E Barreiro

List of Publications by Year
in descending order

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215 papers	15,529 citations	34105 52 h-index	19190 118 g-index
232 all docs	232 docs citations	232 times ranked	23906 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	An Official American Thoracic Society/European Respiratory Society Statement: Update on Limb Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 189, e15-e62.	5.6	793
4	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. Annals of the American Thoracic Society, 2019, 16, 22-28.	3.2	458
5	ERS statement on respiratory muscle testing at rest and during exercise. European Respiratory Journal, 2019, 53, 1801214.	6.7	379
6	Inspiratory Muscle Training in Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 1491-1497.	5.6	305
7	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. Tumor Biology, 2003, 24, 209-218.	1.8	233
8	Cigarette Smokeâ€“induced Oxidative Stress. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 477-488.	5.6	233
9	Oxidative Stress and Respiratory Muscle Dysfunction in Severe Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1116-1124.	5.6	209
10	Molecular Characterization of a Superoxide-Generating NAD(P)H Oxidase in the Ventilatory Muscles. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 412-418.	5.6	186
11	Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. What We Know and Can Do for Our Patients. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 175-186.	5.6	168
12	Cytokine profile in quadriceps muscles of patients with severe COPD. Thorax, 2007, 63, 100-107.	5.6	149
13	Relation between circulating CC16 concentrations, lung function, and development of chronic obstructive pulmonary disease across the lifespan: a prospective study. Lancet Respiratory Medicine,the, 2015, 3, 613-620.	10.7	134
14	Patients hospitalized for COPD have a high prevalence of modifiable risk factors for exacerbation (EFRAM study). European Respiratory Journal, 2000, 16, 1037-1042.	6.7	133
15	Nitric Oxide Synthases and Protein Oxidation in the Quadriceps Femoris of Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 771-778.	2.9	132
16	Does oxidative stress modulate limb muscle atrophy in severe COPD patients?. European Respiratory Journal, 2012, 40, 851-862.	6.7	127
17	Oxidative stress, redox signaling pathways, and autophagy in cachectic muscles of male patients with advanced COPD and lung cancer. Free Radical Biology and Medicine, 2015, 79, 91-108.	2.9	127
18	Respiratory and Limb Muscle Dysfunction in COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2015, 12, 413-426.	1.6	113

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19	Both oxidative and nitrosative stress are associated with muscle wasting in tumour-bearing rats. FEBS Letters, 2005, 579, 1646-1652.	2.8	109
20	Chronic endurance exercise induces quadriceps nitrosative stress in patients with severe COPD. Thorax, 2008, 64, 13-19.	5.6	108
21	High CO2 Levels Cause Skeletal Muscle Atrophy via AMP-activated Kinase (AMPK), FoxO3a Protein, and Muscle-specific Ring Finger Protein 1 (MuRF1). Journal of Biological Chemistry, 2015, 290, 9183-9194.	3.4	101
22	Protein Carbonyl Formation in the Diaphragm. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 9-17.	2.9	98
23	Interleukin-15 is able to suppress the increased DNA fragmentation associated with muscle wasting in tumour-bearing rats. FEBS Letters, 2004, 569, 201-206.	2.8	95
24	Short-Term Changes in Respiratory Biomarkers after Swimming in a Chlorinated Pool. Environmental Health Perspectives, 2010, 118, 1538-1544.	6.0	94
25	Mitochondrial Dynamics and Mitophagy in Skeletal Muscle Health and Aging. International Journal of Molecular Sciences, 2021, 22, 8179.	4.1	93
26	Oxidised proteins and superoxide anion production in the diaphragm of severe COPD patients. European Respiratory Journal, 2009, 33, 1309-1319.	6.7	92
