

E Barreiro

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195
papers

11,203
citations

47
h-index

102
g-index

232
ext. papers

13,668
ext. citations

4.8
avg, IF

6.01
L-index

#	Paper	IF	Citations
195	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
194	An official American Thoracic Society/European Respiratory Society statement: update on limb muscle dysfunction in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, e15-62	10.2	577
193	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
192	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 22-28	4.7	267
191	Inspiratory muscle training in patients with chronic obstructive pulmonary disease: structural adaptation and physiologic outcomes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 1491-7	10.2	242
190	Tumor markers (CEA, CA 125, CYFRA 21-1, SCC and NSE) in patients with non-small cell lung cancer as an aid in histological diagnosis and prognosis. Comparison with the main clinical and pathological prognostic factors. <i>Tumor Biology</i> , 2003 , 24, 209-18	2.9	193
189	Cigarette smoke-induced oxidative stress: A role in chronic obstructive pulmonary disease skeletal muscle dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 477-88	10.2	192
188	Oxidative stress and respiratory muscle dysfunction in severe chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 1116-24	10.2	179
187	ERS statement on respiratory muscle testing at rest and during exercise. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	175
186	Molecular characterization of a superoxide-generating NAD(P)H oxidase in the ventilatory muscles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 412-8	10.2	164
185	Cytokine profile in quadriceps muscles of patients with severe COPD. <i>Thorax</i> , 2008 , 63, 100-7	7.3	122
184	Nitric oxide synthases and protein oxidation in the quadriceps femoris of patients with chronic obstructive pulmonary disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003 , 29, 771-8	5.7	110
183	Does oxidative stress modulate limb muscle atrophy in severe COPD patients?. <i>European Respiratory Journal</i> , 2012 , 40, 851-62	13.6	103
182	Patients hospitalized for COPD have a high prevalence of modifiable risk factors for exacerbation (EFRAM study). <i>European Respiratory Journal</i> , 2000 , 16, 1037-42	13.6	102
181	Oxidative stress, redox signaling pathways, and autophagy in cachectic muscles of male patients with advanced COPD and lung cancer. <i>Free Radical Biology and Medicine</i> , 2015 , 79, 91-108	7.8	100
180	Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. What We Know and Can Do for Our Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 175-186	10.2	98
179	Both oxidative and nitrosative stress are associated with muscle wasting in tumour-bearing rats. <i>FEBS Letters</i> , 2005 , 579, 1646-52	3.8	93

178	Protein carbonyl formation in the diaphragm. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 32, 9-17	5.7	91
177	Chronic endurance exercise induces quadriceps nitrosative stress in patients with severe COPD. <i>Thorax</i> , 2009 , 64, 13-9	7.3	88
176	Relation between circulating CC16 concentrations, lung function, and development of chronic obstructive pulmonary disease across the lifespan: a prospective study. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 613-20	35.1	87
175	Respiratory and Limb Muscle Dysfunction in COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2015 , 12, 413-26	2	86
174	Interleukin-15 is able to suppress the increased DNA fragmentation associated with muscle wasting in tumour-bearing rats. <i>FEBS Letters</i> , 2004 , 569, 201-6	3.8	81
173	Oxidised proteins and superoxide anion production in the diaphragm of severe COPD patients. <i>European Respiratory Journal</i> , 2009 , 33, 1309-19	13.6	80
172	High CO ₂ levels cause skeletal muscle atrophy via AMP-activated kinase (AMPK), FoxO3a protein, and muscle-specific Ring finger protein 1 (MuRF1). <i>Journal of Biological Chemistry</i> , 2015 , 290, 9183-94	5.4	79
171	Short-term changes in respiratory biomarkers after swimming in a chlorinated pool. <i>Environmental Health Perspectives</i> , 2010 , 118, 1538-44	8.4	76
170	Protein carbonylation in skeletal muscles: impact on function. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 417-29	8.4	75
169	Loss of quadriceps muscle oxidative phenotype and decreased endurance in patients with mild-to-moderate COPD. <i>Journal of Applied Physiology</i> , 2013 , 114, 1319-28	3.7	74
168	Expression and carbonylation of creatine kinase in the quadriceps femoris muscles of patients with chronic obstructive pulmonary disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 33, 636-42	5.7	73
167	Muscle and blood redox status after exercise training in severe COPD patients. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 88-94	7.8	72
166	Pharmacological strategies in lung cancer-induced cachexia: effects on muscle proteolysis, autophagy, structure, and weakness. <i>Journal of Cellular Physiology</i> , 2014 , 229, 1660-72	7	67
165	Muscle dysfunction in chronic obstructive pulmonary disease: update on causes and biological findings. <i>Journal of Thoracic Disease</i> , 2015 , 7, E418-38	2.6	67
164	Association between β and β fatty acid intakes and serum inflammatory markers in COPD. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 817-21	6.3	62
163	Redox balance and carbonylated proteins in limb and heart muscles of cachectic rats. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 365-80	8.4	62
162	Roles of iNOS and nNOS in sepsis-induced pulmonary apoptosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 286, L793-800	5.8	61
161	Oxidative stress and inflammation in the normal airways and blood of patients with lung cancer and COPD. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 859-871	7.8	58

