

Jorge Boczkowski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120
papers

6,731
citations

48
h-index

79
g-index

139
ext. papers

7,355
ext. citations

6.7
avg, IF

5.37
L-index

#	Paper	IF	Citations
120	Anti-inflammatory effect of gold nanoparticles supported on metal oxides. <i>Scientific Reports</i> , 2021 , 11, 23129	4.9	2
119	Beclin-1 increases with obstructive sleep apnea severity. <i>Sleep Medicine</i> , 2021 , 81, 474-476	4.6	0
118	Macrophage autophagy protects mice from cerium oxide nanoparticle-induced lung fibrosis. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 6	8.4	3
117	Carbon Black Nanoparticles Selectively Alter Follicle-Stimulating Hormone Expression and in Female Mice.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 780698	5.1	
116	Targeting p16 Promotes Lipofibroblasts and Alveolar Regeneration after Early-Life Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1088-1104	10.2	3
115	Cigarette smoking induces human CCR6Th17 lymphocytes senescence and VEGF-A secretion. <i>Scientific Reports</i> , 2020 , 10, 6488	4.9	8
114	Pulmonary Effects of Adjusting Tidal Volume to Actual or Ideal Body Weight in Ventilated Obese Mice. <i>Scientific Reports</i> , 2018 , 8, 6439	4.9	8
113	Beclin1 circulating levels and accelerated aging markers in COPD. <i>Cell Death and Disease</i> , 2018 , 9, 156	9.8	5
112	Smoking, telomere length and lung function decline: a longitudinal population-based study. <i>Thorax</i> , 2018 , 73, 283-285	7.3	14
111	Substantial modification of the gene expression profile following exposure of macrophages to welding-related nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 8554	4.9	4
110	Are Systemic Manifestations Ascribable to COPD in Smokers? A Structural Equation Modeling Approach. <i>Scientific Reports</i> , 2018 , 8, 8569	4.9	3
109	mTOR pathway activation drives lung cell senescence and emphysema. <i>JCI Insight</i> , 2018 , 3,	9.9	86
108	Inflammatory Cellular Response to Mechanical Ventilation in Elastase-Induced Experimental Emphysema: Role of Preexisting Alveolar Macrophages Infiltration. <i>BioMed Research International</i> , 2018 , 2018, 5721293	3	1
107	Heme oxygenase-1 induction attenuates senescence in chronic obstructive pulmonary disease lung fibroblasts by protecting against mitochondria dysfunction. <i>Aging Cell</i> , 2018 , 17, e12837	9.9	30
106	Carbon nanotubes, but not spherical nanoparticles, block autophagy by a shape-related targeting of lysosomes in murine macrophages. <i>Autophagy</i> , 2018 , 14, 1323-1334	10.2	33
105	Pulmonary exposure to metallic nanomaterials during pregnancy irreversibly impairs lung development of the offspring. <i>Nanotoxicology</i> , 2017 , 11, 484-495	5.3	29
104	Noncanonical WNT-5A signaling impairs endogenous lung repair in COPD. <i>Journal of Experimental Medicine</i> , 2017 , 214, 143-163	16.6	82