27	Loss of quadriceps muscle oxidative phenotype and decreased endurance in patients with mild-to-moderate COPD. Journal of Applied Physiology, 2013, 114, 1319-1328.	2.5	91
28	Muscle dysfunction in chronic obstructive pulmonary disease: update on causes and biological findings. Journal of Thoracic Disease, 2015, 7, E418-38.	1.4	90
29	Muscle and blood redox status after exercise training in severe COPD patients. Free Radical Biology and Medicine, 2012, 52, 88-94.	2.9	89
30	Protein Carbonylation in Skeletal Muscles: Impact on Function. Antioxidants and Redox Signaling, 2010, 12, 417-429.	5.4	88
31	Expression and Carbonylation of Creatine Kinase in the Quadriceps Femoris Muscles of Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 636-642.	2.9	84
32	Association between Î©3 and Î©6 fatty acid intakes and serum inflammatory markers in COPD. Journal of Nutritional Biochemistry, 2012, 23, 817-821.	4.2	78
33	Pharmacological Strategies in Lung Cancer-Induced Cachexia: Effects on Muscle Proteolysis, Autophagy, Structure, and Weakness. Journal of Cellular Physiology, 2014, 229, 1660-1672.	4.1	77
34	Redox Balance and Carbonylated Proteins in Limb and Heart Muscles of Cachectic Rats. Antioxidants and Redox Signaling, 2010, 12, 365-380.	5.4	71
35	Oxidative stress and inflammation in the normal airways and blood of patients with lung cancer and COPD. Free Radical Biology and Medicine, 2013, 65, 859-871.	2.9	71
36	Normativa SEPAR sobre disfunciÃ³n muscular de los pacientes con enfermedad pulmonar obstructiva crÃ³nica. Archivos De Bronconeumologia, 2015, 51, 384-395.	0.8	71

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37	Roles of iNOS and nNOS in sepsis-induced pulmonary apoptosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L793-L800.	2.9	69
38	Near-fatal asthma phenotype in the ENFUMOSA Cohort. Clinical and Experimental Allergy, 2007, 37, 552-557.	2.9	69
39	Quadriceps muscle weakness and atrophy are associated with a differential epigenetic profile in advanced COPD. Clinical Science, 2015, 128, 905-921.	4.3	68
40	Expiratory muscle endurance in chronic obstructive pulmonary disease. Thorax, 2002, 57, 132-136.	5.6	67
41	Dyspnoea at rest and at the end of different exercises in patients with near-fatal asthma. European Respiratory Journal, 2004, 24, 219-225.	6.7	65
42	Inflammatory cells and apoptosis in respiratory and limb muscles of patients with COPD. Journal of Applied Physiology, 2011, 111, 808-817.	2.5	64
43	Cigarette smoke-induced oxidative stress in skeletal muscles of mice. Respiratory Physiology and Neurobiology, 2012, 182, 9-17.	1.6	64
44	Upregulation of pro-inflammatory cytokines in the intercostal muscles of COPD patients. European Respiratory Journal, 2007, 30, 701-707.	6.7	63
45	Personalized Respiratory Medicine: Exploring the Horizon, Addressing the Issues. Summary of a BRN-AJRCCM Workshop Held in Barcelona on June 12, 2014. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 391-401.	5.6	61
46	Aging, sex differences, and oxidative stress in human respiratory and limb muscles. Free Radical Biology and Medicine, 2006, 41, 797-809.	2.9	60
47	Protein Tyrosine Nitration in the Ventilatory Muscles. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 438-446.	2.9	59
48	Modifications of proteins by 4-hydroxy-2-nonenal in the ventilatory muscles of rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L996-L1003.	2.9	58
49	Clinical outcomes of expiratory muscle training in severe COPD patients. Respiratory Medicine, 2007, 101, 516-524.	2.9	58
50	Diesel exhausts particles: Their role in increasing the incidence of asthma. Reviewing the evidence of a causal link. Science of the Total Environment, 2019, 652, 1129-1138.	8.0	58
51	Malfolded Protein Structure and Proteostasis in Lung Diseases. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 96-103.	5.6	57