160	Inflammatory cells and apoptosis in respiratory and limb muscles of patients with COPD. <i>Journal of Applied Physiology</i> , 2011 , 111, 808-17	3.7	57
159	Dyspnoea at rest and at the end of different exercises in patients with near-fatal asthma. <i>European Respiratory Journal</i> , 2004 , 24, 219-25	13.6	57
158	Near-fatal asthma phenotype in the ENFUMOSA Cohort. <i>Clinical and Experimental Allergy</i> , 2007 , 37, 552-7.1	4.1	56
157	Guidelines for the evaluation and treatment of muscle dysfunction in patients with chronic obstructive pulmonary disease. <i>Archivos De Bronconeumologia</i> , 2015 , 51, 384-95	0.7	55
156	Cigarette smoke-induced oxidative stress in skeletal muscles of mice. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 182, 9-17	2.8	55
155	Protein tyrosine nitration in the ventilatory muscles: role of nitric oxide synthases. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002 , 26, 438-46	5.7	55
154	Upregulation of pro-inflammatory cytokines in the intercostal muscles of COPD patients. <i>European Respiratory Journal</i> , 2007 , 30, 701-7	13.6	53
153	Quadriceps muscle weakness and atrophy are associated with a differential epigenetic profile in advanced COPD. <i>Clinical Science</i> , 2015 , 128, 905-21	6.5	52
152	Aging, sex differences, and oxidative stress in human respiratory and limb muscles. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 797-809	7.8	51
151	Clinical outcomes of expiratory muscle training in severe COPD patients. <i>Respiratory Medicine</i> , 2007 , 101, 516-24	4.6	49
150	Expiratory muscle endurance in chronic obstructive pulmonary disease. <i>Thorax</i> , 2002 , 57, 132-6	7.3	49
149	Personalized respiratory medicine: exploring the horizon, addressing the issues. Summary of a BRN-AJRCCM workshop held in Barcelona on June 12, 2014. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 391-401	10.2	48
148	Mitochondrial dysfunction and therapeutic approaches in respiratory and limb muscles of cancer cachectic mice. <i>Experimental Physiology</i> , 2013 , 98, 1349-65	2.4	46
147	Role of heme oxygenases in sepsis-induced diaphragmatic contractile dysfunction and oxidative stress. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 283, L476-84	5.8	46
146	Modifications of proteins by 4-hydroxy-2-nonenal in the ventilatory muscles of rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006 , 290, L996-1003	5.8	45
145	Activation of UCPs gene expression in skeletal muscle can be independent on both circulating fatty acids and food intake. Involvement of ROS in a model of mouse cancer cachexia. <i>FEBS Letters</i> , 2005 , 579, 717-22	3.8	45
144	Malfolded protein structure and proteostasis in lung diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 96-103	10.2	43
143	Inspiratory and expiratory muscle training in subacute stroke: A randomized clinical trial. <i>Neurology</i> , 2015 , 85, 564-72	6.5	42