103	Combined Effects of in Utero and Adolescent Tobacco Smoke Exposure on Lung Function in C57Bl/6J Mice. <i>Environmental Health Perspectives</i> , 2017 , 125, 392-399	8.4	18
102	Lack of Transcription Factor p53 Exacerbates Elastase-Induced Emphysema in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 188-99	5.7	5
101	Early signs of multi-walled carbon nanotubes degradation in macrophages, via an intracellular pH-dependent biological mechanism; importance of length and functionalization. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 61	8.4	8
100	Telomere Shortening in Middle-Aged Men with Sleep-disordered Breathing. <i>Annals of the American Thoracic Society</i> , 2016 , 13, 1136-43	4.7	16
99	Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. <i>Nanotoxicology</i> , 2016 , 10, 1535-1544	5.3	14
98	The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. <i>Archives of Toxicology</i> , 2015 , 89, 1543-56	5.8	6
97	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. <i>ACS Nano</i> , 2015 , 9, 7815-30	16.7	74
96	Permanent culture of macrophages at physiological oxygen attenuates the antioxidant and immunomodulatory properties of dimethyl fumarate. <i>Journal of Cellular Physiology</i> , 2015 , 230, 1128-38	7	17
95	Telomere Dysfunction and Cell Senescence in Chronic Lung Diseases: Therapeutic Potential. <i>Pharmacology & Therapeutics</i> , 2015 , 153, 125-34	13.9	33
94	Aging-related systemic manifestations in COPD patients and cigarette smokers. <i>PLoS ONE</i> , 2015 , 10, e0121539	3.7	26
93	Lung fibroblasts share mesenchymal stem cell features which are altered in chronic obstructive pulmonary disease via the overactivation of the Hedgehog signaling pathway. <i>PLoS ONE</i> , 2015 , 10, e0121579	3.7	10
92	Role for telomerase in pulmonary hypertension. <i>Circulation</i> , 2015 , 131, 742-755	16.7	29
91	Absence of the Adaptor Protein PEA-15 Is Associated with Altered Pattern of Th Cytokines Production by Activated CD4+ T Lymphocytes In Vitro, and Defective Red Blood Cell Alloimmune Response In Vivo. <i>PLoS ONE</i> , 2015 , 10, e0136885	3.7	5
90	The role of Kupffer cells in the hepatic response to silver nanoparticles. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 149-54	5.3	30
89	Role of metal oxide nanoparticles in histopathological changes observed in the lung of welders. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 23	8.4	61
88	Autophagy as a Possible Underlying Mechanism of Nanomaterial Toxicity. <i>Nanomaterials</i> , 2014 , 4, 548-582	5.4	42
87	COPD as a Disease of Premature Aging 2014 , 173-183		
86	P21-dependent protective effects of a carbon monoxide-releasing molecule-3 in pulmonary hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 304-12	9.4	32

85	Intracellular fate of carbon nanotubes inside murine macrophages: pH-dependent detachment of iron catalyst nanoparticles. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 24	8.4	26
84	Determinants of carbon nanotube toxicity. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 2063-9	18.5	153
83	Cellular and molecular mechanisms of goblet cell metaplasia in the respiratory airways. <i>Experimental Lung Research</i> , 2013 , 39, 207-16	2.3	51
82	Titanium dioxide nanoparticles induce matrix metalloprotease 1 in human pulmonary fibroblasts partly via an interleukin-1 β -dependent mechanism. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 354-63	5.7	25
81	Interplay between heme oxygenase-1 and miR-378 affects non-small cell lung carcinoma growth, vascularization, and metastasis. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 644-60	8.4	113
80	The cyclooxygenase-2-prostaglandin E2 pathway maintains senescence of chronic obstructive pulmonary disease fibroblasts. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 703-14	10.2	68
79	Activation of lung p53 by Nutlin-3a prevents and reverses experimental pulmonary hypertension. <i>Circulation</i> , 2013 , 127, 1664-76	16.7	77
78	Respiratory toxicities of nanomaterials -- a focus on carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1694-9	18.5	42
77	Fine PM induce airway MUC5AC expression through the autocrine effect of amphiregulin. <i>Archives of Toxicology</i> , 2012 , 86, 1851-9	5.8	36
76	Differential antibacterial activity against <i>Pseudomonas aeruginosa</i> by carbon monoxide-releasing molecules. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 153-63	8.4	84
75	A comparative transmission electron microscopy study of titanium dioxide and carbon black nanoparticles uptake in human lung epithelial and fibroblast cell lines. <i>Toxicology in Vitro</i> , 2012 , 26, 57-66	3.6	34
74	Interaction of matrix metalloproteinases with pulmonary pollutants. <i>European Respiratory Journal</i> , 2012 , 39, 1021-32	13.6	26
73	Critical role of surface chemical modifications induced by length shortening on multi-walled carbon nanotubes-induced toxicity. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 46	8.4	66
72	Intratracheally administered titanium dioxide or carbon black nanoparticles do not aggravate elastase-induced pulmonary emphysema in rats. <i>BMC Pulmonary Medicine</i> , 2012 , 12, 38	3.5	13
71	Longitudinal and noninvasive assessment of emphysema evolution in a murine model using proton MRI. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 898-904	4.4	24
70	Signalling pathways from NADPH oxidase-4 to idiopathic pulmonary fibrosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 1086-9	5.6	49
69	Role of nitric oxide synthases in elastase-induced emphysema. <i>Laboratory Investigation</i> , 2011 , 91, 353-62	5.9	15
68	A carbon monoxide-releasing molecule (CORM-3) uncouples mitochondrial respiration and modulates the production of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 1556-64	7.8	108

