Giuseppe Lungarella

List of Publications by Year in descending order

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124 papers 4,522 citations

36 h-index 64 g-index

129 all docs

129 docs citations

times ranked

129

5315 citing authors

#	Article	IF	CITATIONS
1	Proteins as biomarkers of oxidative/nitrosative stress in diseases: The contribution of redox proteomics. Mass Spectrometry Reviews, 2005, 24, 55-99.	2.8	392
2	The preclinical pharmacology of roflumilast – A selective, oral phosphodiesterase 4 inhibitor in development for chronic obstructive pulmonary disease. Pulmonary Pharmacology and Therapeutics, 2010, 23, 235-256.	1.1	270
3	Roflumilast Fully Prevents Emphysema in Mice Chronically Exposed to Cigarette Smoke. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 848-853.	2.5	191
4	Extracellular Adenosine Triphosphate and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 928-934.	2.5	174
5	Expression of TNF and the Necessity of TNF Receptors in Bleomycin-Induced Lung Injury in Mice. Experimental Lung Research, 1998, 24, 721-743.	0.5	166
6	Different lung responses to cigarette smoke in two strains of mice sensitive to oxidants. European Respiratory Journal, 2005, 25, 15-22.	3.1	153
7	Connective tissue growth factor mRNA expression is upregulated in bleomycin-induced lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L365-L371.	1.3	146
8	Effects of Cigarette Smoke in Mice with Different Levels of \hat{l}_{\pm} ₁ -Proteinase Inhibitor and Sensitivity to Oxidants. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 886-890.	2.5	145
9	P2X ₇ Receptor Signaling in the Pathogenesis of Smoke-Induced Lung Inflammation and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 423-429.	1.4	130
10	Neutrophils Activate Macrophages for Intracellular Killing of <i>Leishmania major</i> through Recruitment of TLR4 by Neutrophil Elastase. Journal of Immunology, 2007, 179, 3988-3994.	0.4	128
11	Purinergic Receptor Inhibition Prevents the Development of Smoke-Induced Lung Injury and Emphysema. Journal of Immunology, 2010, 185, 688-697.	0.4	119
12	Upregulation of the p75 But Not the p55 TNF- α Receptor mRNA after Silica and Bleomycin Exposure and Protection from Lung Injury in Double Receptor Knockout Mice. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 825-833.	1.4	118
13	Superoxide dismutase protects against apoptosis and alveolar enlargement induced by ceramide. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L44-L53.	1.3	86
14	Substance P released by TRPV1-expressing neurons produces reactive oxygen species that mediate ethanol-induced gastric injury. Free Radical Biology and Medicine, 2007, 43, 581-589.	1.3	77
15	Hydrocephalus, bronchiectasis, and ciliary aplasia Archives of Disease in Childhood, 1990, 65, 543-544.	1.0	74
16	SARS-CoV-2 COVID-19 susceptibility and lung inflammatory storm by smoking and vaping. Journal of Inflammation, 2020, 17, 21.	1.5	73
17	The dual role of neutrophil elastase in lung destruction and repair. International Journal of Biochemistry and Cell Biology, 2008, 40, 1287-1296.	1.2	62
18	A 16-Month Study of the Development of Genetic Emphysema in Tight-Skin Mice. The American Review of Respiratory Disease, 1989, 139, 226-232.	2.9	59