142	Epigenetic mechanisms in respiratory muscle dysfunction of patients with chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2014 , 9, e111514	3.7	40
141	Respiratory loading intensity and diaphragm oxidative stress: N-acetyl-cysteine effects. <i>Journal of Applied Physiology</i> , 2006 , 100, 555-63	3.7	38
140	Muscle atrophy in chronic obstructive pulmonary disease: molecular basis and potential therapeutic targets. <i>Journal of Thoracic Disease</i> , 2018 , 10, S1415-S1424	2.6	38
139	Role of PARP activity in lung cancer-induced cachexia: Effects on muscle oxidative stress, proteolysis, anabolic markers, and phenotype. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3744-3761	7	37
138	MicroRNA expression and protein acetylation pattern in respiratory and limb muscles of Parp-1(-/-) and Parp-2(-/-) mice with lung cancer cachexia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2530-43	4	37
137	Molecular and biological pathways of skeletal muscle dysfunction in chronic obstructive pulmonary disease. <i>Chronic Respiratory Disease</i> , 2016 , 13, 297-311	3	37
136	Do epigenetic events take place in the vastus lateralis of patients with mild chronic obstructive pulmonary disease?. <i>PLoS ONE</i> , 2014 , 9, e102296	3.7	35
135	Diesel exhausts particles: Their role in increasing the incidence of asthma. Reviewing the evidence of a causal link. <i>Science of the Total Environment</i> , 2019 , 652, 1129-1138	10.2	35
134	Respiratory diseases and muscle dysfunction. <i>Expert Review of Respiratory Medicine</i> , 2012 , 6, 75-90	3.8	33
133	Epigenetic regulation of muscle phenotype and adaptation: a potential role in COPD muscle dysfunction. <i>Journal of Applied Physiology</i> , 2013 , 114, 1263-72	3.7	32
132	Effects of the beta agonist formoterol on atrophy signaling, autophagy, and muscle phenotype in respiratory and limb muscles of rats with cancer-induced cachexia. <i>Biochimie</i> , 2018 , 149, 79-91	4.6	31
131	Functional and biological characteristics of asthma in cleaning workers. <i>Respiratory Medicine</i> , 2013 , 107, 673-83	4.6	31
130	N-acetylcysteine increases manganese superoxide dismutase activity in septic rat diaphragms. <i>European Respiratory Journal</i> , 2005 , 26, 1032-9	13.6	31
129	Lipopolysaccharide-induced diaphragmatic contractile dysfunction and sarcolemmal injury in mice lacking the neuronal nitric oxide synthase. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 977-82	10.2	31
128	Structural and functional changes in the skeletal muscles of COPD patients: the "compartments" theory. <i>Monaldi Archives for Chest Disease</i> , 2001 , 56, 214-24	2.7	31
127	Role of free radicals in vascular dysfunction induced by high tidal volume ventilation. <i>Intensive Care Medicine</i> , 2009 , 35, 1110-9	14.5	29
126	Time-Course of Muscle Mass Loss, Damage, and Proteolysis in Gastrocnemius following Unloading and Reloading: Implications in Chronic Diseases. <i>PLoS ONE</i> , 2016 , 11, e0164951	3.7	29
125	Chronic Obstructive Pulmonary Disease heterogeneity: challenges for health risk assessment, stratification and management. <i>Journal of Translational Medicine</i> , 2014 , 12 Suppl 2, S3	8.5	28

