Patty J Lee

List of Publications by Year in descending order

66 papers	10,639 citations	94433 37 h-index	106344 65 g-index
68 all docs	68 docs citations	68 times ranked	20864 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Regulation of lung injury and repair by Toll-like receptors and hyaluronan. Nature Medicine, 2005, 11, 1173-1179.	30.7	1,291
3	Parallel Induction of Heme Oxygenase-1 and Chemoprotective Phase 2 Enzymes by Electrophiles and Antioxidants: Regulation by Upstream Antioxidant-Responsive Elements (ARE). Molecular Medicine, 1995, 1, 827-837.	4.4	278
4	Carbon Monoxide Inhibition of Apoptosis during Ischemia-Reperfusion Lung Injury Is Dependent on the p38 Mitogen-activated Protein Kinase Pathway and Involves Caspase 3. Journal of Biological Chemistry, 2003, 278, 1248-1258.	3.4	251
5	Thyroid hormone inhibits lung fibrosis in mice by improving epithelial mitochondrial function. Nature Medicine, 2018, 24, 39-49.	30.7	236
6	Small Interfering RNA Targeting Heme Oxygenase-1 Enhances Ischemia-Reperfusion-induced Lung Apoptosis. Journal of Biological Chemistry, 2004, 279, 10677-10684.	3.4	230
7	Carbon Monoxide Induces Cytoprotection in Rat Orthotopic Lung Transplantation via Anti-Inflammatory and Anti-Apoptotic Effects. American Journal of Pathology, 2003, 163, 231-242.	3.8	207
8	Toll-like receptor 4 deficiency causes pulmonary emphysema. Journal of Clinical Investigation, 2006, 116, 3050-3059.	8.2	199
9	Cell Death in the Lung: The Apoptosisâ€“Necroptosis Axis. Annual Review of Physiology, 2019, 81, 375-402.	13.1	190
10	Reactive Oxygen Species and Extracellular Signal-Regulated Kinase 1/2 Mitogen-Activated Protein Kinase Mediate Hyperoxia-Induced Cell Death in Lung Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 305-315.	2.9	187
11	Carbon Monoxide Differentially Modulates STAT1 and STAT3 and Inhibits Apoptosis via a Phosphatidylinositol 3-Kinase/Akt and p38 Kinase-dependent STAT3 Pathway during Anoxia-Reoxygenation Injury. Journal of Biological Chemistry, 2005, 280, 8714-8721.	3.4	178
12	Pathways of cell signaling in hyperoxia. Free Radical Biology and Medicine, 2003, 35, 341-350.	2.9	171
13	Carbon Monoxide Modulates Fas/Fas Ligand, Caspases, and Bcl-2 Family Proteins via the p38Î± Mitogen-activated Protein Kinase Pathway during Ischemia-Reperfusion Lung Injury. Journal of Biological Chemistry, 2003, 278, 22061-22070.	3.4	149
14	Cutting Edge: TLR4 Deficiency Confers Susceptibility to Lethal Oxidant Lung Injury. Journal of Immunology, 2005, 175, 4834-4838.	0.8	142
15	Signal Transduction Pathways in Hyperoxia-Induced Lung Cell Death. Molecular Genetics and Metabolism, 2000, 71, 359-370.	1.1	123
16	ERK1/2 mitogen-activated protein kinase selectively mediates IL-13-induced lung inflammation and remodeling in vivo. Journal of Clinical Investigation, 2005, 116, 163-173.	8.2	111
17	The Wnt Antagonist Dickkopf-1 Promotes Pathological Type 2 Cell-Mediated Inflammation. Immunity, 2016, 44, 246-258.	14.3	107
18	Endothelial Uncoupling Protein 2 Regulates Mitophagy and Pulmonary Hypertension During Intermittent Hypoxia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1166-1178.	2.4	99