52	Muscle atrophy in chronic obstructive pulmonary disease: molecular basis and potential therapeutic targets. Journal of Thoracic Disease, 2018, 10, S1415-S1424.	1.4	57
53	Inspiratory and expiratory muscle training in subacute stroke. Neurology, 2015, 85, 564-572.	1.1	56
54	Mitochondrial dysfunction and therapeutic approaches in respiratory and limb muscles of cancer cachectic mice. Experimental Physiology, 2013, 98, 1349-1365.	2.0	55

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55	Molecular and biological pathways of skeletal muscle dysfunction in chronic obstructive pulmonary disease. Chronic Respiratory Disease, 2016, 13, 297-311.	2.4	55
56	Epigenetic Mechanisms in Respiratory Muscle Dysfunction of Patients with Chronic Obstructive Pulmonary Disease. PLoS ONE, 2014, 9, e111514.	2.5	52
57	Role of heme oxygenases in sepsis-induced diaphragmatic contractile dysfunction and oxidative stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L476-L484.	2.9	51
58	Activation of UCPs gene expression in skeletal muscle can be independent on both circulating fatty acids and food intake. FEBS Letters, 2005, 579, 717-722.	2.8	48
59	Respiratory diseases and muscle dysfunction. Expert Review of Respiratory Medicine, 2012, 6, 75-90.	2.5	47
60	MicroRNA expression and protein acetylation pattern in respiratory and limb muscles of Parp-1â^'/â^' and Parp-2â^'/â^' mice with lung cancer cachexia. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 2530-2543.	2.4	45
61	Respiratory loading intensity and diaphragm oxidative stress: N-acetyl-cysteine effects. Journal of Applied Physiology, 2006, 100, 555-563.	2.5	44
62	Role of PARP activity in lung cancerâ€induced cachexia: Effects on muscle oxidative stress, proteolysis, anabolic markers, and phenotype. Journal of Cellular Physiology, 2017, 232, 3744-3761.	4.1	44
63	Do Epigenetic Events Take Place in the Vastus Lateralis of Patients with Mild Chronic Obstructive Pulmonary Disease?. PLoS ONE, 2014, 9, e102296.	2.5	42
64	The Systemic Inflammome of Severe Obesity before and after Bariatric Surgery. PLoS ONE, 2014, 9, e107859.	2.5	42
65	Occupational risk factors for hand dermatitis among professional cleaners in Spain. Contact Dermatitis, 2012, 66, 188-196.	1.4	40
66	Functional and biological characteristics of asthma in cleaning workers. Respiratory Medicine, 2013, 107, 673-683.	2.9	40
67	Role of Protein Carbonylation in Skeletal Muscle Mass Loss Associated with Chronic Conditions. Proteomes, 2016, 4, 18.	3.5	39
68	Effects of the beta 2 agonist formoterol on atrophy signaling, autophagy, and muscle phenotype in respiratory and limb muscles of rats with cancer-induced cachexia. Biochimie, 2018, 149, 79-91.	2.6	39
69	N-acetylcysteine increases manganese superoxide dismutase activity in septic rat diaphragms. European Respiratory Journal, 2005, 26, 1032-1039.	6.7	38
70	Muscle regeneration potential and satellite cell activation profile during recovery following hindlimb immobilization in mice. Journal of Cellular Physiology, 2018, 233, 4360-4372.	4.1	38
71	B Cells and Tertiary Lymphoid Structures Influence Survival in Lung Cancer Patients with Resectable Tumors. Cancers, 2020, 12, 2644.	3.7	38
72	Epigenetic regulation of muscle phenotype and adaptation: a potential role in COPD muscle dysfunction. Journal of Applied Physiology, 2013, 114, 1263-1272.	2.5	37

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73	Stromal markers of activated tumor associated fibroblasts predict poor survival and are associated with necrosis in non-small cell lung cancer. Lung Cancer, 2019, 135, 151-160.	2.0	36
74	Lipopolysaccharide-induced Diaphragmatic Contractile Dysfunction and Sarcolemmal Injury in Mice Lacking the Neuronal Nitric Oxide Synthase. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 977-982.	5.6	34
75	Protein carbonylation and muscle function in COPD and other conditions. Mass Spectrometry Reviews, 2014, 33, 219-236.	5.4	34