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19	A Method to Study Kinetics of Transnitrosation with Nitrosoglutathione: Reactions with Hemoglobin and Other Thiols. Analytical Biochemistry, 1997, 254, 215-220.	1.1	59
20	Genetic Ablation of the <i>Fpr1</i> Gene Confers Protection from Smoking-Induced Lung Emphysema in Mice. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 332-339.	1.4	58
21	The saccharin method for testing mucociliary function in patients suspected of having primary ciliary dyskinesia. Pediatric Pulmonology, 1988, 5, 210-214.	1.0	55
22	Is neutrophil elastase the missing link between emphysema and fibrosis? Evidence from two mouse models. Respiratory Research, 2005, 6, 83.	1.4	54
23	Systemic Inhibition of NF-κB Activation Protects from Silicosis. PLoS ONE, 2009, 4, e5689.	1.1	54
24	Pulmonary vascular injury in pancreatitis: Evidence for a major role played by pancreatic elastase. Experimental and Molecular Pathology, 1985, 42, 44-59.	0.9	53
25	Tumor Necrosis Factor Receptor Deficiency Alters Matrix Metalloproteinase 13/Tissue Inhibitor of Metalloproteinase 1 Expression in Murine Silicosis. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 244-252.	2.5	53
26	Elastin Production and Degradation in Cutis Laxa Acquisita. Journal of Investigative Dermatology, 1994, 103, 583-588.	0.3	51
27	Human SLPI inactivation after cigarette smoke exposure in a new in vivo model of pulmonary oxidative stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L412-L417.	1.3	50
28	Urinary desmosine excretion is inversely correlated with the extent of emphysema in patients with chronic obstructive pulmonary disease. International Journal of Biochemistry and Cell Biology, 2002, 34, 594-604.	1.2	49
29	Early response to bleomycin is characterized by different cytokine and cytokine receptor profiles in lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1186-L1192.	1.3	45
30	Neutrophil lysosomal dysfunctions in mutant C57 Bl/6J mice: interstrain variations in content of lysosomal elastase, cathepsin G and their inhibitors. Biochemical Journal, 1994, 299, 237-245.	1.7	44
31	Iron overload enhances the development of experimental liver cirrhosis in mice. International Journal of Biochemistry and Cell Biology, 2003, 35, 486-495.	1.2	43
32	Abnormalities of bronchial cilia in patients with chronic bronchitis. Lung, 1983, 161, 147-156.	1.4	41
33	Identification of elastase in human eosinophils: Immunolocalization, isolation, and partial characterization. Archives of Biochemistry and Biophysics, 1992, 292, 128-135.	1.4	38
34	Lung Injury and Degradation of Extracellular Matrix Components by Aspergillus Fumigatus Serine Proteinase. Experimental Lung Research, 1998, 24, 233-251.	0.5	38
35	Effect of roflumilast on inflammatory cells in the lungs of cigarette smoke-exposed mice. BMC Pulmonary Medicine, 2008, 8, 17.	0.8	38
36	A biochemical and morphological investigation of the early development of genetic emphysema in tight-skin mice. Experimental and Molecular Pathology, 1989, 50, 398-410.	0.9	37

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37	UVA Light Stimulates the Production of Cathepsin G and Elastase-Like Enzymes by Dermal Fibroblasts: A Possible Contribution to the Remodeling of Elastotic Areas in Sun-Damaged Skin. Biological Chemistry, 2002, 383, 199-206.	1.2	37
38	Ajulemic acid exerts potent anti-fibrotic effect during the fibrogenic phase of bleomycin lung. Respiratory Research, 2016, 17, 49.	1.4	37
39	Proteinase-Activated Receptor-2 Mediates Arterial Vasodilation in Diabetes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2349-2354.	1.1	36
40	Collagen phagocytosis by lung alveolar macrophages in animal models of emphysema. European Respiratory Journal, 2003, 22, 728-734.	3.1	34
41	Receptor for Advanced Glycation End Products Contributes to Postnatal Pulmonary Development and Adult Lung Maintenance Program in Mice. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 164-171.	1.4	32
42	Ultrastructure of lung elastin and collagen in mouse models of spontaneous emphysema. Matrix Biology, 1999, 18, 357-360.	1.5	31
43	A new mouse model of Peyronie's disease: An increased expression of hypoxia-inducible factor-1 target genes during the development of penile changes. International Journal of Biochemistry and Cell Biology, 2008, 40, 2638-2648.	1.2	30
44	Ultrastructural ciliary defects in children with recurrent infections of the lower respiratory tract. Pediatric Pulmonology, 1991, 10, 11-17.	1.0	29
45	The purinergic receptor subtype P2Y2 mediates chemotaxis of neutrophils and fibroblasts in fibrotic lung disease. Oncotarget, 2017, 8, 35962-35972.	0.8	28
46	P2Y6 Receptor Activation Promotes Inflammation and Tissue Remodeling in Pulmonary Fibrosis. Frontiers in Immunology, 2017, 8, 1028.	2.2	27
47	The pallid mouse. A model of genetic alpha 1-antitrypsin deficiency. Laboratory Investigation, 1993, 68, 233-41.	1.7	26
48	NTPDase1/CD39 and aberrant purinergic signalling in the pathogenesis of COPD. European Respiratory Journal, 2016, 47, 254-263.	3.1	25
49	Absence of Proteinase-Activated Receptor-1 Signaling in Mice Confers Protection from fMLP-Induced Goblet Cell Metaplasia. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 680-687.	1.4	24
50	Lung collagen synthesis and deposition in tight-skin mice with genetic emphysema. Experimental and Molecular Pathology, 1992, 56, 163-172.	0.9	23
51	Sarcopenia in Chronic Kidney Disease: Focus on Advanced Glycation End Products as Mediators and Markers of Oxidative Stress. Biomedicines, 2021, 9, 405.	1.4	23
52	Ultrastructural Abnormalities in Respiratory Cilia and Sperm Tails in a Patient with Kartagener's Syndrome. Ultrastructural Pathology, 1982, 3, 319-323.	0.4	22
53	Collagen breakdown products and lung collagen metabolism: an in vitro study on fibroblast cultures Thorax, 1994, 49, 312-318.	2.7	22
54	Ongoing Lung Inflammation and Disease Progression in Mice after Smoking Cessation. American Journal of Pathology, 2018, 188, 2195-2206.	1.9	22

