

# Satoru Ito

## List of Publications by Year in descending order

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83  
papers

2,831  
citations

172457

29  
h-index

182427

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. <i>Journal of Applied Physiology</i> , 2005, 98, 1892-1899.	2.5	263
2	Mechanical interactions between collagen and proteoglycans: implications for the stability of lung tissue. <i>Journal of Applied Physiology</i> , 2005, 98, 672-679.	2.5	221
3	cAMP regulation of airway smooth muscle function. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 112-120.	2.6	177
4	Mechanics, nonlinearity, and failure strength of lung tissue in a mouse model of emphysema: possible role of collagen remodeling. <i>Journal of Applied Physiology</i> , 2005, 98, 503-511.	2.5	122
5	Role of RhoA Inactivation in Reduced Cell Proliferation of Human Airway Smooth Muscle by Simvastatin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 722-729.	2.9	121
6	Tissue heterogeneity in the mouse lung: effects of elastase treatment. <i>Journal of Applied Physiology</i> , 2004, 97, 204-212.	2.5	106
7	Matrix stiffness regulates migration of human lung fibroblasts. <i>Physiological Reports</i> , 2017, 5, e13281.	1.7	90
8	Ion channel regulation of intracellular calcium and airway smooth muscle function. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009, 22, 388-397.	2.6	85
9	Sphingosine 1-Phosphate Causes Airway Hyper-Reactivity by Rho-Mediated Myosin Phosphatase Inactivation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 766-773.	2.5	82
10	Airway smooth muscle in asthma: Linking contraction and mechanotransduction to disease pathogenesis and remodelling. <i>Pulmonary Pharmacology and Therapeutics</i> , 2014, 29, 96-107.	2.6	76
11	Possible involvement of Rho kinase in Ca <sup>2+</sup> sensitization and mobilization by MCh in tracheal smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L1218-L1224.	2.9	71
12	Mechanical stretch enhances IL-8 production in pulmonary microvascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 531-536.	2.1	70
13	Regulation of Capacitative and Noncapacitative Receptor-Operated Ca <sup>2+</sup> Entry by Rho-Kinase in Tracheal Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 26, 491-498.	2.9	64
14	Actin Cytoskeleton Regulates Stretch-Activated Ca <sup>2+</sup> Influx in Human Pulmonary Microvascular Endothelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 26-34.	2.9	62
15	Microtubule Dynamics Regulate Cyclic Stretch-Induced Cell Alignment in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2011, 6, e26384.	2.5	62
16	Regulation of PD-L1 expression by matrix stiffness in lung cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2344-2349.	2.1	62
17	A Novel Ca <sup>2+</sup> Influx Pathway Activated by Mechanical Stretch in Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 407-413.	2.9	57
18	Early Emphysema in the Tight Skin and Pallid Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 34, 688-694.	2.9	51