124	Occupational risk factors for hand dermatitis among professional cleaners in Spain. <i>Contact Dermatitis</i> , 2012 , 66, 188-96	2.7	28
123	Differences in COPD care among doctors who control the disease: general practitioner vs. pneumologist. <i>Respiratory Medicine</i> , 2006 , 100, 332-9	4.6	28
122	The systemic inflammome of severe obesity before and after bariatric surgery. <i>PLoS ONE</i> , 2014 , 9, e107859	3.7	27
121	Role of Protein Carbonylation in Skeletal Muscle Mass Loss Associated with Chronic Conditions. <i>Proteomes</i> , 2016 , 4,	4.6	27
120	Protein carbonylation and muscle function in COPD and other conditions. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 219-36	11	26
119	Serum levels of Clara cell secretory protein, asthma, and lung function in the adult general population. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 230-2	11.5	25
118	UCP3 overexpression neutralizes oxidative stress rather than nitrosative stress in mouse myotubes. <i>FEBS Letters</i> , 2009 , 583, 350-6	3.8	25
117	Muscle dysfunction in patients with lung diseases: a growing epidemic. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 616-9	10.2	24
116	Phenotypic and metabolic features of mouse diaphragm and gastrocnemius muscles in chronic lung carcinogenesis: influence of underlying emphysema. <i>Journal of Translational Medicine</i> , 2016 , 14, 244	8.5	24
115	Therapeutic Approaches in Mitochondrial Dysfunction, Proteolysis, and Structural Alterations of Diaphragm and Gastrocnemius in Rats With Chronic Heart Failure. <i>Journal of Cellular Physiology</i> , 2016 , 231, 1495-513	7	24
114	The AP-1/CJUN signaling cascade is involved in muscle differentiation: implications in muscle wasting during cancer cachexia. <i>FEBS Letters</i> , 2006 , 580, 691-6	3.8	23
113	Oxidative stress in the external intercostal muscles of patients with obstructive sleep apnoea. <i>Thorax</i> , 2007 , 62, 1095-101	7.3	22
112	Models of disuse muscle atrophy: therapeutic implications in critically ill patients. <i>Annals of Translational Medicine</i> , 2018 , 6, 29	3.2	22
111	Epigenetics and muscle dysfunction in chronic obstructive pulmonary disease. <i>Translational Research</i> , 2015 , 165, 61-73	11	21
110	The relation of circulating YKL-40 to levels and decline of lung function in adult life. <i>Respiratory Medicine</i> , 2013 , 107, 1923-30	4.6	21
109	Short- and Long-Term Hindlimb Immobilization and Reloading: Profile of Epigenetic Events in Gastrocnemius. <i>Journal of Cellular Physiology</i> , 2017 , 232, 1415-1427	7	21
108	Redox Imbalance in Lung Cancer of Patients with Underlying Chronic Respiratory Conditions. <i>Molecular Medicine</i> , 2016 , 22, 85-98	6.2	21
107	Muscle regeneration potential and satellite cell activation profile during recovery following hindlimb immobilization in mice. <i>Journal of Cellular Physiology</i> , 2018 , 233, 4360-4372	7	21