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55	Early response of gene clusters is associated with mouse lung resistance or sensitivity to cigarette smoke. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L418-L429.	1.3	21
56	Neutrophil recruitment into the lungs is associated with increased lung elastase burden, decreased lung elastin, and emphysema in alpha 1 proteinase inhibitor-deficient mice. Laboratory Investigation, 1996, 75, 273-80.	1.7	21
57	Correlation between biochemical and morphological repair in rabbit lungs after elastase injury. Lung, 1980, 158, 165-171.	1.4	20
58	Metabolism of oxidants by blood from different mouse strains. Biochemical Pharmacology, 2006, 71, 1753-1764.	2.0	20
59	Crossâ€talk between tollâ€like receptor 4 (<scp>TLR</scp> 4) and proteinaseâ€activated receptor 2 (<scp>PAR</scp> ₂) is involved in vascular function. British Journal of Pharmacology, 2013, 168, 411-420.	2.7	20
60	TskMice with Genetic Emphysema: Right Ventricular Hypertrophy Occurs without Hypertrophy of Muscular Pulmonary Arteries or Muscularization of Arterioles. The American Review of Respiratory Disease, 1990, 142, 333-337.	2.9	19
61	Smoking p66Shc Knocked Out Mice Develop Respiratory Bronchiolitis with Fibrosis but Not Emphysema. PLoS ONE, 2015, 10, e0119797.	1.1	19
62	Severe Reduction in Number and Function of Peripheral T Cells Does Not Afford Protection toward Emphysema and Bronchial Remodeling Induced in Mice by Cigarette Smoke. American Journal of Pathology, 2016, 186, 1814-1824.	1.9	19
63	Ultrastructural Study of the Ciliated Cells from Renal Tubular Epithelium in Acute Progressive Glomerulonephritis. Ultrastructural Pathology, 1984, 6, 1-7.	0.4	17
64	Neutrophil Influx into the Lungs of Beige Mice Is Followed by Elastolytic Damage and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 264-269.	1.4	17
65	Pulmonary changes induced in rabbits by long-term exposure to n-hexane. Archives of Toxicology, 1984, 55, 224-228.	1.9	16
66	Models for COPD involving cigarette smoke. Drug Discovery Today: Disease Models, 2006, 3, 225-230.	1.2	16
67	Vulnerability and Genetic Susceptibility to Cigarette Smoke–Induced Emphysema in Mice. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 270-271.	1.4	16
68	Immunoelectron-microscopic demonstration of elastase in emphysematous lungs of tight-skin mice. Experimental and Molecular Pathology, 1989, 51, 18-30.	0.9	15
69	Neutrophils in Beige Mice Secrete Normal Amounts of Cathepsin G and a 46 kDa Latent Form of Elastase that Can Be Activated Extracellularly by Proteolytic Activity. Biological Chemistry, 1997, 378, 417-23.	1.2	15
70	Pulmonary hypertension in smoking mice over-expressing protease-activated receptor-2. European Respiratory Journal, 2011, 37, 823-834.	3.1	15
71	Synchrotron X-ray microscopy reveals early calcium and iron interaction with crocidolite fibers in the lung of exposed mice. Toxicology Letters, 2016, 241, 111-120.	0.4	15
72	Functional contribution of sphingosineâ€1â€phosphate to airway pathology in cigarette smokeâ€exposed mice. British Journal of Pharmacology, 2020, 177, 267-281.	2.7	15

