

Shigeo Muro

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,345
citations

218677

26
h-index

149698

56
g-index

90
all docs

90
docs citations

90
times ranked

3924
citing authors

#	ARTICLE	IF	CITATIONS
1	Computed Tomographic Measurements of Airway Dimensions and Emphysema in Smokers. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1102-1108.	5.6	637
2	Generation of Alveolar Epithelial Spheroids via Isolated Progenitor Cells from Human Pluripotent Stem Cells. Stem Cell Reports, 2014, 3, 394-403.	4.8	260
3	CT Scan Findings of Emphysema Predict Mortality in COPD. Chest, 2010, 138, 635-640.	0.8	228
4	Directed Induction of Functional Multi-ciliated Cells in Proximal Airway Epithelial Spheroids from Human Pluripotent Stem Cells. Stem Cell Reports, 2016, 6, 18-25.	4.8	201
5	Long-term expansion of alveolar stem cells derived from human iPS cells in organoids. Nature Methods, 2017, 14, 1097-1106.	19.0	198
6	Impact of Exacerbations on Emphysema Progression in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1653-1659.	5.6	153
7	Quantitative Assessment of Erector Spinae Muscles in Patients with Chronic Obstructive Pulmonary Disease. Novel Chest Computed Tomography-derived Index for Prognosis. Annals of the American Thoracic Society, 2016, 13, 334-341.	3.2	142
8	Relationship Between Pulmonary Emphysema and Osteoporosis Assessed by CT in Patients With COPD. Chest, 2008, 134, 1244-1249.	0.8	137
9	Effects of obstructive sleep apnea syndrome on serum aminotransferase levels in obese patients. American Journal of Medicine, 2003, 114, 370-376.	1.5	120
10	Emphysema detected on computed tomography and risk of lung cancer: A systematic review and meta-analysis. Lung Cancer, 2012, 77, 58-63.	2.0	92
11	Thioredoxin-1 Ameliorates Cigarette Smoke-Induced Lung Inflammation and Emphysema in Mice. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 380-388.	2.5	78
12	Morphological mechanism of the development of pulmonary emphysema in klotho mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2361-2365.	7.1	64
13	Impact of COPD Exacerbations on Osteoporosis Assessed by Chest CT Scan. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 235-242.	1.6	58
14	Matrix metalloproteinase-10: a novel biomarker for idiopathic pulmonary fibrosis. Respiratory Research, 2015, 16, 120.	3.6	52
15	Association of COPD exacerbation frequency with gene expression of pattern recognition receptors in inflammatory cells in induced sputum. Clinical Respiratory Journal, 2016, 10, 11-21.	1.6	50
16	Breathing-swallowing discoordination is associated with frequent exacerbations of COPD. BMJ Open Respiratory Research, 2017, 4, e000202.	3.0	38
17	Emphysema distribution and annual changes in pulmonary function in male patients with chronic obstructive pulmonary disease. Respiratory Research, 2012, 13, 31.	3.6	35
18	Clinical significance of radiological pleuroparenchymal fibroelastosis pattern in interstitial lung disease patients registered for lung transplantation: a retrospective cohort study. Respiratory Research, 2018, 19, 162.	3.6	35

