Satoru Ito

List of Publications by Year in descending order

83 papers	2,831 citations	172207 29 h-index	182168 51 g-index
84 all docs	84 docs citations	84 times ranked	3410 citing authors

#	Article	IF	Citations
1	Biomechanics of the lung parenchyma: critical roles of collagen and mechanical forces. Journal of Applied Physiology, 2005, 98, 1892-1899.	1.2	263
2	Mechanical interactions between collagen and proteoglycans: implications for the stability of lung tissue. Journal of Applied Physiology, 2005, 98, 672-679.	1.2	221
3	cAMP regulation of airway smooth muscle function. Pulmonary Pharmacology and Therapeutics, 2013, 26, 112-120.	1.1	177
4	Mechanics, nonlinearity, and failure strength of lung tissue in a mouse model of emphysema: possible role of collagen remodeling. Journal of Applied Physiology, 2005, 98, 503-511.	1.2	122
5	Role of RhoA Inactivation in Reduced Cell Proliferation of Human Airway Smooth Muscle by Simvastatin. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 722-729.	1.4	121
6	Tissue heterogeneity in the mouse lung: effects of elastase treatment. Journal of Applied Physiology, 2004, 97, 204-212.	1.2	106
7	Matrix stiffness regulates migration of human lung fibroblasts. Physiological Reports, 2017, 5, e13281.	0.7	90
8	Ion channel regulation of intracellular calcium and airway smooth muscle function. Pulmonary Pharmacology and Therapeutics, 2009, 22, 388-397.	1.1	85
9	Sphingosine 1-Phosphate Causes Airway Hyper-Reactivity by Rho-Mediated Myosin Phosphatase Inactivation. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 766-773.	1.3	82
10	Airway smooth muscle in asthma: Linking contraction and mechanotransduction to disease pathogenesis and remodelling. Pulmonary Pharmacology and Therapeutics, 2014, 29, 96-107.	1.1	76
11	Possible involvement of Rho kinase in Ca²⁺sensitization and mobilization by MCh in tracheal smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L1218-L1224.	1.3	71
12	Mechanical stretch enhances IL-8 production in pulmonary microvascular endothelial cells. Biochemical and Biophysical Research Communications, 2009, 389, 531-536.	1.0	70
13	Regulation of Capacitative and Noncapacitative Receptor-Operated Ca^{2 +} Entry by Rho-Kinase in Tracheal Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 491-498.	1.4	64
14	Actin Cytoskeleton Regulates Stretch-Activated Ca²⁺ Influx in Human Pulmonary Microvascular Endothelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 26-34.	1.4	62
15	Microtubule Dynamics Regulate Cyclic Stretch-Induced Cell Alignment in Human Airway Smooth Muscle Cells. PLoS ONE, 2011, 6, e26384.	1.1	62
16	Regulation of PD-L1 expression by matrix stiffness in lung cancer cells. Biochemical and Biophysical Research Communications, 2018, 495, 2344-2349.	1.0	62
17	A Novel Ca²⁺ Influx Pathway Activated by Mechanical Stretch in Human Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 407-413.	1.4	57
18	Early Emphysema in the Tight Skin and Pallid Mice. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 688-694.	1.4	51

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19	Role of Lysophosphatidylcholine in the Desensitization of Î² -Adrenergic Receptors by Ca^{2 +} Sensitization in Tracheal Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 291-298.	1.4	49
20	STIM1 Regulates Platelet-Derived Growth Factor-Induced Migration and Ca2+ Influx in Human Airway Smooth Muscle Cells. PLoS ONE, 2012, 7, e45056.	1.1	43
21	Preoperative 6-minute walk distance accurately predicts postoperative complications afterÂoperations for hepato-pancreato-biliary cancer. Surgery, 2017, 161, 525-532.	1.0	43
22	Viscoelastic and dynamic nonlinear properties of airway smooth muscle tissue: roles of mechanical force and the cytoskeleton. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L1227-L1237.	1.3	42
23	Real-Time Imaging of ATP Release Induced by Mechanical Stretch in Human Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 772-782.	1.4	42
24	Effects of heterogeneities on the partitioning of airway and tissue properties in normal mice. Journal of Applied Physiology, 2007, 102, 859-869.	1.2	38
25	Factors Affecting the Diagnostic Yield of Transbronchial Biopsy Using Endobronchial Ultrasonography with a Guide Sheath in Peripheral Lung Cancer. Internal Medicine, 2016, 55, 1705-1712.	0.3	38
26	Prostaglandin E2 enhances interleukin-8 production via EP4 receptor in human pulmonary microvascular endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L266-L273.	1.3	33
27	Differential Regulation of Airway Smooth Muscle Cell Migration by E-Prostanoid Receptor Subtypes. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 322-329.	1.4	33
28	Ca2+ influx and ATP release mediated by mechanical stretch in human lung fibroblasts. Biochemical and Biophysical Research Communications, 2014, 453, 101-105.	1.0	33
29	Roles of stretch-activated cation channel and Rho-kinase in the spontaneous contraction of airway smooth muscle. European Journal of Pharmacology, 2006, 552, 135-142.	1.7	32
30	Regulation of endothelin-1-induced interleukin-6 production by Ca2+ influx in human airway smooth muscle cells. European Journal of Pharmacology, 2009, 605, 15-22.	1.7	31
31	Direct effects of hydrogen peroxide on airway smooth muscle tone: Roles of Ca2+ influx and Rho-kinase. European Journal of Pharmacology, 2007, 556, 151-156.	1.7	29
32	Effects of specific prostanoid EP receptor agonists on cell proliferation and intracellular Ca2+ concentrations in human airway smooth muscle cells. European Journal of Pharmacology, 2011, 659, 72-78.	1.7	27
33	Three Cases of Bronchial Asthma Preceding IgG4-Related Autoimmune Pancreatitis. Allergology International, 2012, 61, 171-174.	1.4	27
34	Changes in exercise capacity, muscle strength, and health-related quality of life in esophageal cancer patients undergoing esophagectomy. BMC Sports Science, Medicine and Rehabilitation, 2016, 8, 34.	0.7	26
35	Genetic determinants of risk in autoimmune pulmonary alveolar proteinosis. Nature Communications, 2021, 12, 1032.	5.8	26
36	ML-9, a myosin light chain kinase inhibitor, reduces intracellular Ca2+ concentration in guinea pig trachealis. European Journal of Pharmacology, 2004, 486, 325-333.	1.7	24