67	Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 3	8.4	64
66	Effects of polycythemia on systemic endothelial function in chronic hypoxic lung disease. <i>Journal of Applied Physiology</i> , 2011 , 110, 1196-203	3.7	14
65	Telomere dysfunction causes sustained inflammation in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 1358-66	10.2	145
64	NOX4/NADPH oxidase expression is increased in pulmonary fibroblasts from patients with idiopathic pulmonary fibrosis and mediates TGFbeta1-induced fibroblast differentiation into myofibroblasts. <i>Thorax</i> , 2010 , 65, 733-8	7.3	235
63	Induction of heme oxygenase-1, biliverdin reductase and H-ferritin in lung macrophage in smokers with primary spontaneous pneumothorax: role of HIF-1alpha. <i>PLoS ONE</i> , 2010 , 5, e10886	3.7	29
62	What's new in nanotoxicology? Implications for public health from a brief review of the 2008 literature. <i>Nanotoxicology</i> , 2010 , 4, 1-14	5.3	57
61	Shortened telomeres in circulating leukocytes of patients with chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 566-71	10.2	228
60	A carbon monoxide-releasing molecule (CORM-3) exerts bactericidal activity against <i>Pseudomonas aeruginosa</i> and improves survival in an animal model of bacteraemia. <i>FASEB Journal</i> , 2009 , 23, 1023-31	0.9	118
59	Comparative toxicity of 24 manufactured nanoparticles in human alveolar epithelial and macrophage cell lines. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 14	8.4	343
58	Bronchopulmonary dysplasia and emphysema: in search of common therapeutic targets. <i>Trends in Molecular Medicine</i> , 2009 , 15, 169-79	11.5	41
57	Diaphragmatic fatigue during sepsis and septic shock 2009 , 395-401		
56	Adverse effects of industrial multiwalled carbon nanotubes on human pulmonary cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 60-73	3.2	116
55	Heme oxygenase-1 prevents airway mucus hypersecretion induced by cigarette smoke in rodents and humans. <i>American Journal of Pathology</i> , 2008 , 173, 981-92	5.8	36
54	What's new in Nanotoxicology? Brief review of the 2007 literature. <i>Nanotoxicology</i> , 2008 , 2, 171-182	5.3	13
53	Carbon nanotubes in macrophages: imaging and chemical analysis by X-ray fluorescence microscopy. <i>Nano Letters</i> , 2008 , 8, 2659-63	11.5	58
52	Tumor cell phenotype is sustained by selective MAPK oxidation in mitochondria. <i>PLoS ONE</i> , 2008 , 3, e23797	3.7	50
51	Biodistribution and clearance of instilled carbon nanotubes in rat lung. <i>Particle and Fibre Toxicology</i> , 2008 , 5, 20	8.4	95
50	Interaction between a heme oxygenase-1 gene promoter polymorphism and serum beta-carotene levels on 8-year lung function decline in a general population: the European Community Respiratory Health Survey (France). <i>American Journal of Epidemiology</i> , 2008 , 167, 139-44	3.8	13