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19	Role of Lysophosphatidylcholine in the Desensitization of $\hat{I}^2$ -Adrenergic Receptors by $Ca^{2+}$ Sensitization in Tracheal Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 25, 291-298.	2.9	49
20	STIM1 Regulates Platelet-Derived Growth Factor-Induced Migration and $Ca^{2+}$ Influx in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2012, 7, e45056.	2.5	43
21	Preoperative 6-minute walk distance accurately predicts postoperative complications after operations for hepato-pancreato-biliary cancer. <i>Surgery</i> , 2017, 161, 525-532.	1.9	43
22	Viscoelastic and dynamic nonlinear properties of airway smooth muscle tissue: roles of mechanical force and the cytoskeleton. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L1227-L1237.	2.9	42
23	Real-Time Imaging of ATP Release Induced by Mechanical Stretch in Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 772-782.	2.9	42
24	Effects of heterogeneities on the partitioning of airway and tissue properties in normal mice. <i>Journal of Applied Physiology</i> , 2007, 102, 859-869.	2.5	38
25	Factors Affecting the Diagnostic Yield of Transbronchial Biopsy Using Endobronchial Ultrasonography with a Guide Sheath in Peripheral Lung Cancer. <i>Internal Medicine</i> , 2016, 55, 1705-1712.	0.7	38
26	Prostaglandin E2 enhances interleukin-8 production via EP4 receptor in human pulmonary microvascular endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L266-L273.	2.9	33
27	Differential Regulation of Airway Smooth Muscle Cell Migration by E-Prostanoid Receptor Subtypes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 322-329.	2.9	33
28	$Ca^{2+}$ influx and ATP release mediated by mechanical stretch in human lung fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 101-105.	2.1	33
29	Roles of stretch-activated cation channel and Rho-kinase in the spontaneous contraction of airway smooth muscle. <i>European Journal of Pharmacology</i> , 2006, 552, 135-142.	3.5	32
30	Regulation of endothelin-1-induced interleukin-6 production by $Ca^{2+}$ influx in human airway smooth muscle cells. <i>European Journal of Pharmacology</i> , 2009, 605, 15-22.	3.5	31
31	Direct effects of hydrogen peroxide on airway smooth muscle tone: Roles of $Ca^{2+}$ influx and Rho-kinase. <i>European Journal of Pharmacology</i> , 2007, 556, 151-156.	3.5	29
32	Effects of specific prostanoid EP receptor agonists on cell proliferation and intracellular $Ca^{2+}$ concentrations in human airway smooth muscle cells. <i>European Journal of Pharmacology</i> , 2011, 659, 72-78.	3.5	27
33	Three Cases of Bronchial Asthma Preceding IgG4-Related Autoimmune Pancreatitis. <i>Allergy International</i> , 2012, 61, 171-174.	3.3	27
34	Changes in exercise capacity, muscle strength, and health-related quality of life in esophageal cancer patients undergoing esophagectomy. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2016, 8, 34.	1.7	26
35	Genetic determinants of risk in autoimmune pulmonary alveolar proteinosis. <i>Nature Communications</i> , 2021, 12, 1032.	12.8	26
36	ML-9, a myosin light chain kinase inhibitor, reduces intracellular $Ca^{2+}$ concentration in guinea pig trachealis. <i>European Journal of Pharmacology</i> , 2004, 486, 325-333.	3.5	24