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73	Lack of kinocilia in the nasal mucosa in the immotile-cilia syndrome. European Journal of Respiratory Diseases, 1982, 63, 558-63.	0.4	15
74	Cilia-lacking respiratory cells in ciliary aplasia. Biology of the Cell, 1988, 64, 67-70.	0.7	13
75	GFAP Is Expressed as a Major Soluble Pool Associated with Glucagon Secretory Granules in A-cells of Mouse Pancreas. Journal of Histochemistry and Cytochemistry, 2000, 48, 1233-1242.	1.3	13
76	Genetic Deletion and Pharmacological Inhibition of PI3K <i>\hat{I}^3</i> Reduces Neutrophilic Airway Inflammation and Lung Damage in Mice with Cystic Fibrosis-Like Lung Disease. Mediators of Inflammation, 2015, 2015, 1-10.	1.4	13
77	Elastolytic activity in rabbit leukocyte extracts. Effects of the whole leukocyte homogenate on the rabbit lung. Experimental and Molecular Pathology, 1979, 31, 486-491.	0.9	12
78	Atypical cilia in rabbit bronchial epithelial cells induced by elastase: An ultrastructural study. Journal of Pathology, 1980, 131, 379-383.	2.1	12
79	Detection of elastase activity with a zymogram method after isoelectric focusing in polyacrylamide gel. Analytical Biochemistry, 1984, 140, 472-477.	1.1	12
80	<p>Innate Immunity and Cell Surface Receptors in the Pathogenesis of COPD: Insights from Mouse Smoking Models</p> . International Journal of COPD, 2020, Volume 15, 1143-1154.	0.9	12
81	Serum antielastase deficiency in tight-skin mice with genetic emphysema. Experimental and Molecular Pathology, 1990, 52, 46-53.	0.9	11
82	Genetic deficiency of $\hat{l}\pm 1$ -PI in mice influences lung responses to bleomycin. European Respiratory Journal, 2001, 17, 474-480.	3.1	11
83	Neurokinin-1 Receptor Blockade and Murine Lung Tumorigenesis. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 674-683.	2.5	11
84	Ultrastructural observations on basal apparatus of respiratory cilia in immotile cilia syndrome. European Journal of Respiratory Diseases, 1985, 66, 165-72.	0.4	11
85	Effect of the Novel Synthetic Protease Inhibitor Furoyl Saccharin on Elastase-Induced Emphysema in Rabbits and Hamsters. Experimental Lung Research, 1986, 11, 35-47.	0.5	10
86	Cardiac Collagen Changes during the Development of Right Ventricular Hypertrophy in Tight-Skin Mice with Emphysema. Experimental and Molecular Pathology, 1994, 60, 100-107.	0.9	10
87	Differential thiol status in blood of different mouse strains exposed to cigarette smoke. Free Radical Research, 2009, 43, 538-545.	1.5	10
88	Purification and partial characterization of elastase activity from rat alveolar and peritoneal macrophages. Archives of Biochemistry and Biophysics, 1987, 259, 98-104.	1.4	7
89	Skeletal Muscle Oxidative Metabolism in an Animal Model of Pulmonary Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 198-203.	1.4	7
90	Alveolar Macrophage Phenotype and Compartmentalization Drive Different Pulmonary Changes in Mouse Strains Exposed to Cigarette Smoke. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2020, 17, 429-443.	0.7	7