49	Biological effects of particles from the paris subway system. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1426-33	4	74
48	Pharmacologic induction of heme oxygenase 1 reduces acute inflammatory arthritis in mice. <i>Arthritis and Rheumatism</i> , 2007 , 56, 2585-94		58
47	Mitochondrial and cellular heme-dependent proteins as targets for the bioactive function of the heme oxygenase/carbon monoxide system. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 2139-55	8.4	51
46	Keratinocyte growth factor protects against elastase-induced pulmonary emphysema in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 293, L1230-9	5.8	47
45	Diesel exhaust particles induce matrix metalloprotease-1 in human lung epithelial cells via a NAD(P)H oxidase/NOX4 redox-dependent mechanism. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 293, L170-81	5.8	72
44	Effect of BSA on carbon nanotube dispersion for in vivo and in vitro studies. <i>Nanotoxicology</i> , 2007 , 1, 266-278	5.3	58
43	CO-metal interaction: Vital signaling from a lethal gas. <i>Trends in Biochemical Sciences</i> , 2006 , 31, 614-21	10.3	150
42	Biomedical applications and potential health risks of nanomaterials: molecular mechanisms. <i>Current Molecular Medicine</i> , 2006 , 6, 651-63	2.5	315
41	HO-1 is located in liver mitochondria and modulates mitochondrial heme content and metabolism. <i>FASEB Journal</i> , 2006 , 20, 1236-8	0.9	134
40	Diaphragmatic fatigue during sepsis and septic shock 2006 , 323-329		
39	Association entre la diminution de la fonction pulmonaire et le polymorphisme du promoteur du gène de l'hème oxygénase chez des adultes jeunes issus de la population générale. Étude longitudinale européenne sur la santé respiratoire (ECRHS-France).. <i>Bulletin De L'Académie Nationale De Médecine</i> , 2006 , 190, 877-891	0.1	1
38	Heme oxygenase-1 is expressed in carotid atherosclerotic plaques infected by Helicobacter pylori and is more prevalent in asymptomatic subjects. <i>Stroke</i> , 2005 , 36, 1896-900	6.7	24
37	Heme oxygenase-1 inhibits rat and human breast cancer cell proliferation: mutual cross inhibition with indoleamine 2,3-dioxygenase. <i>FASEB Journal</i> , 2005 , 19, 1957-68	0.9	128
36	Diaphragmatic fatigue during sepsis and septic shock. <i>Intensive Care Medicine</i> , 2005 , 31, 1611-7	14.5	45
35	Mitochondrial respiratory chain and NAD(P)H oxidase are targets for the antiproliferative effect of carbon monoxide in human airway smooth muscle. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25350-60	5.4	198
34	Bilirubin decreases nos2 expression via inhibition of NAD(P)H oxidase: implications for protection against endotoxic shock in rats. <i>FASEB Journal</i> , 2005 , 19, 1890-2	0.9	193
33	Heme oxygenase attenuates allergen-induced airway inflammation and hyperreactivity in guinea pigs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 287, L26-34	5.8	53
32	Lung infection and the diaphragm: placing basic research in clinical perspective. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 662-3	10.2	3