106	Dietary modulation of oxidative stress in chronic obstructive pulmonary disease patients. <i>Free Radical Research</i> , 2010 , 44, 1296-303	4	20
105	Redox balance following magnetic stimulation training in the quadriceps of patients with severe COPD. <i>Free Radical Research</i> , 2008 , 42, 939-48	4	20
104	Skeletal Muscle Dysfunction in COPD: Novelties in The Last Decade. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 43-44	0.7	19
103	The phosphodiesterase-4 inhibitor roflumilast reverts proteolysis in skeletal muscle cells of patients with COPD cachexia. <i>Journal of Applied Physiology</i> , 2018 , 125, 287-303	3.7	17
102	Systemic and Tumor Th1 and Th2 Inflammatory Profile and Macrophages in Lung Cancer: Influence of Underlying Chronic Respiratory Disease. <i>Journal of Thoracic Oncology</i> , 2017 , 12, 235-248	8.9	17
101	Sex differences in function and structure of the quadriceps muscle in chronic obstructive pulmonary disease patients. <i>Chronic Respiratory Disease</i> , 2017 , 14, 127-139	3	16
100	Guidelines for the Evaluation and Treatment of Muscle Dysfunction in Patients With Chronic Obstructive Pulmonary Disease. <i>Archivos De Bronconeumologia</i> , 2015 , 51, 384-395	0.7	16
99	Stromal markers of activated tumor associated fibroblasts predict poor survival and are associated with necrosis in non-small cell lung cancer. <i>Lung Cancer</i> , 2019 , 135, 151-160	5.9	16
98	Moving towards patient-centered medicine for COPD management: multidimensional approaches versus phenotype-based medicine--a critical view. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014 , 11, 591-602	2	16
97	Quadriceps muscle strength in scoliosis. <i>European Respiratory Journal</i> , 2009 , 34, 1429-35	13.6	16
96	Actualizaci3n en los mecanismos de disfunci3n muscular en la EPOC. <i>Archivos De Bronconeumologia</i> , 2008 , 44, 328-337	0.7	16
95	Relationships between chronic obstructive pulmonary disease and lung cancer: biological insights. <i>Journal of Thoracic Disease</i> , 2016 , 8, E1122-E1135	2.6	16
94	Tumor-associated metabolic and inflammatory responses in early stage non-small cell lung cancer: Local patterns and prognostic significance. <i>Lung Cancer</i> , 2018 , 122, 124-130	5.9	16
93	Network modules uncover mechanisms of skeletal muscle dysfunction in COPD patients. <i>Journal of Translational Medicine</i> , 2018 , 16, 34	8.5	15
92	Profile of epigenetic mechanisms in lung tumors of patients with underlying chronic respiratory conditions. <i>Clinical Epigenetics</i> , 2018 , 10, 7	7.7	15
91	Ventilator-induced diaphragm dysfunction: translational mechanisms lead to therapeutical alternatives in the critically ill. <i>Intensive Care Medicine Experimental</i> , 2019 , 7, 48	3.7	15
90	Influence of mechanical ventilation and sepsis on redox balance in diaphragm, myocardium, limb muscles, and lungs. <i>Translational Research</i> , 2014 , 164, 477-95	11	15
89	Glutathione and glutamate levels in the diaphragm of patients with chronic obstructive pulmonary disease. <i>European Respiratory Journal</i> , 2004 , 23, 545-51	13.6	15

88	Formoterol attenuates increased oxidative stress and myosin protein loss in respiratory and limb muscles of cancer cachectic rats. <i>PeerJ</i> , 2017 , 5, e4109	3.1	15
87	Executive summary of the SEPAR recommendations for the diagnosis and treatment of non-small cell lung cancer. <i>Archivos De Bronconeumologia</i> , 2016 , 52, 378-88	0.7	15
86	Endoplasmic reticulum stress and unfolded protein response profile in quadriceps of sarcopenic patients with respiratory diseases. <i>Journal of Cellular Physiology</i> , 2019 , 234, 11315-11329	7	15
85	Recommendations of the Spanish Society of Pneumology and Thoracic Surgery on the diagnosis and treatment of non-small-cell lung cancer. <i>Archivos De Bronconeumologia</i> , 2016 , 52 Suppl 1, 2-62	0.7	13
84	Diaphragm plasticity in aging and disease: therapies for muscle weakness go from strength to strength. <i>Journal of Applied Physiology</i> , 2018 , 125, 243-253	3.7	13
83	Overexpression of UCP3 in both murine and human myotubes is linked with the activation of proteolytic systems: a role in muscle wasting?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 253-8	4	13
82	Redox balance and cellular inflammation in the diaphragm, limb muscles, and lungs of mechanically ventilated rats. <i>Anesthesiology</i> , 2010 , 112, 384-94	4.3	13
81	Mitochondrial Dynamics and Mitophagy in Skeletal Muscle Health and Aging. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	13
80	Reduced lung cancer burden by selective immunomodulators elicits improvements in muscle proteolysis and strength in cachectic mice. <i>Journal of Cellular Physiology</i> , 2019 , 234, 18041-18052	7	11
79	Recomendaciones SEPAR de diagnóstico y tratamiento del cáncer de pulmón de células no pequeñas. <i>Archivos De Bronconeumologia</i> , 2016 , 52, 2-62	0.7	11
78	Reduced tumor burden through increased oxidative stress in lung adenocarcinoma cells of PARP-1 and PARP-2 knockout mice. <i>Biochimie</i> , 2016 , 121, 278-86	4.6	11
77	Inflammatory Events and Oxidant Production in the Diaphragm, Gastrocnemius, and Blood of Rats Exposed to Chronic Intermittent Hypoxia: Therapeutic Strategies. <i>Journal of Cellular Physiology</i> , 2017 , 232, 1165-1175	7	11
76	Reference values of respiratory and peripheral muscle function in rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2010 , 94, e393-401	2.6	11
75	Soluble guanylate cyclase stimulation reduces oxidative stress in experimental Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2018 , 13, e0190628	3.7	11
74	B Cells and Tertiary Lymphoid Structures Influence Survival in Lung Cancer Patients with Resectable Tumors. <i>Cancers</i> , 2020 , 12,	6.6	11
73	Clinical management of chronic obstructive pulmonary disease patients with muscle dysfunction. <i>Journal of Thoracic Disease</i> , 2016 , 8, 3379-3400	2.6	11
72	The BIOMEPOC Project: Personalized Biomarkers and Clinical Profiles in Chronic Obstructive Pulmonary Disease. <i>Archivos De Bronconeumologia</i> , 2019 , 55, 93-99	0.7	11
71	Epigenetic regulation of muscle development. <i>Journal of Muscle Research and Cell Motility</i> , 2017 , 38, 31-35	3.5	10

