

Ramon Farr Ventura

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

280
papers

9,345
citations

52
h-index

83
g-index

334
ext. papers

11,277
ext. citations

5.8
avg, IF

5.97
L-index

#	Paper	IF	Citations
280	Clinical significance and applications of oscillometry.. <i>European Respiratory Review</i> , 2022 , 31,	9.8	0
279	Non-invasive Pressure Support Ventilator for Patients with Respiratory Failure in Under Resourced Regions. <i>IFMBE Proceedings</i> , 2022 , 39-52	0.2	
278	Novel Decellularization Method for Tissue Slices.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 832178	5.8	0
277	Baseline Stiffness Modulates the Non-Linear Response to Stretch of the Extracellular Matrix in Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
276	International Consensus Document on Obstructive Sleep Apnea. <i>Archivos De Bronconeumologia</i> , 2021 , 58, 52-52	0.7	12
275	Alternative Procedure to Individual Nasal Pressure Titration for Sleep Apnea. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
274	Photodynamic Therapy in the Extracellular Matrix of Mouse Lungs: Preliminary Results of an Alternative Tissue Sterilization Process. <i>International Journal of Photoenergy</i> , 2021 , 2021, 1-9	2.1	0
273	Realizing the actual magnitudes of aortic diameter and cardiac output: a multisensory learning approach. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2021 , 45, 322-326	1.9	
272	Oxygen Biosensors and Control in 3D Physiomimetic Experimental Models. <i>Antioxidants</i> , 2021 , 10,	7.1	1
271	Experimental Setting for Applying Mechanical Stimuli to Study the Endothelial Response of Ex Vivo Vessels under Realistic Pathophysiological Environments. <i>Life</i> , 2021 , 11,	3	1
270	The force loading rate drives cell mechanosensing through both reinforcement and cytoskeletal softening. <i>Nature Communications</i> , 2021 , 12, 4229	17.4	10
269	Bioprintable Lung Extracellular Matrix Hydrogel Scaffolds for 3D Culture of Mesenchymal Stromal Cells. <i>Polymers</i> , 2021 , 13,	4.5	6
268	The effect of chronic intermittent hypoxia in cardiovascular gene expression is modulated by age in a mice model of sleep apnea. <i>Sleep</i> , 2021 , 44,	1.1	1
267	Circulating exosomes and gut microbiome induced insulin resistance in mice exposed to intermittent hypoxia: Effects of physical activity. <i>EBioMedicine</i> , 2021 , 64, 103208	8.8	8
266	Image-Based Method to Quantify Decellularization of Tissue Sections. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
265	Low-Cost Open-Source Device to Measure Maximal Inspiratory and Expiratory Pressures. <i>Frontiers in Physiology</i> , 2021 , 12, 719372	4.6	1
264	Heterogeneity of Melanoma Cell Responses to Sleep Apnea-Derived Plasma Exosomes and to Intermittent Hypoxia. <i>Cancers</i> , 2021 , 13,	6.6	3