76	Chronic Obstructive Pulmonary Disease heterogeneity: challenges for health risk assessment, stratification and management. Journal of Translational Medicine, 2014, 12, S3.	4.4	34
77	Ventilator-induced diaphragm dysfunction: translational mechanisms lead to therapeutical alternatives in the critically ill. Intensive Care Medicine Experimental, 2019, 7, 48.	1.9	34
78	UCP3 overexpression neutralizes oxidative stress rather than nitrosative stress in mouse myotubes. FEBS Letters, 2009, 583, 350-356.	2.8	33
79	Role of free radicals in vascular dysfunction induced by high tidal volume ventilation. Intensive Care Medicine, 2009, 35, 1110-9.	8.2	33
80	Serum levels of Clara cell secretory protein, asthma, and lung function in the adult general population. Journal of Allergy and Clinical Immunology, 2013, 132, 230-232.e6.	2.9	33
81	Systemic and Tumor Th1 and Th2 Inflammatory Profile and Macrophages in Lung Cancer: Influence of Underlying Chronic Respiratory Disease. Journal of Thoracic Oncology, 2017, 12, 235-248.	1.1	33
82	Structural and functional changes in the skeletal muscles of COPD patients: the "compartments" theory. Monaldi Archives for Chest Disease, 2001, 56, 214-24.	0.6	33
83	Differences in COPD care among doctors who control the disease: General practitioner vs. pneumologist. Respiratory Medicine, 2006, 100, 332-339.	2.9	32
84	Muscle Dysfunction in Patients with Lung Diseases. A Growing Epidemic. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 616-619.	5.6	32
85	Time-Course of Muscle Mass Loss, Damage, and Proteolysis in Gastrocnemius following Unloading and Reloading: Implications in Chronic Diseases. PLoS ONE, 2016, 11, e0164951.	2.5	32
86	Phenotypic and metabolic features of mouse diaphragm and gastrocnemius muscles in chronic lung carcinogenesis: influence of underlying emphysema. Journal of Translational Medicine, 2016, 14, 244.	4.4	29
87	Tumor-associated metabolic and inflammatory responses in early stage non-small cell lung cancer: Local patterns and prognostic significance. Lung Cancer, 2018, 122, 124-130.	2.0	28
88	Therapeutic Approaches in Mitochondrial Dysfunction, Proteolysis, and Structural Alterations of Diaphragm and Gastrocnemius in Rats With Chronic Heart Failure. Journal of Cellular Physiology, 2016, 231, 1495-1513.	4.1	27
89	Models of disuse muscle atrophy: therapeutic implications in critically ill patients. Annals of Translational Medicine, 2018, 6, 29-29.	1.7	27
90	Deficient muscle regeneration potential in sarcopenic COPD patients: Role of satellite cells. Journal of Cellular Physiology, 2021, 236, 3083-3098.	4.1	27

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91	The AP-1/CJUN signaling cascade is involved in muscle differentiation: Implications in muscle wasting during cancer cachexia. FEBS Letters, 2006, 580, 691-696.	2.8	26
92	ActualizaciÃ³n en los mecanismos de disfunciÃ³n muscular en la EPOC. Archivos De Bronconeumologia, 2008, 44, 328-337.	0.8	26
93	Shortâ€•and Longâ€Term Hindlimb Immobilization and Reloading: Profile of Epigenetic Events in Gastrocnemius. Journal of Cellular Physiology, 2017, 232, 1415-1427.	4.1	26
94	Exposure to disinfection by-products in swimming pools and biomarkers of genotoxicity and respiratory damage â€“ The PISCINA2 Study. Environment International, 2019, 131, 104988.	10.0	26
95	Oxidative stress in the external intercostal muscles of patients with obstructive sleep apnoea. Thorax, 2007, 62, 1095-1101.	5.6	25
96	Moving Towards Patient-Centered Medicine for COPD Management: Multidimensional ApproachesversusPhenotype-Based Medicineâ€”A Critical View. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2014, 11, 591-602.	1.6	25
97	Redox Imbalance in Lung Cancer of Patients with Underlying Chronic Respiratory Conditions. Molecular Medicine, 2016, 22, 85-98.	4.4	25
98	Recomendaciones SEPAR de diagnÃ³stico y tratamiento del cÃ¡ncer de pulmÃ³n de cÃ©lulas no pequeÃ±as. Archivos De Bronconeumologia, 2016, 52, 2-62.	0.8	25