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91	Response of lung enzyme activities in rabbits following short-term exposure ton-hexane: Correlation between morphological and biochemical changes. Agents and Actions, 1982, 12, 737-742.	0.7	6
92	Ultrastructural observations on morphogenesis of atypical cilia. Anatomischer Anzeiger, 1982, 151, 151-9.	0.1	6
93	A human SP-C promoter fragment targets $\hat{l}\pm 1$ -proteinase inhibitor gene expression to lung alveolar type II cells in transgenic mice. Transgenic Research, 1996, 5, 139-143.	1.3	5
94	In vivo stimulation of lung collagen synthesis by collagen derived peptides. Research Communications in Chemical Pathology and Pharmacology, 1990, 68, 89-101.	0.2	5
95	Isolation and partial characterization of rat elastolytic enzymes from various cells and tissues. Archives of Biochemistry and Biophysics, 1986, 250, 63-69.	1.4	4
96	Exacerbation of bleomycin-induced lung injury in mice by amifostine. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1239-L1244.	1.3	4
97	Histopathological data of iron and calcium in the mouse lung after asbestos exposure. Data in Brief, 2016, 6, 769-775.	0.5	4
98	Proteinase activated receptorâ€2 counterbalances the vascular effects of endothelinâ€1 in fibrotic tightâ€skin mice. British Journal of Pharmacology, 2017, 174, 4032-4042.	2.7	4
99	Effect of S-carboxymethylcysteine lysine salt on mucociliary clearance in rabbits with secretory cell metaplasia. Research Communications in Molecular Pathology and Pharmacology, 1994, 86, 59-74.	0.2	4
100	An elastolytic proteinase from rabbit leukocytes: Purification and partial characterization. Archives of Biochemistry and Biophysics, 1991, 290, 229-232.	1.4	3
101	Middermal Elastolysis: Dermal Fibroblasts Cooperate with Inflammatory Cells to the Elastolytic Disorder. Mediators of Inflammation, 2017, 2017, 1-8.	1.4	3
102	Dual Role for Proteases in Lung Inflammation. , 2011, , 123-144.		3
103	Development of interstitial lung fibrosis by long-term treatment with collagen breakdown products in rabbits. Research Communications in Chemical Pathology and Pharmacology, 1990, 68, 235-50.	0.2	3
104	Respiratory tract lesions induced in rabbits by short-term exposure to N-hexane. Research Communications in Chemical Pathology and Pharmacology, 1980, 29, 129-39.	0.2	3
105	Different Evolution of Emphysema in Two Strains of Mice with Similar Serum Antielastase Deficit. Annals of the New York Academy of Sciences, 1991, 624, 329-330.	1.8	2
106	Development of Cor Pulmonale in Tight-Skin Mice with Genetic Emphysema. Annals of the New York Academy of Sciences, 1991, 624, 345-347.	1.8	2
107	Models of Genetic Emphysema: The C57B1/6J Mice and their Mutants: Tight-Skin, Pallid and Beige. , 1999, , 19-36.		2
108	ULTRASTRUCTURAL EVIDENCE OF MUCOCILIARY FUNCTION IMPAIRMENT INDUCED BY ELASTASE. , 1981, 16 Suppl, 167-173.		2

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109	Genetic deficiency in alpha 1 proteinase inhibitor (alpha 1 PI) associated with emphysema. Laboratory Animal Science, 1998, 48, 460-2.	0.3	2
110	Purification and N-Terminal Amino-Acid Sequence Analysis of Rabbit Neutrophil Cathepsin G. Biological Chemistry Hoppe-Seyler, 1995, 376, 371-378.	1.4	1
111	Comments on "Air Space Distension Precedes Spontaneous Fibrotic Remodeling and Impaired Cholesterol Metabolism in the Absence of Surfactant Protein C― American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 398-399.	1.4	1
112	In Vivo Electroporation-Mediated, Intrahepatic Alpha1 Antitrypsin Gene Transfer Reduces Pulmonary Emphysema in Pallid Mice. Pharmaceutics, 2020, 12, 793.	2.0	1
113	Two mouse models for studying smokeâ€related interstitial lung diseases. FASEB Journal, 2006, 20, A1071.	0.2	1
114	Bromotrichloromethane-induced damage to bronchiolar Clara cells. Research Communications in Chemical Pathology and Pharmacology, 1987, 57, 213-28.	0.2	1
115	Chronic Exposure to Cigarette Smoke Induces Pulmonary Hypertension and Vascular Remodelling in Mice Over-Expressing Protease-Activated Receptor-2 (PAR-2), 2009,,.		0
116	Effects of Bone Marrow-Derived Stem Cell Administration in a Mouse Model of Lung Emphysema Induced by Cigarette Smoke , 2009, , .		0
117	sRAGE/mRAGE Imbalance Characterizes the Cigarette Smoke-Induced Lung Changes in Oxidant-Sensitive DBA/2 Mice, 2009, , .		0
118	A Role For ATP-signalling In The Pathogenesis Of COPD And Emphysema. , 2010, , .		0
119	Genetic Ablation Of The Fpr1 Gene Prevents Emphysema In Mice Chronically Exposed To Cigarette Smoke. , 2010, , .		0
120	FPR1 Blockade And Smoking-Induced Lung Emphysema In Mice. , 2012, , .		0
121	Chairs' Comments. Annals of the American Thoracic Society, 2016, 13, S279-S279.	1.5	0
122	Antiâ€Fibrotic Effect of Ajulemic Acid in Bleomycinâ€Induced Lung Fibrosis. FASEB Journal, 2015, 29, LB744.	0.2	0
123	T lymphocytes in cigarette-smoke induced-emphysema and bronchial remodelling. , 2016, , .		0
124	Cellular Senescence as Fibrogenic Mechanism in Smoking Lung. FASEB Journal, 2022, 36, .	0.2	0