263	Aging Impairs Reverse Remodeling and Recovery of Ventricular Function after Isoproterenol-Induced Cardiomyopathy.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	2
262	Biophysically Preconditioning Mesenchymal Stem Cells Improves Treatment of Ventilator-Induced Lung Injury. <i>Archivos De Bronconeumologia</i> , 2020 , 56, 179-181	0.7	1
261	Lung cancer aggressiveness in an intermittent hypoxia murine model of postmenopausal sleep apnea. <i>Menopause</i> , 2020 , 27, 706-713	2.5	9
260	Quality Assessment of Real-Life Performance of Home Mechanical Ventilators. <i>Archivos De Bronconeumologia</i> , 2020 , 56, 258-259	0.7	
259	COVID-19 and respiratory support devices. <i>Paediatric Respiratory Reviews</i> , 2020 , 35, 61-63	4.8	6
258	Obstructive sleep apnoea and cognitive decline in mild-to-moderate Alzheimer's disease. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	4
257	Silk-Reinforced Collagen Hydrogels with Raised Multiscale Stiffness for Mesenchymal Cells 3D Culture. <i>Tissue Engineering - Part A</i> , 2020 , 26, 358-370	3.9	17
256	Technical standards for respiratory oscillometry. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	96
255	Obstructive sleep apnea intensifies stroke severity following middle cerebral artery occlusion. <i>Sleep Medicine</i> , 2020 , 67, 278-285	4.6	3
254	Surface respiratory electromyography and dyspnea in acute heart failure patients. <i>PLoS ONE</i> , 2020 , 15, e0232225	3.7	2
253	Low-cost, easy-to-build noninvasive pressure support ventilator for under-resourced regions: open source hardware description, performance and feasibility testing. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	29
252	Quality Assessment of Real-Life Performance of Home Mechanical Ventilators. <i>Archivos De Bronconeumologia</i> , 2020 , 56, 258-259	0.7	
251	Biophysically Preconditioning Mesenchymal Stem Cells Improves Treatment of Ventilator-Induced Lung Injury. <i>Archivos De Bronconeumologia</i> , 2020 , 56, 179-181	0.7	5
250	Obesity, sleep apnea, and cancer. <i>International Journal of Obesity</i> , 2020 , 44, 1653-1667	5.5	18
249	Prevalence of obstructive sleep apnea in Alzheimer's disease patients. <i>Journal of Neurology</i> , 2020 , 267, 1012-1022	5.5	7
248	Intra- and Inter-Physician Agreement in Therapeutic Decision for Sleep Apnea Syndrome. <i>Archivos De Bronconeumologia</i> , 2020 , 56, 18-22	0.7	
247	Differential effect of intermittent hypoxia and sleep fragmentation on PD-1/PD-L1 upregulation. <i>Sleep</i> , 2020 , 43,	1.1	18
246	Obesity attenuates the effect of sleep apnea on active TGF- β levels and tumor aggressiveness in patients with melanoma. <i>Scientific Reports</i> , 2020 , 10, 15528	4.9	3

245	First-in-human PeriCord cardiac bioimplant: Scalability and GMP manufacturing of an allogeneic engineered tissue graft. <i>EBioMedicine</i> , 2020 , 54, 102729	8.8	14
244	Sleep Apnoea Adverse Effects on Cancer: True, False, or Too Many Confounders?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
243	The conventional isoproterenol-induced heart failure model does not consistently mimic the diaphragmatic dysfunction observed in patients. <i>PLoS ONE</i> , 2020 , 15, e0236923	3.7	0
242	Proangiogenic factor midkine is increased in melanoma patients with sleep apnea and induces tumor cell proliferation. <i>FASEB Journal</i> , 2020 , 34, 16179-16190	0.9	3
241	Intrahepatic Expression of Fatty Acid Translocase CD36 Is Increased in Obstructive Sleep Apnea. <i>Frontiers in Medicine</i> , 2020 , 7, 450	4.9	3
240	Mobile health application to support CPAP therapy in obstructive sleep apnoea: design, feasibility and perspectives. <i>ERJ Open Research</i> , 2020 , 6,	3.5	4
239	Effect of age on the cardiovascular remodelling induced by chronic intermittent hypoxia as a murine model of sleep apnoea. <i>Respirology</i> , 2020 , 25, 312-320	3.6	8
238	Understanding the pathophysiological mechanisms of cardiometabolic complications in obstructive sleep apnoea: towards personalised treatment approaches. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	12
237	Follicular Activation and Stem Cell Therapy as a Novel Treatment Strategies in Diminished Ovarian Reserve and Primary Ovarian Insufficiency. <i>Frontiers in Endocrinology</i> , 2020 , 11, 617704	5.7	4
236	Surface respiratory electromyography and dyspnea in acute heart failure patients 2020 , 15, e0232225		
235	Surface respiratory electromyography and dyspnea in acute heart failure patients 2020 , 15, e0232225		
234	Surface respiratory electromyography and dyspnea in acute heart failure patients 2020 , 15, e0232225		
233	Surface respiratory electromyography and dyspnea in acute heart failure patients 2020 , 15, e0232225		
232	Biomechanical Response of Lung Epithelial Cells to Iron Oxide and Titanium Dioxide Nanoparticles. <i>Frontiers in Physiology</i> , 2019 , 10, 1047	4.6	4
231	Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 540-544	5.7	23
230	Age-dependent hypoxia-induced PD-L1 upregulation in patients with obstructive sleep apnoea. <i>Respirology</i> , 2019 , 24, 684-692	3.6	17
229	Accuracy of one-night actigraphy for estimating sleep in patients with sleep apnea. <i>Sleep Medicine</i> , 2019 , 63, 3-4	4.6	2
228	Nonlinear elasticity of the lung extracellular microenvironment is regulated by macroscale tissue strain. <i>Acta Biomaterialia</i> , 2019 , 92, 265-276	10.8	18