99	Endoplasmic reticulum stress and unfolded protein response profile in quadriceps of sarcopenic patients with respiratory diseases. Journal of Cellular Physiology, 2019, 234, 11315-11329.	4.1	25
100	Dietary modulation of oxidative stress in chronic obstructive pulmonary disease patients. Free Radical Research, 2010, 44, 1296-1303.	3.3	24
101	Guidelines for the Evaluation and Treatment of Muscle Dysfunction in Patients With Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2015, 51, 384-395.	0.8	24
102	Sex differences in function and structure of the quadriceps muscle in chronic obstructive pulmonary disease patients. Chronic Respiratory Disease, 2017, 14, 127-139.	2.4	24
103	The phosphodiesterase-4 inhibitor roflumilast reverts proteolysis in skeletal muscle cells of patients with COPD cachexia. Journal of Applied Physiology, 2018, 125, 287-303.	2.5	24
104	Redox balance following magnetic stimulation training in the quadriceps of patients with severe COPD. Free Radical Research, 2008, 42, 939-948.	3.3	23
105	The relation of circulating YKL-40 to levels and decline of lung function in adult life. Respiratory Medicine, 2013, 107, 1923-1930.	2.9	23
106	Epigenetics and muscle dysfunction in chronic obstructive pulmonary disease. Translational Research, 2015, 165, 61-73.	5.0	23
107	DisfunciÃ³n muscular en la enfermedad pulmonar obstructiva crÃ³nica: novedades en la Ãºltima dÃ©cada. Archivos De Bronconeumologia, 2017, 53, 43-44.	0.8	23
108	Glutathione and glutamate levels in the diaphragm of patients with chronic obstructive pulmonary disease. European Respiratory Journal, 2004, 23, 545-551.	6.7	22

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109	Network modules uncover mechanisms of skeletal muscle dysfunction in COPD patients. Journal of Translational Medicine, 2018, 16, 34.	4.4	22
110	Diaphragm plasticity in aging and disease: therapies for muscle weakness go from strength to strength. Journal of Applied Physiology, 2018, 125, 243-253.	2.5	22
111	Phenotypic Clustering in Non-Cystic Fibrosis Bronchiectasis Patients: The Role of Eosinophils in Disease Severity. International Journal of Environmental Research and Public Health, 2021, 18, 8431.	2.6	21
112	Quadriceps muscle strength in scoliosis. European Respiratory Journal, 2009, 34, 1429-1435.	6.7	20
113	Sumario ejecutivo de las recomendaciones SEPAR de diagnÃ³stico y tratamiento del cÃ¡ncer de pulmÃ³n de cÃ©lulas no pequeÃ±as. Archivos De Bronconeumologia, 2016, 52, 378-388.	0.8	20
114	Profile of epigenetic mechanisms in lung tumors of patients with underlying chronic respiratory conditions. Clinical Epigenetics, 2018, 10, 7.	4.1	20
115	Formoterol attenuates increased oxidative stress and myosin protein loss in respiratory and limb muscles of cancer cachectic rats. PeerJ, 2017, 5, e4109.	2.0	20
116	Relationships between chronic obstructive pulmonary disease and lung cancer: biological insights. Journal of Thoracic Disease, 2016, 8, E1122-E1135.	1.4	19
117	Proyecto de biomarcadores y perfiles clÃnicos personalizados en la enfermedad pulmonar obstructiva crÃ³nica (proyecto BIOMEPOC). Archivos De Bronconeumologia, 2019, 55, 93-99.	0.8	18
118	Satellite Cells and Markers of Muscle Regeneration during Unloading and Reloading: Effects of Treatment with Resveratrol and Curcumin. Nutrients, 2020, 12, 1870.	4.1	18
119	Executive Summary of the SEPAR Recommendations for the Diagnosis and Treatment of Non-small Cell Lung Cancer. Archivos De Bronconeumologia, 2016, 52, 378-388.	0.8	17
120	Curcumin and Resveratrol Improve Muscle Function and Structure through Attenuation of Proteolytic Markers in Experimental Cancer-Induced Cachexia. Molecules, 2021, 26, 4904.	3.8	17
121	Soluble guanylate cyclase stimulation reduces oxidative stress in experimental Chronic Obstructive Pulmonary Disease. PLoS ONE, 2018, 13, e0190628.	2.5	17