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19	Mitogen-activated protein kinases regulate HO-1 gene transcription after ischemia-reperfusion lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L815-L829.	2.9	98
20	Endothelial STAT3 is essential for the protective effects of HOâ€1 in oxidantâ€induced lung injury. FASEB Journal, 2006, 20, 2156-2158.	0.5	98
21	Increased Risk of Radiographic Emphysema in HIV Is Associated With Elevated Soluble CD14 and Nadir CD4. Chest, 2014, 146, 1543-1553.	0.8	96
22	AP-1 and STAT mediate hyperoxia-induced gene transcription of heme oxygenase-1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L175-L182.	2.9	95
23	Pharmacological modulation of the AKT/microRNA-199a-5p/CAV1 pathway ameliorates cystic fibrosis lung hyper-inflammation. Nature Communications, 2015, 6, 6221.	12.8	84
24	MKK3 regulates mitochondrial biogenesis and mitophagy in sepsis-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L604-L619.	2.9	74
25	Heme Oxygenase-1 in Lung Disease. Current Drug Targets, 2010, 11, 1532-1540.	2.1	73
26	Mitochondrial dysfunction and pulmonary hypertension: cause, effect, or both. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L782-L796.	2.9	71
27	Expansion of hedgehog disrupts mesenchymal identity and induces emphysema phenotype. Journal of Clinical Investigation, 2018, 128, 4343-4358.	8.2	64
28	Endothelial PINK1 Mediates the Protective Effects of NLRP3 Deficiency during Lethal Oxidant Injury. Journal of Immunology, 2014, 192, 5296-5304.	0.8	63
29	VEGFâ€induced heme oxygenaseâ€1 confers cytoprotection from lethal hyperoxia in vivo. FASEB Journal, 2007, 21, 1422-1432.	0.5	62
30	Inducible Activation of TLR4 Confers Resistance to Hyperoxia-Induced Pulmonary Apoptosis. Journal of Immunology, 2006, 176, 4950-4958.	0.8	58
31	MIFallele-dependent regulation of the MIF coreceptor CD44 and role in rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7917-E7926.	7.1	54
32	SH2 Domainâ€“Containing Phosphatase-2 Is a Novel Antifibrotic Regulator in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 500-514.	5.6	49
33	A review of micronutrients in sepsis: the role of thiamine,<scp>l</scp>-carnitine, vitamin C, selenium and vitamin D. Nutrition Research Reviews, 2018, 31, 281-290.	4.1	47
34	A Protective Hsp70â€“TLR4 Pathway in Lethal Oxidant Lung Injury. Journal of Immunology, 2013, 191, 1393-1403.	0.8	45
35	Lung endothelial HOâ€1 targetingin vivousing lentiviral miRNA regulates apoptosis and autophagy during oxidant injury. FASEB Journal, 2013, 27, 4041-4058.	0.5	44
36	Macrophage migration inhibitory factor deficiency in chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L487-L496.	2.9	43