227	Easy-to-build and affordable continuous positive airway pressure CPAP device for adult patients in low-income countries. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	6
226	Chronic Sleep Fragmentation Mimicking Sleep Apnea Does Not Worsen Left-Ventricular Function in Healthy and Heart Failure Mice. <i>Frontiers in Neurology</i> , 2019 , 10, 1364	4.1	2
225	Cancer and Sleep Apnea: Cutaneous Melanoma as a Case Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 1345-1353	10.2	19
224	Placental oxygen transfer reduces hypoxia-reoxygenation swings in fetal blood in a sheep model of gestational sleep apnea. <i>Journal of Applied Physiology</i> , 2019 , 127, 745-752	3.7	6
223	Aortic remodelling induced by obstructive apneas is normalized with mesenchymal stem cells infusion. <i>Scientific Reports</i> , 2019 , 9, 11443	4.9	9
222	Telematic Multi-physician Decision-making for Improving CPAP Prescription in Sleep Apnoea. <i>Archivos De Bronconeumologia</i> , 2019 , 55, 604-606	0.7	
221	Comprehensive management of obstructive sleep apnea by telemedicine: Clinical improvement and cost-effectiveness of a Virtual Sleep Unit. A randomized controlled trial. <i>PLoS ONE</i> , 2019 , 14, e0224069	3.7	16
220	Respiratory mechanics 2019 , 48-53		
219	Telematic Multi-physician Decision-making for Improving CPAP Prescription in Sleep Apnoea. <i>Archivos De Bronconeumologia</i> , 2019 , 55, 604-606	0.7	2
218	Differential Oxygenation in Tumor Microenvironment Modulates Macrophage and Cancer Cell Crosstalk: Novel Experimental Setting and Proof of Concept. <i>Frontiers in Oncology</i> , 2019 , 9, 43	5.3	30
217	An in-vitro study to evaluate high-volume low-pressure endotracheal tube cuff deflation dynamics. <i>Minerva Anestesiologica</i> , 2019 , 85, 846-853	1.9	2
216	Escherichia coli lipopolysaccharide induces alveolar epithelial cell stiffening. <i>Journal of Biomechanics</i> , 2019 , 83, 315-318	2.9	4
215	Soluble PD-L1 is a potential biomarker of cutaneous melanoma aggressiveness and metastasis in obstructive sleep apnoea patients. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	16
214	Novel Approach for Providing Pediatric Continuous Positive Airway Pressure Devices in Low-Income, Underresourced Regions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 118-120	10.2	8
213	Challenges in obstructive sleep apnoea. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 170-172	35.1	35
212	Bioengineered Lungs: A Challenge and An Opportunity. <i>Archivos De Bronconeumologia</i> , 2018 , 54, 31-38	0.7	1
211	Bioengineered Lungs: A Challenge and An Opportunity. <i>Archivos De Bronconeumologia</i> , 2018 , 54, 31-38	0.7	8
210	Head-to-head comparison of two engineered cardiac grafts for myocardial repair: From scaffold characterization to pre-clinical testing. <i>Scientific Reports</i> , 2018 , 8, 6708	4.9	32