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37	Inhibition by the cold receptor agonists menthol and icilin of airway smooth muscle contraction. Pulmonary Pharmacology and Therapeutics, 2008, 21, 812-817.	1.1	23
38	Preoperative six-minute walk distance is associated with pneumonia after lung resection. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 277-283.	0.5	23
39	Prospective analysis of efficacy and safety of an individualized-midazolam-dosing protocol for sedation during prolonged bronchoscopy. Respiratory Investigation, 2014, 52, 153-159.	0.9	21
40	Endogenous catecholamine enhances the dysfunction of unfolded protein response and Î±-synuclein oligomerization in PC12 cells overexpressing human Î±-synuclein. Neuroscience Research, 2010, 66, 124-130.	1.0	20
41	Cyclic stretch enhances reorientation and differentiation of 3-D culture model of human airway smooth muscle. Biochemistry and Biophysics Reports, 2018, 16, 32-38.	0.7	20
42	Respiratory mechanics measured by forced oscillation technique in rheumatoid arthritis-related pulmonary abnormalities: frequency-dependence, heterogeneity and effects of smoking. SpringerPlus, 2016, 5, 335.	1.2	19
43	Ion transport regulated by protease-activated receptor 2 in human airway Calu-3 epithelia. British Journal of Pharmacology, 2005, 146, 397-407.	2.7	18
44	Influence of cheek support on respiratory impedance measured by forced oscillation technique. SpringerPlus, 2013, 2, 342.	1.2	18
45	Endobronchial ultrasound transbronchial needle aspiration in older people. Geriatrics and Gerontology International, 2013, 13, 986-992.	0.7	17
46	Antineutrophil Cytoplasmic Antibody-associated Vasculitis Superimposed on Infection-related Glomerulonephritis Secondary to Pulmonary Mycobacterium avium Complex Infection. Internal Medicine, 2016, 55, 2439-2445.	0.3	15
47	Preoperative six-minute walk distance as a predictor of postoperative complication in patients with esophageal cancer. Ecological Management and Restoration, 2020, 33, .	0.2	14
48	Smoking Cessation as a Possible Risk Factor for the Development of Aspirin-Exacerbated Respiratory Disease in Smokers. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 116-125.e3.	2.0	13
49	Thalidomide Attenuates Airway Hyperresponsiveness and Eosinophilic Inflammation in a Murine Model of Allergic Asthma. Biological and Pharmaceutical Bulletin, 2010, 33, 1028-1032.	0.6	12
50	Cognitive and behavioral status in Japanese ALS patients: a multicenter study. Journal of Neurology, 2020, 267, 1321-1330.	1.8	12
51	Exercise hypoxaemia as a predictor of pulmonary hypertension in COPD patients without severe resting hypoxaemia. Respirology, 2017, 22, 120-125.	1.3	11
52	Heterologous regulation of anion transporters by menthol in human airway epithelial cells. European Journal of Pharmacology, 2010, 635, 204-211.	1.7	10
53	Association between chest computed tomography findings and respiratory adverse events in rheumatoid arthritis patients undergoing longâ€term biological therapy. International Journal of Rheumatic Diseases, 2019, 22, 626-635.	0.9	10
54	Aqueous fraction of Sauropus androgynus might be responsible for bronchiolitis obliterans. Respirology, 2013, 18, 340-347.	1.3	9