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37	Therapeutic Applications of Carbon Monoxide. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-11.	4.0	41
38	Surfactant protein C dampens inflammation by decreasing JAK/STAT activation during lung repair. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L882-L892.	2.9	40
39	Endothelial CD74 mediates macrophage migration inhibitory factor protection in hyperoxic lung injury. FASEB Journal, 2015, 29, 1940-1949.	0.5	39
40	Role of macrophage migration inhibitory factor in age-related lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1-L10.	2.9	39
41	Heme oxygenase modulates small intestine leukocyte adhesion following hindlimb ischemia/reperfusion by regulating the expression of intercellular adhesion molecule-1*. Critical Care Medicine, 2005, 33, 2563-2570.	0.9	37
42	Endothelial MKK3 Is a Critical Mediator of Lethal Murine Endotoxemia and Acute Lung Injury. Journal of Immunology, 2013, 190, 1264-1275.	0.8	36
43	Cathepsin E Promotes Pulmonary Emphysema via Mitochondrial Fission. American Journal of Pathology, 2014, 184, 2730-2741.	3.8	35
44	Dyspnea in Communityâ€Dwelling Older Persons: A Multifactorial Geriatric Health Condition. Journal of the American Geriatrics Society, 2016, 64, 2042-2050.	2.6	31
45	The DNA repair transcriptome in severeÂCOPD. European Respiratory Journal, 2018, 52, 1701994.	6.7	29
46	MKK3 influences mitophagy and is involved in cigarette smoke-induced inflammation. Free Radical Biology and Medicine, 2016, 101, 102-115.	2.9	24
47	Endothelial cellâ€secreted MIF reduces pericyte contractility and enhances neutrophil extravasation. FASEB Journal, 2019, 33, 2171-2186.	0.5	24
48	Cathelicidin Insufficiency in Patients with Fatal Leptospirosis. PLoS Pathogens, 2016, 12, e1005943.	4.7	22
49	Endothelial Stanniocalcin 1 Maintains Mitochondrial Bioenergetics and Prevents Oxidant-Induced Lung Injury via Toll-Like Receptor 4. Antioxidants and Redox Signaling, 2019, 30, 1775-1796.	5.4	20
50	An Endothelial Hsp70-TLR4 Axis Limits Nox3 Expression and Protects Against Oxidant Injury in Lungs. Antioxidants and Redox Signaling, 2016, 24, 991-1012.	5.4	18
51	MKK3 mediates inflammatory response through modulation of mitochondrial function. Free Radical Biology and Medicine, 2015, 83, 139-148.	2.9	17
52	Endothelial tollâ€like receptor 4 maintains lung integrity via epigenetic suppression of p16^{INK4a}. Aging Cell, 2019, 18, e12914.	6.7	16
53	MicroRNA miR-24-3p reduces DNA damage responses, apoptosis, and susceptibility to chronic obstructive pulmonary disease. JCI Insight, 2021, 6, .	5.0	16
54	Oxidants in Acute and Chronic Lung Disease. Journal of Blood & Lymph, 2014, 04, .	0.0	15

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55	An endothelial TLR4â€VEGFR2 pathway mediates lung protection against oxidantâ€induced injury. FASEB Journal, 2016, 30, 1317-1327.	0.5	15
56	MKK3 deletion improves mitochondrial quality. Free Radical Biology and Medicine, 2015, 87, 373-384.	2.9	12
57	Complexity of macrophage migration inhibitory factor (MIF) and other angiogenic biomarkers profiling in pulmonary arterial hypertension. Pulmonary Circulation, 2017, 7, 730-733.	1.7	10
58	Effects of bone marrow-derived mesenchymal stromal cells on gene expression in human alveolar type II cells exposed to TNF-Î± , IL-1Î² , and IFN-Î³. Physiological Reports, 2018, 6, e13831.	1.7	7
59	PINK1 mediates the protective effects of thyroid hormone T3 in hyperoxia-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L1118-L1125.	2.9	7
60	Pazopanib ameliorates acute lung injuries via inhibition of MAP3K2 and MAP3K3. Science Translational Medicine, 2021, 13, .	12.4	7
61	Elevated Activation of Neutrophil Toll-Like Receptors in Patients with Acute Severe Leptospirosis: An Observational Study. American Journal of Tropical Medicine and Hygiene, 2019, 101, 585-589.	1.4	5
62	Sex differences and altered mitophagy in experimental pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L761-L769.	2.9	5
63	SILAC based protein profiling data of MKK3 knockout mouse embryonic fibroblasts. Data in Brief, 2016, 7, 418-422.	1.0	1
64	Proteomics data on MAP Kinase Kinase 3 knock out bone marrow derived macrophages exposed to cigarette smoke extract. Data in Brief, 2017, 13, 320-325.	1.0	1
65	PECAM-1 is Associated WithOutcomes and Response to Treatment in Pulmonary Arterial Hypertension. American Journal of Cardiology, 2020, 127, 198-199.	1.6	1
66	MIF and Pulmonary Disease. , 2017, , 135-144.		0