209	Sleep Apnea Morbidity: A Consequence of Microbial-Immune Cross-Talk?. <i>Chest</i> , 2018 , 154, 754-759	5.3	30
208	Telemonitoring in Chronic Obstructive Pulmonary Disease (CHROMED). A Randomized Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 620-628	10.2	70
207	Biomarkers of carcinogenesis and tumour growth in patients with cutaneous melanoma and obstructive sleep apnoea. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	16
206	Is Telemedicine a Key Tool for Improving Continuous Positive Airway Pressure Adherence in Patients with Sleep Apnea?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 12-14	10.2	15
205	Acetylsalicylic Acid Prevents Intermittent Hypoxia-Induced Vascular Remodeling in a Murine Model of Sleep Apnea. <i>Frontiers in Physiology</i> , 2018 , 9, 600	4.6	9
204	Alzheimer's Disease Mutant Mice Exhibit Reduced Brain Tissue Stiffness Compared to Wild-type Mice in both Normoxia and following Intermittent Hypoxia Mimicking Sleep Apnea. <i>Frontiers in Neurology</i> , 2018 , 9, 1	4.1	124
203	Intermittent Hypoxia Is Associated With High Hypoxia Inducible Factor-1 but Not High Vascular Endothelial Growth Factor Cell Expression in Tumors of Cutaneous Melanoma Patients. <i>Frontiers in Neurology</i> , 2018 , 9, 272	4.1	9
202	Aging Reduces Intermittent Hypoxia-induced Lung Carcinoma Growth in a Mouse Model of Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 1234-1236	10.2	17
201	Mimicking a flow-limited human upper airway using a collapsible tube: relationships between flow patterns and pressures in a respiratory model. <i>Journal of Applied Physiology</i> , 2018 , 125, 605-614	3.7	4
200	A Portable Continuous Positive Airway Pressure Device That Can Perform Optimally under Strenuous Conditions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 956-958	10.2	
199	Passive Stiffness of Left Ventricular Myocardial Tissue Is Reduced by Ovariectomy in a Post-menopause Mouse Model. <i>Frontiers in Physiology</i> , 2018 , 9, 1545	4.6	7
198	Gas Partial Pressure in Cultured Cells: Patho-Physiological Importance and Methodological Approaches. <i>Frontiers in Physiology</i> , 2018 , 9, 1803	4.6	15
197	Intermittent Hypoxia Severity in Animal Models of Sleep Apnea. <i>Frontiers in Physiology</i> , 2018 , 9, 1556	4.6	27
196	Equine lung decellularization: a potential approach for in vitro modeling the role of the extracellular matrix in asthma. <i>Journal of Tissue Engineering</i> , 2018 , 9, 2041731418810164	7.5	8
195	Intermittent Hypoxia Mimicking Sleep Apnea Increases Passive Stiffness of Myocardial Extracellular Matrix. A Multiscale Study. <i>Frontiers in Physiology</i> , 2018 , 9, 1143	4.6	22
194	Sleep-Disordered Breathing Is Independently Associated With Increased Aggressiveness of Cutaneous Melanoma: A Multicenter Observational Study in 443 Patients. <i>Chest</i> , 2018 , 154, 1348-1358	5.3	40
193	Challenges and perspectives in obstructive sleep apnoea: Report by an working group of the Sleep Disordered Breathing Group of the European Respiratory Society and the European Sleep Research Society. <i>European Respiratory Journal</i> , 2018 , 52,	13.6	91
192	A New mHealth application to support treatment of sleep apnoea patients. <i>Journal of Telemedicine and Telecare</i> , 2017 , 23, 14-18	6.8	28