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19	Correlation between eosinophil count, its genetic background and body mass index: The Nagahama Study. <i>Allergology International</i> , 2020, 69, 46-52.	3.3	35
20	Smoking attenuates the age-related decrease in IgE levels and maintains eosinophilic inflammation. <i>Clinical and Experimental Allergy</i> , 2012, 43, n/a-n/a.	2.9	34
21	p38 mitogen-activated protein kinase determines the susceptibility to cigarette smoke-induced emphysema in mice. <i>BMC Pulmonary Medicine</i> , 2014, 14, 79.	2.0	34
22	Relationship Between Intermittent Hypoxia and Type 2 Diabetes in Sleep Apnea Syndrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4756.	4.1	34
23	Three missense variants of metabolic syndrome-related genes are associated with alpha-1 antitrypsin levels. <i>Nature Communications</i> , 2015, 6, 7754.	12.8	32
24	Quantitative measurement of airway dimensions using ultra-high resolution computed tomography. <i>Respiratory Investigation</i> , 2018, 56, 489-496.	1.8	31
25	Associations of airway tree to lung volume ratio on computed tomography with lung function and symptoms in chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2019, 20, 77.	3.6	30
26	Longitudinal shape irregularity of airway lumen assessed by CT in patients with bronchial asthma and COPD. <i>Thorax</i> , 2015, 70, 719-724.	5.6	27
27	Thioredoxin-1 Protects against Neutrophilic Inflammation and Emphysema Progression in a Mouse Model of Chronic Obstructive Pulmonary Disease Exacerbation. <i>PLoS ONE</i> , 2013, 8, e79016.	2.5	26
28	Combined association of clinical and lifestyle factors with non-restorative sleep: The Nagahama Study. <i>PLoS ONE</i> , 2017, 12, e0171849.	2.5	24
29	Longitudinal Study of Spatially Heterogeneous Emphysema Progression in Current Smokers with Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2012, 7, e44993.	2.5	23
30	Gastroesophageal Reflux Disease Symptoms and Dietary Behaviors are Significant Correlates of Short Sleep Duration in the General Population: The Nagahama Study. <i>Sleep</i> , 2014, 37, 1809-1815.	1.1	22
31	Effects of acupuncture on nutritional state of patients with stable chronic obstructive pulmonary disease (COPD): re-analysis of COPD acupuncture trial, a randomized controlled trial. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 287.	3.7	21
32	Per cent low attenuation volume and fractal dimension of low attenuation clusters on CT predict different long-term outcomes in COPD. <i>Thorax</i> , 2020, 75, 116-122.	5.6	21
33	Knee Pain and Low Back Pain Additively Disturb Sleep in the General Population: A Cross-Sectional Analysis of the Nagahama Study. <i>PLoS ONE</i> , 2015, 10, e0140058.	2.5	20
34	Serine Protease Imbalance in the Small Airways and Development of Centrilobular Emphysema in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 67-78.	2.9	20
35	Accelerated Loss of Antigravity Muscles Is Associated with Mortality in Patients with COPD. <i>Respiration</i> , 2020, 99, 298-306.	2.6	20
36	Associations of CT evaluations of antigravity muscles, emphysema and airway disease with longitudinal outcomes in patients with COPD. <i>Thorax</i> , 2021, 76, 295-297.	5.6	16

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37	Relationship Among Chlamydia and Mycoplasma Pneumoniae Seropositivity, IKZF1 Genotype and Chronic Obstructive Pulmonary Disease in A General Japanese Population. <i>Medicine (United States)</i> , 2016, 95, e3371.	1.0	15
38	Fractal analysis of low attenuation clusters on computed tomography in chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , 2018, 18, 144.	2.0	15
39	Gastroesophageal reflux symptoms and nasal symptoms affect the severity of bronchitis symptoms in patients with chronic obstructive pulmonary disease. <i>Respiratory Investigation</i> , 2018, 56, 230-237.	1.8	14
40	Complementary regional heterogeneity information from COPD patients obtained using oxygen-enhanced MRI and chest CT. <i>PLoS ONE</i> , 2018, 13, e0203273.	2.5	14
41	CT Imaging-Based Low-Attenuation Super Clusters in Three Dimensions and the Progression of Emphysema. <i>Chest</i> , 2019, 155, 79-87.	0.8	14
42	Indacaterol/glycopyrronium versus tiotropium or glycopyrronium in long-acting bronchodilator-naïve COPD patients: A pooled analysis. <i>Respirology</i> , 2020, 25, 393-400.	2.3	13
43	Emphysema and airway disease affect within-breath changes in respiratory resistance in COPD patients. <i>Respirology</i> , 2015, 20, 775-781.	2.3	12
44	Remarkable response of non-small cell lung cancer to nintedanib treatment in a patient with idiopathic pulmonary fibrosis. <i>Thoracic Cancer</i> , 2021, 12, 1457-1460.	1.9	12
45	Machine Learning Methods for the Diagnosis of Chronic Obstructive Pulmonary Disease in Healthy Subjects: Retrospective Observational Cohort Study. <i>JMIR Medical Informatics</i> , 2021, 9, e24796.	2.6	12
46	Survival impact of treatment for chronic obstructive pulmonary disease in patients with advanced non-small-cell lung cancer. <i>Scientific Reports</i> , 2021, 11, 23677.	3.3	12
47	Role of mitochondrial hydrogen peroxide induced by intermittent hypoxia in airway epithelial wound repair in vitro. <i>Experimental Cell Research</i> , 2016, 344, 143-151.	2.6	10
48	Asymmetry in acute exacerbation of idiopathic pulmonary fibrosis. <i>ERJ Open Research</i> , 2017, 3, 00036-2016.	2.6	10
49	The balance of comprehensive coagulation and fibrinolytic potential is disrupted in patients with moderate to severe COVID-19. <i>International Journal of Hematology</i> , 2022, 115, 826-837.	1.6	10
50	Interdependence of physical inactivity, loss of muscle mass and low dietary intake: Extrapulmonary manifestations in older chronic obstructive pulmonary disease patients. <i>Geriatrics and Gerontology International</i> , 2018, 18, 88-94.	1.5	9
51	Prospective nationwide multicentre cohort study of the clinical significance of autoimmune features in idiopathic interstitial pneumonias. <i>Thorax</i> , 2022, 77, 143-153.	5.6	9
52	CONQUEST Quality Standards: For the Collaboration on Quality Improvement Initiative for Achieving Excellence in Standards of COPD Care. <i>International Journal of COPD</i> , 2021, Volume 16, 2301-2322.	2.3	9
53	Redox Regulation in Aging Lungs and Therapeutic Implications of Antioxidants in COPD. <i>Antioxidants</i> , 2021, 10, 1429.	5.1	9
54	Annual decline in arterial blood oxygen predicts development of chronic respiratory failure in COPD with mild hypoxaemia: A 6-year follow-up study. <i>Respirology</i> , 2019, 24, 262-269.	2.3	8

