. Journal of Experimental Medicine, 2009, 206, 1149-1166.	8.5	376
60	Acidic Mammalian Chitinase Regulates Epithelial Cell Apoptosis via a Chitinolytic-Independent Mechanism. Journal of Immunology, 2009, 182, 5098-5106.	0.8	43
61	Genetic Variation in the Promoter Region of Chitinase 3-Like 1 Is Associated with Atopy. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 449-456.	5.6	79
62	Chitin regulation of immune responses: an old molecule with new roles. Current Opinion in Immunology, 2008, 20, 684-689.	5.5	315
63	Endogenous IL-11 Signaling Is Essential in Th2- and IL-13â€“Induced Inflammation and Mucus Production. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 739-746.	2.9	56
64	Cigarette smoke selectively enhances viral PAMPâ€“ and virus-induced pulmonary innate immune and remodeling responses in mice. Journal of Clinical Investigation, 2008, 118, 2771-84.	8.2	194
65	A Chitinase-like Protein in the Lung and Circulation of Patients with Severe Asthma. New England Journal of Medicine, 2007, 357, 2016-2027.	27.0	512
66	Genetic Control of Transforming Growth Factor-Â1-induced Emphysema and Fibrosis in the Murine Lung. Proceedings of the American Thoracic Society, 2006, 3, 476a-477.	3.5	31
67	Transgenic Modeling of Transforming Growth Factor-Â1: Role of Apoptosis in Fibrosis and Alveolar Remodeling. Proceedings of the American Thoracic Society, 2006, 3, 418-423.	3.5	107
68	Chitinases and chitinase-like proteins in TH2 inflammation and asthma. Journal of Allergy and Clinical Immunology, 2005, 116, 497-500.	2.9	209
69	Early Growth Response Gene 1â€“mediated Apoptosis Is Essential for Transforming Growth Factor Î²1â€“induced Pulmonary Fibrosis. Journal of Experimental Medicine, 2004, 200, 377-389.	8.5	339
70	Vascular endothelial growth factor (VEGF) induces remodeling and enhances TH2-mediated sensitization and inflammation in the lung. Nature Medicine, 2004, 10, 1095-1103.	30.7	549
71	Transgenic Overexpression of Interleukin (IL)-10 in the Lung Causes Mucus Metaplasia, Tissue Inflammation, and Airway Remodeling via IL-13-dependent and -independent Pathways. Journal of Biological Chemistry, 2002, 277, 35466-35474.	3.4	139
72	Interleukin-13 Induces Tissue Fibrosis by Selectively Stimulating and Activating Transforming Growth Factor Î²1. Journal of Experimental Medicine, 2001, 194, 809-822.	8.5	845

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73	Host chitinase 3-like-1 is a universal therapeutic target for SARS-CoV-2 viral variants in COVID-19. ELife, 0, 11, .	6.0	2