191	Obstructive sleep apnea and Fuhrman grade in patients with clear cell renal cell carcinoma treated surgically. <i>World Journal of Urology</i> , 2017 , 35, 51-56	4	10
190	Chronic intermittent hypoxia mimicking sleep apnoea increases spontaneous tumorigenesis in mice. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	20
189	Ageing and chronic intermittent hypoxia mimicking sleep apnea do not modify local brain tissue stiffness in healthy mice. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 71, 106-113	4.1	9
188	Role of Cyclooxygenase-2 on Intermittent Hypoxia-Induced Lung Tumor Malignancy in a Mouse Model of Sleep Apnea. <i>Scientific Reports</i> , 2017 , 7, 44693	4.9	30
187	Hypoxia-induced PD-L1/PD-1 crosstalk impairs T-cell function in sleep apnoea. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	58
186	Intermittent hypoxia increases kidney tumor vascularization in a murine model of sleep apnea. <i>PLoS ONE</i> , 2017 , 12, e0179444	3.7	23
185	A prospective multicenter cohort study of cutaneous melanoma: clinical staging and potential associations with HIF-1 α and VEGF expressions. <i>Melanoma Research</i> , 2017 , 27, 558-564	3.3	19
184	Temporal trajectories of novel object recognition performance in mice exposed to intermittent hypoxia. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	12
183	Frequency and magnitude of intermittent hypoxia modulate endothelial wound healing in a cell culture model of sleep apnea. <i>Journal of Applied Physiology</i> , 2017 , 123, 1047-1054	3.7	10
182	Altered CD8+ T-Cell Lymphocyte Function and TC1 Cell Stemness Contribute to Enhanced Malignant Tumor Properties in Murine Models of Sleep Apnea. <i>Sleep</i> , 2017 , 40,	1.1	28
181	Probing Micromechanical Properties of the Extracellular Matrix of Soft Tissues by Atomic Force Microscopy. <i>Journal of Cellular Physiology</i> , 2017 , 232, 19-26	7	63
180	Exosomes and Metabolic Function in Mice Exposed to Alternating Dark-Light Cycles Mimicking Night Shift Work Schedules. <i>Frontiers in Physiology</i> , 2017 , 8, 882	4.6	30
179	Effects of two different decellularization routes on the mechanical properties of decellularized lungs. <i>PLoS ONE</i> , 2017 , 12, e0178696	3.7	11
178	An Official American Thoracic Society Workshop Report: Noninvasive Identification of Inspiratory Flow Limitation in Sleep Studies. <i>Annals of the American Thoracic Society</i> , 2017 , 14, 1076-1085	4.7	13
177	Tumor Cell Malignant Properties Are Enhanced by Circulating Exosomes in Sleep Apnea. <i>Chest</i> , 2016 , 150, 1030-1041	5.3	40
176	Chronic Sleep Disruption Alters Gut Microbiota, Induces Systemic and Adipose Tissue Inflammation and Insulin Resistance in Mice. <i>Scientific Reports</i> , 2016 , 6, 35405	4.9	191
175	Normoxic Recovery Mimicking Treatment of Sleep Apnea Does Not Reverse Intermittent Hypoxia-Induced Bacterial Dysbiosis and Low-Grade Endotoxemia in Mice. <i>Sleep</i> , 2016 , 39, 1891-1897	1.1	49
174	Obstructive sleep apnea and cancer: Epidemiologic links and theoretical biological constructs. <i>Sleep Medicine Reviews</i> , 2016 , 27, 43-55	10.2	71