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55	Efficacy of budesonide/glycopyrronium/formoterol metered dose inhaler in patients with COPD: post-hoc analysis from the KRONOS study excluding patients with airway reversibility and high eosinophil counts. <i>Respiratory Research</i> , 2021, 22, 187.	3.6	8
56	The prevalence and physiological impacts of centrilobular and paraseptal emphysema on computed tomography in smokers with preserved ratio impaired spirometry. <i>ERJ Open Research</i> , 2022, 8, 00063-2022.	2.6	8
57	Perspectives on End-of-Life Treatment among Patients with COPD: A Multicenter, Cross-sectional Study in Japan. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2019, 16, 75-81.	1.6	7
58	Chondroitin sulfate in tissue remodeling: Therapeutic implications for pulmonary fibrosis. <i>Respiratory Investigation</i> , 2021, 59, 576-588.	1.8	7
59	Effects of Hydrostatic Pressure on Carcinogenic Properties of Epithelia. <i>PLoS ONE</i> , 2015, 10, e0145522.	2.5	6
60	Human Adipose-Derived Mesenchymal Stem Cells Ameliorate Elastase-Induced Emphysema in Mice by Mesenchymalâ€“Epithelial Transition. <i>International Journal of COPD</i> , 2021, Volume 16, 2783-2793.	2.3	6
61	The Concavity of the Maximal Expiratory Flowâ€“Volume Curve Reflects the Extent of Emphysema in Obstructive Lung Diseases. <i>Scientific Reports</i> , 2019, 9, 13159.	3.3	4
62	Regional lung deflation with increased airway volume underlies the functional response to bronchodilators in chronic obstructive pulmonary disease. <i>Physiological Reports</i> , 2019, 7, e14330.	1.7	4
63	Low serum free light chain is associated with risk of COPD exacerbation. <i>ERJ Open Research</i> , 2020, 6, 00288-2019.	2.6	4
64	Real-world effectiveness of early intervention with fixed-dose tiotropium/olodaterol vs tiotropium in Japanese patients with COPD: a high-dimensional propensity scoreâ€“matched cohort analysis. <i>Respiratory Research</i> , 2021, 22, 180.	3.6	4
65	Improvement of peripheral neuropathy in a patient with antineutrophil cytoplasmic antibody-negative eosinophilic granulomatosis with polyangiitis by additional mepolizumab. <i>Allergy, Asthma and Clinical Immunology</i> , 2022, 18, 14.	2.0	4
66	Disproportionally Impaired Diffusion Capacity Relative to Airflow Limitation in COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2020, 17, 627-634.	1.6	3
67	Gastroesophageal reflux disease is a risk factor for sputum production in the general population: the Nagahama study. <i>Respiratory Research</i> , 2021, 22, 6.	3.6	3
68	Endovascular therapy for cerebral infarction due to Trousseau syndrome in a patient with non-small cell lung cancer. <i>Respiratory Medicine Case Reports</i> , 2021, 34, 101531.	0.4	3
69	Duodenal Metastasis of Pulmonary Pleomorphic Carcinoma: A Case Report. <i>Case Reports in Oncology</i> , 2022, 14, 1511-1515.	0.7	3
70	CONQUEST: A Quality Improvement Program for Defining and Optimizing Standards of Care for Modifiable High-Risk COPD Patients. <i>Patient Related Outcome Measures</i> , 0, Volume 13, 53-68.	1.2	3
71	Loeys-Dietz Syndrome Presenting with Giant Bullae and Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 2058-2059.	3.8	2
72	Gender Differences in Smoking Initiation and Cessation Associated with the Intergenerational Transfer of Smoking across Three Generations: The Nagahama Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1511.	2.6	2