122	Overexpression of UCP3 in both murine and human myotubes is linked with the activation of proteolytic systems: A role in muscle wasting?. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 253-258.	2.4	16
123	Influence of mechanical ventilation and sepsis on redox balance in diaphragm, myocardium, limb muscles, and lungs. Translational Research, 2014, 164, 477-495.	5.0	16
124	Ausencia de correlaciÃ³n entre marcadores de inflamaciÃ³n pulmonar y sistÃ©mica en pacientes con enfermedad pulmonar obstructiva crÃ³nica: un anÃ¡lisis bi-compartimental simultÃ¡neo. Archivos De Bronconeumologia, 2016, 52, 361-367.	0.8	15
125	Endoplasmic reticulum stress and unfolded protein response in diaphragm muscle dysfunction of patients with stable chronic obstructive pulmonary disease. Journal of Applied Physiology, 2019, 126, 1572-1586.	2.5	15
126	Exercise Training-Induced Extracellular Matrix Protein Adaptation in Locomotor Muscles: A Systematic Review. Cells, 2021, 10, 1022.	4.1	15

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127	Reduced tumor burden through increased oxidative stress in lung adenocarcinoma cells of PARP-1 and PARP-2 knockout mice. Biochimie, 2016, 121, 278-286.	2.6	14
128	Epigenetic regulation of muscle development. Journal of Muscle Research and Cell Motility, 2017, 38, 31-35.	2.0	14
129	Reduced lung cancer burden by selective immunomodulators elicits improvements in muscle proteolysis and strength in cachectic mice. Journal of Cellular Physiology, 2019, 234, 18041-18052.	4.1	14
130	Redox Balance and Cellular Inflammation in the Diaphragm, Limb Muscles, and Lungs of Mechanically Ventilated Rats. Anesthesiology, 2010, 112, 384-394.	2.5	14
131	Activation of Satellite Cells in the Intercostal Muscles of Patients With Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2008, 44, 239-244.	0.8	13
132	Inflammatory Events and Oxidant Production in the Diaphragm, Gastrocnemius, and Blood of Rats Exposed to Chronic Intermittent Hypoxia: Therapeutic Strategies. Journal of Cellular Physiology, 2017, 232, 1165-1175.	4.1	13
133	PARP-1 and PARP-2 activity in cancer-induced cachexia: potential therapeutic implications. Biological Chemistry, 2018, 399, 179-186.	2.5	13
134	Free Radicals, Cytokines, and Respiratory Muscles in COPD Patients. Clinical Pulmonary Medicine, 2007, 14, 117-126.	0.3	12
135	Muscle dysfunction in COPD. Journal of Applied Physiology, 2013, 114, 1220-1221.	2.5	12
136	Clinical management of chronic obstructive pulmonary disease patients with muscle dysfunction. Journal of Thoracic Disease, 2016, 8, 3379-3400.	1.4	12
137	Recomendaciones SEPAR de diagnÃ³stico y tratamiento del cÃ¡ncer de pulmÃ³n de cÃ©lulas no pequeÃ±as. Archivos De Bronconeumologia, 2016, 52, 2-62.	0.8	12
138	Immune Cell Subtypes and Cytokines in Lung Tumor Microenvironment: Influence of COPD. Cancers, 2020, 12, 1217.	3.7	12
139	COVID-19 y la neumologÃa del siglo xxi: Â¿reto u oportunidad?. Archivos De Bronconeumologia, 2020, 56, 411-412.	0.8	12
140	Muscle Phenotype, Proteolysis, and Atrophy Signaling During Reloading in Mice: Effects of Curcumin on the Gastrocnemius. Nutrients, 2020, 12, 388.	4.1	12
141	Reference values of respiratory and peripheral muscle function in rats. Journal of Animal Physiology and Animal Nutrition, 2010, 94, e393-e401.	2.2	11
142	Reduction of Muscle Mass Mediated by Myostatin in an Experimental Model of Pulmonary Emphysema. Archivos De Bronconeumologia, 2011, 47, 590-598.	0.8	11
143	Lipid Overload: Trigger or Consequence of Mitochondrial Oxidative Stress in Ventilator-induced Diaphragmatic Dysfunction?. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 1074-1076.	5.6	11
144	The Muscle Oxidative Regulatory Response to Acute Exercise Is Not Impaired in Less Advanced COPD Despite a Decreased Oxidative Phenotype. PLoS ONE, 2014, 9, e90150.	2.5	11

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145	Update in Chronic Obstructive Pulmonary Disease 2013. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1337-1344.	5.6	11