70	Satellite Cells and Markers of Muscle Regeneration during Unloading and Reloading: Effects of Treatment with Resveratrol and Curcumin. <i>Nutrients</i> , 2020 , 12,	6.7	10
69	The role of MicroRNAs in COPD muscle dysfunction and mass loss: implications on the clinic. <i>Expert Review of Respiratory Medicine</i> , 2016 , 10, 1011-22	3.8	10
68	Exposure to disinfection by-products in swimming pools and biomarkers of genotoxicity and respiratory damage - The PISCINA2 Study. <i>Environment International</i> , 2019 , 131, 104988	12.9	10
67	Free Radicals, Cytokines, and Respiratory Muscles in COPD Patients. <i>Clinical Pulmonary Medicine</i> , 2007 , 14, 117-126	0.3	10
66	Lack of Correlation Between Pulmonary and Systemic Inflammation Markers in Patients with Chronic Obstructive Pulmonary Disease: A Simultaneous, Two-Compartmental Analysis. <i>Archivos De Bronconeumologia</i> , 2016 , 52, 361-7	0.7	10
65	Lights and shadows of non-invasive mechanical ventilation for chronic obstructive pulmonary disease (COPD) exacerbations. <i>Annals of Thoracic Medicine</i> , 2015 , 10, 87-93	2.2	9
64	The muscle oxidative regulatory response to acute exercise is not impaired in less advanced COPD despite a decreased oxidative phenotype. <i>PLoS ONE</i> , 2014 , 9, e90150	3.7	9
63	Endoplasmic reticulum stress and unfolded protein response in diaphragm muscle dysfunction of patients with stable chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2019 , 126, 1572-1586	3.7	8
62	Current controversies in the stepping up and stepping down of inhaled therapies for COPD at the patient level. <i>Respirology</i> , 2018 , 23, 818	3.6	8
61	Update in chronic obstructive pulmonary disease 2013. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1337-44	10.2	8
60	Activation of Satellite Cells in the Intercostal Muscles of Patients With Chronic Obstructive Pulmonary Disease. <i>Archivos De Bronconeumologia</i> , 2008 , 44, 239-244	0.7	8
59	Skeletal muscle dysfunction in COPD: relevance of nutritional support and pulmonary rehabilitation. <i>Journal of Thoracic Disease</i> , 2018 , 10, S1330-S1331	2.6	8
58	Muscle Phenotype, Proteolysis, and Atrophy Signaling During Reloading in Mice: Effects of Curcumin on the Gastrocnemius. <i>Nutrients</i> , 2020 , 12,	6.7	7
57	PARP-1 and PARP-2 activity in cancer-induced cachexia: potential therapeutic implications. <i>Biological Chemistry</i> , 2018 , 399, 179-186	4.5	7
56	Executive Summary of the SEPAR Recommendations for the Diagnosis and Treatment of Non-small Cell Lung Cancer. <i>Archivos De Bronconeumologia</i> , 2016 , 52, 378-388	0.7	7
55	Skeletal Muscle Dysfunction in COPD: Novelties in the Last Decade. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 43-44	0.7	7
54	Time-based gene expression programme following diaphragm injury in a rat model. <i>European Respiratory Journal</i> , 2005 , 25, 422-30	13.6	7
53	Pharmacological Approaches in an Experimental Model of Non-Small Cell Lung Cancer: Effects on Tumor Biology. <i>Current Pharmaceutical Design</i> , 2016 , 22, 5300-5310	3.3	7