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37	Inhibition by the cold receptor agonists menthol and icilin of airway smooth muscle contraction. <i>Pulmonary Pharmacology and Therapeutics</i> , 2008, 21, 812-817.	2.6	23
38	Preoperative six-minute walk distance is associated with pneumonia after lung resection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 277-283.	1.1	23
39	Prospective analysis of efficacy and safety of an individualized-midazolam-dosing protocol for sedation during prolonged bronchoscopy. <i>Respiratory Investigation</i> , 2014, 52, 153-159.	1.8	21
40	Endogenous catecholamine enhances the dysfunction of unfolded protein response and $\alpha$ -synuclein oligomerization in PC12 cells overexpressing human $\alpha$ -synuclein. <i>Neuroscience Research</i> , 2010, 66, 124-130.	1.9	20
41	Cyclic stretch enhances reorientation and differentiation of 3-D culture model of human airway smooth muscle. <i>Biochemistry and Biophysics Reports</i> , 2018, 16, 32-38.	1.3	20
42	Respiratory mechanics measured by forced oscillation technique in rheumatoid arthritis-related pulmonary abnormalities: frequency-dependence, heterogeneity and effects of smoking. <i>SpringerPlus</i> , 2016, 5, 335.	1.2	19
43	Ion transport regulated by protease-activated receptor 2 in human airway Calu-3 epithelia. <i>British Journal of Pharmacology</i> , 2005, 146, 397-407.	5.4	18
44	Influence of cheek support on respiratory impedance measured by forced oscillation technique. <i>SpringerPlus</i> , 2013, 2, 342.	1.2	18
45	Endobronchial ultrasound transbronchial needle aspiration in older people. <i>Geriatrics and Gerontology International</i> , 2013, 13, 986-992.	1.5	17
46	Antineutrophil Cytoplasmic Antibody-associated Vasculitis Superimposed on Infection-related Glomerulonephritis Secondary to Pulmonary <i>Mycobacterium avium</i> Complex Infection. <i>Internal Medicine</i> , 2016, 55, 2439-2445.	0.7	15
47	Preoperative six-minute walk distance as a predictor of postoperative complication in patients with esophageal cancer. <i>Ecological Management and Restoration</i> , 2020, 33, .	0.4	14
48	Smoking Cessation as a Possible Risk Factor for the Development of Aspirin-Exacerbated Respiratory Disease in Smokers. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 116-125.e3.	3.8	13
49	Thalidomide Attenuates Airway Hyperresponsiveness and Eosinophilic Inflammation in a Murine Model of Allergic Asthma. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1028-1032.	1.4	12
50	Cognitive and behavioral status in Japanese ALS patients: a multicenter study. <i>Journal of Neurology</i> , 2020, 267, 1321-1330.	3.6	12
51	Exercise hypoxaemia as a predictor of pulmonary hypertension in COPD patients without severe resting hypoxaemia. <i>Respirology</i> , 2017, 22, 120-125.	2.3	11
52	Heterologous regulation of anion transporters by menthol in human airway epithelial cells. <i>European Journal of Pharmacology</i> , 2010, 635, 204-211.	3.5	10
53	Association between chest computed tomography findings and respiratory adverse events in rheumatoid arthritis patients undergoing long-term biological therapy. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 626-635.	1.9	10
54	Aqueous fraction of <i>Sauropus androgynus</i> might be responsible for bronchiolitis obliterans. <i>Respirology</i> , 2013, 18, 340-347.	2.3	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.	0.6	9
56	Cellular ATP release in the lung and airway. AIMS Biophysics, 2016, 3, 571-584.	0.6	8
57	Post-operative delayed ambulation after thymectomy is associated with pre-operative six-minute walk distance. Disability and Rehabilitation, 2018, 40, 1900-1905.	1.8	7
58	Inhalation Instructions in Asthma Pharmaceutical Care Clinic.: Iryo Yakugaku (Japanese Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	7
59	Real-time imaging of mechanically and chemically induced ATP release in human lung fibroblasts. Respiratory Physiology and Neurobiology, 2017, 242, 96-101.	1.6	6
60	Small cell lung cancer and interstitial pneumonia associated with anti- $\epsilon$ -transcriptional intermediary factor-1 $\beta$ positive dermatomyositis. Respirology Case Reports, 2019, 7, e00412.	0.6	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.	0.7	6
62	Capsaicinoids Regulate Airway Anion Transporters through Rho Kinase- and Cyclic AMP-Dependent Mechanisms. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 684-691.	2.9	5
63	Two cases of autoimmune pulmonary alveolar proteinosis with rheumatoid arthritis. Allergy International, 2017, 66, 507-509.	3.3	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.	2.9	4
65	Responsiveness to bronchodilator procaterol in COPD as assessed by forced oscillation technique. Respiratory Physiology and Neurobiology, 2017, 240, 41-47.	1.6	3
66	Longitudinal changes in pulmonary function and respiratory impedance of rheumatoid arthritis. Respiratory Physiology and Neurobiology, 2019, 261, 1-8.	1.6	2
67	Stretch-activated calcium mobilization in airway smooth muscle and pathophysiology of asthma. Current Opinion in Physiology, 2021, 21, 65-70.	1.8	2
68	Combination Treatment of Perioperative Rehabilitation and Psychoeducation Undergoing Thoracic Surgery. Case Reports in Medicine, 2017, 2017, 1-6.	0.7	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, Sjögren's syndrome and anti-aminoacyl-tRNA synthetase syndrome. Modern Rheumatology Case Reports, 2021, 5, 82-86.	0.7	1
71	A case of acute inhalation injury caused by premeditated chlorine gas exposure. Respirology Case Reports, 2021, 9, e00743.	0.6	1
72	Bronchial carcinoid tumor managed with bronchial artery embolization before endobronchial resection: A case report. Thoracic Cancer, 2021, 12, 2134-2137.	1.9	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.	0.1	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.	0.7	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.	2.9	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, , .	0.7	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 0.084314 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	Editors' Choice 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.	0.3	0