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55	Japanese version of the ALS-FTD-Questionnaire (ALS-FTD-Q-J). Journal of the Neurological Sciences, 2016, 367, 51-55.	0.3	9
56	Cellular ATP release in the lung and airway. AIMS Biophysics, 2016, 3, 571-584.	0.3	8
57	Post-operative delayed ambulation after thymectomy is associated withpre-operative six-minute walk distance. Disability and Rehabilitation, 2018, 40, 1900-1905.	0.9	7
58	Inhalation Instructions in Asthma Pharmaceutical Care Clinic:. Iryo Yakugaku (Japanese Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	7
59	Real-time imaging of mechanically and chemically induced ATP release in human lung fibroblasts. Respiratory Physiology and Neurobiology, 2017, 242, 96-101.	0.7	6
60	Small cell lung cancer and interstitial pneumonia associated with antiâ€transcriptional intermediary factorâ€1Î³â€positive dermatomyositis. Respirology Case Reports, 2019, 7, e00412.	0.3	6
61	Successful Treatment with High-dose Steroids for Acute Exacerbation of Idiopathic Pulmonary Fibrosis Triggered by COVID-19. Internal Medicine, 2022, 61, 233-236.	0.3	6
62	Capsaicinoids Regulate Airway Anion Transporters through Rho Kinaseâ€“ and Cyclic AMPâ€“Dependent Mechanisms. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 684-691.	1.4	5
63	Two cases of autoimmune pulmonary alveolar proteinosis with rheumatoid arthritis. Allergology International, 2017, 66, 507-509.	1.4	5
64	Nongenomic Effects of Fluticasone Propionate and Budesonide on Human Airway Anion Secretion. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 645-651.	1.4	4
65	Responsiveness to bronchodilator procaterol in COPD as assessed by forced oscillation technique. Respiratory Physiology and Neurobiology, 2017, 240, 41-47.	0.7	3
66	Longitudinal changes in pulmonary function and respiratory impedance of rheumatoid arthritis. Respiratory Physiology and Neurobiology, 2019, 261, 1-8.	0.7	2
67	Stretch-activated calcium mobilization in airway smooth muscle and pathophysiology of asthma. Current Opinion in Physiology, 2021, 21, 65-70.	0.9	2
68	Combination Treatment of Perioperative Rehabilitation and Psychoeducation Undergoing Thoracic Surgery. Case Reports in Medicine, 2017, 2017, 1-6.	0.3	1
69	Preoperative evaluation of six-minute walk test in patients with malignant pleural mesothelioma. Cogent Medicine, 2017, 4, 1421007.	0.7	1
70	A case with overlapping features of IgG4-related autoimmune pancreatitis, SjÃ¶grenâ€™s syndrome and anti-aminoacyl-tRNA synthetase syndrome. Modern Rheumatology Case Reports, 2021, 5, 82-86.	0.3	1
71	A case of acute inhalation injury caused by premeditated chlorine gas exposure. Respirology Case Reports, 2021, 9, e00743.	0.3	1
72	Bronchial carcinoid tumor managed with bronchial artery embolization before endobronchial resection: A case report. Thoracic Cancer, 2021, 12, 2134-2137.	0.8	1

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73	Role of RhoA/Rho-kinase and Calcium Sensitivity in Airway Smooth Muscle Functions. , 2014, , 285-307.		1
74	An Elderly Case of Lung Adenocarcinoma with an Epidermal Growth Factor Receptor Gene L861Q Mutation Which Was Successfully Treated with Osimertinib. Japanese Journal of Lung Cancer, 2020, 60, 411-415.	0.0	1
75	Mechanical Stretch and Cytokine Synthesis in Pulmonary Endothelial Cells. , 2012, , 165-187.		1
76	Lumbar Spinal Nerve Root Hypertrophy in Waldenstoem's Macroglobulinemia-associated Polyneuropathy with Antisulphated Glucuronyl Paragloboside Antibody. Internal Medicine, 2009, 48, 1779-1780.	0.3	0
77	Mechanical Stretch Enhances IL-8 Production Via P38 Activation In Human Pulmonary Microvascular Endothelial Cells. , 2010, , .		0
78	Airway Basophils Are Activated and Associated with Eosinophilic Inflammation in Asthmatic Patients. Journal of Allergy and Clinical Immunology, 2016, 137, AB77.	1.5	0
79	Long-term good outcome of the fibrocavitary form of pulmonary Mycobacterium avium complex disease with concomitant abatacept monotherapy in a patient with rheumatoid arthritis. Modern Rheumatology Case Reports, 2021, , .	0.3	0
80	Neutralizing capacity of autoantibody against GM-CSF in patients with autoimmune pulmonary alveolar proteinosis. , 2018, , .		0
81	Effectiveness of Inhalation Therapy Support by Pharmacists for Symptoms and Lung Function in Chronic Obstructive Pulmonary Disease Patients. Iryo Yakugaku (Japanese Journal of Pharmaceutical) Tj ETQq1 1 0.784314 rgBT /Ove		0
82	A Case of Coccidioidomycosis Diagnosed by Transbronchial Lung Biopsy. The Journal of the Japanese Society of Internal Medicine, 2019, 108, 2161-2167.	0.0	0
83	ï¼œEditors' Choiceï¼ž Effects of high-flow nasal cannula oxygen therapy on oral intake of do-not-intubate patients with respiratory diseases. Nagoya Journal of Medical Science, 2021, 83, 509-522.	0.6	0