146	The role of MicroRNAs in COPD muscle dysfunction and mass loss: implications on the clinic. Expert Review of Respiratory Medicine, 2016, 10, 1011-1022.	2.5	11
147	Skeletal muscle dysfunction in COPD: relevance of nutritional support and pulmonary rehabilitation. Journal of Thoracic Disease, 2018, 10, S1330-S1331.	1.4	11
148	Impact of Physical Activity and Exercise on Chronic Obstructive Pulmonary Disease Phenotypes: The Relevance of Muscle Adaptation. Archivos De Bronconeumologia, 2019, 55, 613-614.	0.8	11
149	Open access: Â¿estÃ¡ en peligro la calidad cientÃfica de las publicaciones biomÃ©dicas?. Archivos De Bronconeumologia, 2013, 49, 505-506.	0.8	10
150	Immune phenotypes in lung cancer patients with COPD: potential implications for immunotherapy. Journal of Thoracic Disease, 2018, 10, S2186-S2189.	1.4	10
151	Differential structural features in soleus and gastrocnemius of carnitineâ€treated cancer cachectic rats. Journal of Cellular Physiology, 2020, 235, 526-537.	4.1	10
152	Early detection of skeletal muscle bioenergetic deficit by magnetic resonance spectroscopy in cigarette smoke-exposed mice. PLoS ONE, 2020, 15, e0234606.	2.5	10
153	Morphological and functional recovery from diaphragm injury: an in vivo rat diaphragm injury model. Journal of Applied Physiology, 2001, 90, 2269-2278.	2.5	9
154	Open Access: Is the Scientific Quality of Biomedical Publications Threatened?. Archivos De Bronconeumologia, 2013, 49, 505-506.	0.8	9
155	Lights and shadows of non-invasive mechanical ventilation for chronic obstructive pulmonary disease (COPD) exacerbations. Annals of Thoracic Medicine, 2015, 10, 87.	1.8	9
156	Current controversies in the stepping up and stepping down of inhaled therapies for COPD at the patient level. Respirology, 2018, 23, 818-827.	2.3	9
157	Immunotherapy with Monoclonal Antibodies in Lung Cancer of Mice: Oxidative Stress and Other Biological Events. Cancers, 2019, 11, 1301.	3.7	9
158	Paradoxical results in the study of risk factors of chronic obstructive pulmonary disease (COPD) re-admission. Respiratory Medicine, 2004, 98, 851-857.	2.9	8
159	Time-based gene expression programme following diaphragm injury in a rat model. European Respiratory Journal, 2005, 25, 422-430.	6.7	8
160	Skeletal Muscle Dysfunction in COPD: Novelties in the Last Decade. Archivos De Bronconeumologia, 2017, 53, 43-44.	0.8	8
161	Respiratory muscle senescence in ageing and chronic lung diseases. European Respiratory Review, 2020, 29, 200087.	7.1	8
162	Iron Replacement and Redox Balance in Non-Anemic and Mildly Anemic Iron Deficiency COPD Patients: Insights from a Clinical Trial. Biomedicines, 2021, 9, 1191.	3.2	8

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163	AnÃ¡lisis estructural y expresiÃ³n de los factores de necrosis tumoral y crecimiento insulina-like en los mÃºsculos respiratorios de pacientes con EPOC. Â¿Son vÃ¡lidas las muestras obtenidas en el curso de una toracotomÃa por neoplasia pulmonar localizada?. Archivos De Bronconeumologia, 2004, 40, 209-217.	0.8	7
164	Relationship Between Expiratory Muscle Dysfunction and Dynamic Hyperinflation in Advanced Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2009, 45, 487-495.	0.8	7
165	Common errors in inhalation therapy: Impact and solutions. Clinical Respiratory Journal, 2020, 14, 1001-1010.	1.6	7
166	Prolonged Immobilization Exacerbates the Loss of Muscle Mass and Function Induced by Cancer-Associated Cachexia through Enhanced Proteolysis in Mice. International Journal of Molecular Sciences, 2020, 21, 8167.	4.1	7
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168	Pharmacological Approaches in an Experimental Model of Non-Small Cell Lung Cancer: Effects on Tumor Biology. Current Pharmaceutical Design, 2016, 22, 5300-5310.	1.9	7
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