173	Intermittent Hypoxia-Induced Cardiovascular Remodeling Is Reversed by Normoxia in a Mouse Model of Sleep Apnea. <i>Chest</i> , 2016 , 149, 1400-8	5.3	47
172	Behavior of vascular resistance undergoing various pressure insufflation and perfusion on decellularized lungs. <i>Journal of Biomechanics</i> , 2016 , 49, 1230-1232	2.9	10
171	Early Impairment of Lung Mechanics in a Murine Model of Marfan Syndrome. <i>PLoS ONE</i> , 2016 , 11, e0152124	3.7	18
170	Circulating exosomes potentiate tumor malignant properties in a mouse model of chronic sleep fragmentation. <i>Oncotarget</i> , 2016 , 7, 54676-54690	3.3	45
169	Novel Approach to Simulate Sleep Apnea Patients for Evaluating Positive Pressure Therapy Devices. <i>PLoS ONE</i> , 2016 , 11, e0151530	3.7	7
168	A Novel Chip for Cyclic Stretch and Intermittent Hypoxia Cell Exposures Mimicking Obstructive Sleep Apnea. <i>Frontiers in Physiology</i> , 2016 , 7, 319	4.6	32
167	Lung bioengineering: physical stimuli and stem/progenitor cell biology interplay towards biofabricating a functional organ. <i>Respiratory Research</i> , 2016 , 17, 161	7.3	12
166	Impact of different hypopnea definitions on obstructive sleep apnea severity and cardiovascular mortality risk in women and elderly individuals. <i>Sleep Medicine</i> , 2016 , 27-28, 54-58	4.6	23
165	Technology for noninvasive mechanical ventilation: looking into the black box. <i>ERJ Open Research</i> , 2016 , 2,	3.5	11
164	Relationship Between Sleep Apnea and Cancer. <i>Archivos De Bronconeumologia</i> , 2015 , 51, 456-61	0.7	12
163	Adipose tissue macrophage polarization by intermittent hypoxia in a mouse model of OSA: effect of tumor microenvironment. <i>Cancer Letters</i> , 2015 , 361, 233-9	9.9	48
162	Development of a Bronchial Wall Model: Triple Culture on a Decellularized Porcine Trachea. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 909-21	2.9	12
161	Relationship Between Sleep Apnea and Cancer. <i>Archivos De Bronconeumologia</i> , 2015 , 51, 456-461	0.7	8
160	Parabiotic model for differentiating local and systemic effects of continuous and intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2015 , 118, 42-7	3.7	3
159	Putative Links Between Sleep Apnea and Cancer: From Hypotheses to Evolving Evidence. <i>Chest</i> , 2015 , 148, 1140-1147	5.3	46
158	Negative Expiratory Pressure Technique: An Awake Test to Measure Upper Airway Collapsibility in Adolescents. <i>Sleep</i> , 2015 , 38, 1783-91	1.1	7
157	Comparative assessment of several automatic CPAP devices Responses: a bench test study. <i>ERJ Open Research</i> , 2015 , 1,	3.5	11
156	Pressure- and flow-controlled media perfusion differently modify vascular mechanics in lung decellularization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 49, 69-79	4.1	24

155	A Bayesian cost-effectiveness analysis of a telemedicine-based strategy for the management of sleep apnoea: a multicentre randomised controlled trial. <i>Thorax</i> , 2015 , 70, 1054-61	7.3	70
154	Effect of CPAP on Cognition, Brain Function, and Structure Among Elderly Patients With OSA: A Randomized Pilot Study. <i>Chest</i> , 2015 , 148, 1214-1223	5.3	68
153	Increased upper airway collapsibility in a mouse model of Marfan syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 207, 58-60	2.8	4
152	Intermittent hypoxia alters gut microbiota diversity in a mouse model of sleep apnoea. <i>European Respiratory Journal</i> , 2015 , 45, 1055-65	13.6	129
151	In vitro comparative study of two decellularization protocols in search of an optimal myocardial scaffold for recellularization. <i>American Journal of Translational Research (discontinued)</i> , 2015 , 7, 558-73	3	33
150	Mechanical properties of mouse lungs along organ decellularization by sodium dodecyl sulfate. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 200, 1-5	2.8	29
149	Effect of ovariectomy on inflammation induced by intermittent hypoxia in a mouse model of sleep apnea. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 202, 71-4	2.8	15
148	Effects of the decellularization method on the local stiffness of acellular lungs. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 412-22	2.9	44
147	Mechanical properties of acellular mouse lungs after sterilization by gamma irradiation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 40, 168-177	4.1	29
146	Atrial fibrosis in a chronic murine model of obstructive sleep apnea: mechanisms and prevention by mesenchymal stem cells. <i>Respiratory Research</i> , 2014 , 15, 54	7.3	37
145	Heterogeneous micromechanical properties of the extracellular matrix in healthy and infarcted hearts. <i>Acta Biomaterialia</i> , 2014 , 10, 3235-42	10.8	38
144	Obstructive sleep apnea is associated with cancer mortality in younger patients. <i>Sleep Medicine</i> , 2014 , 15, 742-8	4.6	102
143	Inhomogeneity of local stiffness in the extracellular matrix scaffold of fibrotic mouse lungs. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 37, 186-95	4.1	43
142	Effects of freezing/thawing on the mechanical properties of decellularized lungs. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 413-9	5.4	67
141	Management of sleep apnea without high pretest probability or with comorbidities by three nights of portable sleep monitoring. <i>Sleep</i> , 2014 , 37, 1363-73	1.1	45
140	Brain tissue hypoxia and oxidative stress induced by obstructive apneas is different in young and aged rats. <i>Sleep</i> , 2014 , 37, 1249-56	1.1	23
139	Intermittent hypoxia-induced changes in tumor-associated macrophages and tumor malignancy in a mouse model of sleep apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 593-601	10.2	132
138	Oxygen diffusion and consumption in extracellular matrix gels: implications for designing three-dimensional cultures. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2776-84	5.4	41