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73	A rare case of urachal carcinoma with multiple lung metastasis that required differentiation from primary lung carcinoma. <i>Respirology Case Reports</i> , 2022, 10, e0890.	0.6	2
74	Potential patient screening for late-onset Pompe disease in suspected sleep apnea: a rationale and study design for a Prospective Multicenter Observational Cohort Study in Japan (PSSAP-J Study). <i>Sleep and Breathing</i> , 2021, 25, 695-704.	1.7	1
75	Adrenal insufficiency in immunochemotherapy for small-cell lung cancer with ectopic ACTH syndrome. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2021, 2021, .	0.5	1
76	1. COPD and Comorbidities. <i>The Journal of the Japanese Society of Internal Medicine</i> , 2016, 105, 957-962.	0.0	1
77	Physiological Impairments on Respiratory Oscillometry and Future Exacerbations in Chronic Obstructive Pulmonary Disease Patients without a History of Frequent Exacerbations. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2022, 19, 149-157.	1.6	1
78	Tocilizumab and Baricitinib for Recovery From Acute Exacerbation of Combined Pulmonary Fibrosis and Emphysema Secondary to COVID-19 Infection: A Case Report. <i>Cureus</i> , 2022, 14, e23411.	0.5	1
79	Non-respiratory symptom dominance is associated with depression in patients with chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2022, , 106895.	2.9	1
80	Diabetes mellitus and metabolic syndrome in patients with airflow limitation in Japan. <i>Respiratory Investigation</i> , 2018, 56, 203-204.	1.8	0
81	Assessment of the rapid effect of dupilumab in two cases of severe asthma comorbid with recurrent eosinophilic chronic rhinosinusitis after endoscopic sinus surgery. <i>Respirology Case Reports</i> , 2021, 9, e00804.	0.6	0
82	Resting Breathing Instability During Wakefulness as a Predictor of Clinical Outcome in COPD. <i>Respiratory Care</i> , 2021, 66, 1477-1484.	1.6	0
83	Fractal dimension in CT low attenuation areas is predictive of long-term oxygen therapy initiation in COPD patients: Results from two observational cohort studies. <i>Respiratory Investigation</i> , 2021, 60, 137-137.	1.8	0
84	A case of diffuse aspiration bronchiolitis due to oesophageal stenosis after radiation therapy. <i>Respirology Case Reports</i> , 2021, 9, e0855.	0.6	0
85	Sjögren's Syndrome Complicated With Sarcoidosis With a Repetitive, Prolonged, Non-productive Cough. <i>Cureus</i> , 2022, 14, e22827.	0.5	0
86	Electroencephalographic findings after convulsive seizures due to cerebral arterial air embolism secondary to lung cancer: a case report. <i>Journal of Medical Case Reports</i> , 2022, 16, 137.	0.8	0
87	Quantitative computed tomography-based evaluation of skeletal muscle and presence of sarcopenia in patients with chronic obstructive pulmonary disease. <i>Respiratory Investigation</i> , 2022, , .	1.8	0
88	0757 Cluster Analysis for Identifying Good CPAP Adherence Using the PSG Parameters and Patient Characteristics. <i>Sleep</i> , 2022, 45, A329-A330.	1.1	0