31	The mitochondrial interplay of ubiquinol and nitric oxide in endotoxemia. <i>Methods in Enzymology</i> , 2004 , 382, 67-81	1.7	21
30	Induction of heme oxygenase-1 inhibits NAD(P)H oxidase activity by down-regulating cytochrome b558 expression via the reduction of heme availability. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28681-84	5.4	151
29	Caveolin-1 and -3 dissociations from caveolae to cytosol in the heart during aging and after myocardial infarction in rat. <i>Cardiovascular Research</i> , 2003 , 57, 358-69	9.9	101
28	Systemic arteriovenous fistula leads to pulmonary artery remodeling and abnormal vasoreactivity in the fetal lamb. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003 , 285, L701-9	5.8	10
27	Heme oxygenase inhibits human airway smooth muscle proliferation via a bilirubin-dependent modulation of ERK1/2 phosphorylation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27160-8	5.4	55
26	Up-regulation of cardiac nitric oxide synthase 1-derived nitric oxide after myocardial infarction in senescent rats. <i>FASEB Journal</i> , 2003 , 17, 1934-6	0.9	96
25	Heme oxygenase modulates oxidant-signaled airway smooth muscle contractility: role of bilirubin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 283, L596-603	5.8	26
24	Tumor necrosis factor-alpha increases airway smooth muscle oxidants production through a NADPH oxidase-like system to enhance myosin light chain phosphorylation and contractility. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22814-21	5.4	33
23	Inducible nitric oxide synthase (NOS2) expressed in septic patients is nitrated on selected tyrosine residues: implications for enzymic activity. <i>Biochemical Journal</i> , 2002 , 366, 399-404	3.8	47
22	Heme Oxygenase in Skeletal Muscle 2002 , 205-213		
21	Peroxynitrite-mediated mitochondrial dysfunction. <i>NeuroSignals</i> , 2001 , 10, 66-80	1.9	32
20	Sepsis is associated with reciprocal expressional modifications of constitutive nitric oxide synthase (NOS) in human skeletal muscle: down-regulation of NOS1 and up-regulation of NOS3. <i>Critical Care Medicine</i> , 2001 , 29, 1720-5	1.4	18
19	Effects of riluzole on N-methyl-D-aspartate-induced tyrosine phosphorylation in the rat hippocampus. <i>Brain Research</i> , 2001 , 903, 222-5	3.7	8
18	Protective role of heme oxygenases against endotoxin-induced diaphragmatic dysfunction in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 753-61	10.2	58
17	Regulation of peroxisome proliferator-activated receptor gamma expression in human asthmatic airways: relationship with proliferation, apoptosis, and airway remodeling. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 1487-94	10.2	173
16	Decreased pulmonary and tracheal smooth muscle expression and activity of type 1 nitric oxide synthase (nNOS) after ovalbumin immunization and multiple aerosol challenge in guinea pigs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 149-54	10.2	42
15	Flow limitation and dynamic hyperinflation during exercise in COPD patients after single lung transplantation. <i>Chest</i> , 2000 , 118, 1248-54	5.3	30
14	Anesthetic concentrations of riluzole inhibit neuronal nitric oxide synthase activity, but not expression, in the rat hippocampus. <i>Brain Research</i> , 2000 , 881, 237-40	3.7	8

13	Muscular contractile failure in septic patients: role of the inducible nitric oxide synthase pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 2308-15	10.2	92
12	Endogenous peroxynitrite mediates mitochondrial dysfunction in rat diaphragm during endotoxemia. <i>FASEB Journal</i> , 1999 , 13, 1637-46	0.9	152
11	Theophylline dilates rat diaphragm arterioles via the prostaglandins pathway. <i>British Journal of Pharmacology</i> , 1998 , 124, 1355-62	8.6	5
10	In vivo study of the effect of systemic hypoxia on leukocyte-endothelium interactions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 158, 477-83	10.2	24
9	Early release of proinflammatory cytokines after lung transplantation. <i>Chest</i> , 1998 , 113, 645-51	5.3	55
8	Expiratory flow limitation in stable asthmatic patients during resting breathing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 156, 752-7	10.2	55
7	Predominant role of A1 adenosine receptors in mediating adenosine induced vasodilatation of rat diaphragmatic arterioles: involvement of nitric oxide and the ATP-dependent K ⁺ channels. <i>British Journal of Pharmacology</i> , 1997 , 121, 1355-63	8.6	48
6	Induction of diaphragmatic nitric oxide synthase after endotoxin administration in rats: role on diaphragmatic contractile dysfunction. <i>Journal of Clinical Investigation</i> , 1996 , 98, 1550-9	15.9	112
5	Effects of inhibition of nitric oxide synthesis on TNF alpha serum levels in E. coli endotoxemic rats. <i>Life Sciences</i> , 1995 , 57, PL147-52	6.8	8
4	Effects of N-acetylcysteine on diaphragmatic function and malondialdehyde content in Escherichia coli endotoxemic rats. <i>The American Review of Respiratory Disease</i> , 1992 , 146, 730-4		38
3	Preventive effects of indomethacin on diaphragmatic contractile alterations in endotoxemic rats. <i>The American Review of Respiratory Disease</i> , 1990 , 142, 193-8		30
2	A preparation for in vivo study of the diaphragmatic microcirculation in the rat. <i>Microvascular Research</i> , 1990 , 40, 157-67	3.7	13
1	Effects of sepsis on diaphragmatic function in rats. <i>The American Review of Respiratory Disease</i> , 1988 , 138, 260-5		119