137	Low oxygen tension enhances the generation of lung progenitor cells from mouse embryonic and induced pluripotent stem cells. <i>Physiological Reports</i> , 2014 , 2, e12075	2.6	21
136	Association between sleep disordered breathing and aggressiveness markers of malignant cutaneous melanoma. <i>European Respiratory Journal</i> , 2014 , 43, 1661-8	13.6	72
135	Association of Sleep Apnea and Cancer: From Animal Studies to Human Epidemiologic Data 2014 , 121-136		1
134	Male fertility is reduced by chronic intermittent hypoxia mimicking sleep apnea in mice. <i>Sleep</i> , 2014 , 37, 1757-65	1.1	41
133	Telemedicine-based approach for obstructive sleep apnea management: building evidence. <i>Interactive Journal of Medical Research</i> , 2014 , 3, e6	2.1	29
132	Forced Oscillation Technique 2014 , 137-148		1
131	Use of FOT for Optimising Mechanical Ventilation 2014 , 381-395		
130	Association between obstructive sleep apnea and cancer incidence in a large multicenter Spanish cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 99-105	10.2	259
129	Chronic intermittent hypoxia preserves bone density in a mouse model of sleep apnea. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 646-8	2.8	14
128	The effects of intermittent hypoxia on redox status, NF-B activation, and plasma lipid levels are dependent on the lowest oxygen saturation. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1143-1154	7.8	28
127	Local micromechanical properties of decellularized lung scaffolds measured with atomic force microscopy. <i>Acta Biomaterialia</i> , 2013 , 9, 6852-9	10.8	56
126	Intermittent hypoxia increases melanoma metastasis to the lung in a mouse model of sleep apnea. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 186, 303-7	2.8	106
125	Antioxidant effect of human adult adipose-derived stromal stem cells in alveolar epithelial cells undergoing stretch. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 188, 1-8	2.8	10
124	Reply: Obstructive sleep apnea and cancer: is it time to study organ-specific cancers?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 399-400	10.2	
123	Reply: sleep-disordered breathing, hypoxemia, and cancer mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 331-2	10.2	1
122	An in vitro study to assess determinant features associated with fluid sealing in the design of endotracheal tube cuffs and exerted tracheal pressures. <i>Critical Care Medicine</i> , 2013 , 41, 518-26	1.4	41
121	Barrier-protective effects of activated protein C in human alveolar epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e56965	3.7	18
120	Cost-effectiveness of a new internet-based monitoring tool for neonatal post-discharge home care. <i>Journal of Medical Internet Research</i> , 2013 , 15, e38	7.6	12

119	A bioreactor for subjecting cultured cells to fast-rate intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 182, 47-52	2.8	12
118	Sleep-disordered breathing and cancer mortality: results from the Wisconsin Sleep Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 190-4	10.2	287
117	Rapid detection of sepsis in rats through volatile organic compounds in breath. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 881-882, 76-82	3.2	26
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