52	Molecular and physiological events in respiratory muscles and blood of rats exposed to inspiratory threshold loading. <i>Translational Research</i> , 2014 , 163, 478-93	11	6
51	Morphological and functional recovery from diaphragm injury: an in vivo rat diaphragm injury model. <i>Journal of Applied Physiology</i> , 2001 , 90, 2269-78	3.7	6
50	Deficient muscle regeneration potential in sarcopenic COPD patients: Role of satellite cells. <i>Journal of Cellular Physiology</i> , 2021 , 236, 3083-3098	7	6
49	Immunotherapy with Monoclonal Antibodies in Lung Cancer of Mice: Oxidative Stress and Other Biological Events. <i>Cancers</i> , 2019 , 11,	6.6	5
48	Systemic Inflammation in COPD. <i>Clinical Pulmonary Medicine</i> , 2009 , 16, 233-242	0.3	5
47	Oxidative stress time course in the rat diaphragm after freezing-thawing cycles. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 155, 156-66	2.8	5
46	Differential structural features in soleus and gastrocnemius of carnitine-treated cancer cachectic rats. <i>Journal of Cellular Physiology</i> , 2020 , 235, 526-537	7	5
45	Curcumin and Resveratrol Improve Muscle Function and Structure through Attenuation of Proteolytic Markers in Experimental Cancer-Induced Cachexia. <i>Molecules</i> , 2021 , 26,	4.8	5
44	Prolonged Immobilization Exacerbates the Loss of Muscle Mass and Function Induced by Cancer-Associated Cachexia through Enhanced Proteolysis in Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
43	Immune Cell Subtypes and Cytokines in Lung Tumor Microenvironment: Influence of COPD. <i>Cancers</i> , 2020 , 12,	6.6	4
42	Early detection of skeletal muscle bioenergetic deficit by magnetic resonance spectroscopy in cigarette smoke-exposed mice. <i>PLoS ONE</i> , 2020 , 15, e0234606	3.7	4
41	Comparison of autofluorescence and white-light bronchoscopies performed with the Evis Lucera Spectrum for the detection of bronchial cancers: a meta-analysis. <i>Translational Lung Cancer Research</i> , 2020 , 9, 23-32	4.4	4
40	Activaci3n de c3lulas sat3lite en el m3sculo intercostal de pacientes con EPOC. <i>Archivos De Bronconeumologia</i> , 2008 , 44, 239-244	0.7	4
39	M3sculos respiratorios, tolerancia al ejercicio y entrenamiento muscular en la EPOC. <i>Archivos De Bronconeumologia</i> , 2007 , 43, 15-24	0.7	4
38	An3lisis estructural y expresi3n de los factores de necrosis tumoral y crecimiento insulina-like en los m3sculos respiratorios de pacientes con EPOC. ¿Son v3lidas las muestras obtenidas en el curso de una toracotom3a por neoplasia pulmonar localizada?. <i>Archivos De Bronconeumologia</i> , 2004 , 40, 209-217	0.7	4
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