Ramon FarrÃ© Ventura

List of Publications by Year
in descending order

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326	12,981	23500	37111
papers	citations	58 h-index	96 g-index

334	334	334	10899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-invasive Pressure Support Ventilator for Patients with Respiratory Failure in Under Resourced Regions. IFMBE Proceedings, 2022, , 39-52.	0.2	0
2	Clinical significance and applications of oscillometry. European Respiratory Review, 2022, 31, 210208.	3.0	64
3	Novel Decellularization Method for Tissue Slices. Frontiers in Bioengineering and Biotechnology, 2022, 10, 832178.	2.0	15
4	Systematic reviews and meta-analyses in animal model research: as necessary, and with similar pros and cons, as in patient research. European Respiratory Journal, 2022, 59, 2102438.	3.1	2
5	Mechanical ventilation promotes lung tumour spread by modulation of cholesterol cell content. European Respiratory Journal, 2022, 60, 2101470.	3.1	7
6	Aging Impairs Reverse Remodeling and Recovery of Ventricular Function after Isoproterenol-Induced Cardiomyopathy. International Journal of Molecular Sciences, 2022, 23, 174.	1.8	5
7	Lung Extracellular Matrix Hydrogels Enhance Preservation of Type II Phenotype in Primary Alveolar Epithelial Cells. International Journal of Molecular Sciences, 2022, 23, 4888.	1.8	8
8	hLMSC Secretome Affects Macrophage Activity Differentially Depending on Lung-Mimetic Environments. Cells, 2022, 11, 1866.	1.8	7
9	The effect of chronic intermittent hypoxia in cardiovascular gene expression is modulated by age in a mice model of sleep apnea. Sleep, 2021, 44, .	0.6	11
10	Circulating exosomes and gut microbiome induced insulin resistance in mice exposed to intermittent hypoxia: Effects of physical activity. EBioMedicine, 2021, 64, 103208.	2.7	35
11	A Mouse Model Suggests That Heart Failure and Its Common Comorbidity Sleep Fragmentation Have No Synergistic Impacts on the Gut Microbiome. Microorganisms, 2021, 9, 641.	1.6	4
12	Alternative Procedure to Individual Nasal Pressure Titration for Sleep Apnea. Journal of Clinical Medicine, 2021, 10, 1453.	1.0	4
13	Photodynamic Therapy in the Extracellular Matrix of Mouse Lungs: Preliminary Results of an Alternative Tissue Sterilization Process. International Journal of Photoenergy, 2021, 2021, 1-9.	1.4	1
14	Realizing the actual magnitudes of aortic diameter and cardiac output: a multisensory learning approach. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 322-326.	0.8	0
15	Open access spreadsheet application for learning spontaneous breathing mechanics and mechanical ventilation. Breathe, 2021, 17, 210012.	0.6	1
16	Oxygen Biosensors and Control in 3D Physiomimetic Experimental Models. Antioxidants, 2021, 10, 1165.	2.2	6
17	Experimental Setting for Applying Mechanical Stimuli to Study the Endothelial Response of Ex Vivo Vessels under Realistic Pathophysiological Environments. Life, 2021, 11, 671.	1.1	1
18	The force loading rate drives cell mechanosensing through both reinforcement and cytoskeletal softening. Nature Communications, 2021, 12, 4229.	5.8	48

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19	Bioprintable Lung Extracellular Matrix Hydrogel Scaffolds for 3D Culture of Mesenchymal Stromal Cells. Polymers, 2021, 13, 2350.	2.0	26
20	Image-Based Method to Quantify Decellularization of Tissue Sections. International Journal of Molecular Sciences, 2021, 22, 8399.	1.8	7
21	Low-Cost Open-Source Device to Measure Maximal Inspiratory and Expiratory Pressures. Frontiers in Physiology, 2021, 12, 719372.	1.3	4
22	Telemedicine Strategy to Rescue CPAP Therapy in Sleep Apnea Patients with Low Treatment Adherence: A Pilot Study. Journal of Clinical Medicine, 2021, 10, 4123.	1.0	4
23	Heterogeneity of Melanoma Cell Responses to Sleep Apnea-Derived Plasma Exosomes and to Intermittent Hypoxia. Cancers, 2021, 13, 4781.	1.7	11
24	Human experimental models: seeking to enhance multiscale research in sleep apnoea. European Respiratory Journal, 2021, 58, 2101169.	3.1	2
25	Effect of aging on gut microbiota, intestinal permeability and inflammation in a mouse model of obstructive sleep apnea. , 2021, , .		0
26	International consensus document on obstructive sleep apnea. Archivos De Bronconeumologia, 2021, , .	0.4	2
27	Baseline Stiffness Modulates the Non-Linear Response to Stretch of the Extracellular Matrix in Pulmonary Fibrosis. International Journal of Molecular Sciences, 2021, 22, 12928.	1.8	17
28	A Low-Cost, Easy-to-Assemble Device to Prevent Infant Hyperthermia under Conditions of High Thermal Stress. International Journal of Environmental Research and Public Health, 2021, 18, 13382.	1.2	2
29	Effect of age on the cardiovascular remodelling induced by chronic intermittent hypoxia as a murine model of sleep apnoea. Respirology, 2020, 25, 312-320.	1.3	19
30	Prevalence of obstructive sleep apnea in Alzheimerâ€™s disease patients. Journal of Neurology, 2020, 267, 1012-1022.	1.8	23
31	Intra- and Inter-Physician Agreement in Therapeutic Decision for Sleep Apnea Syndrome. Archivos De Bronconeumologia, 2020, 56, 18-22.	0.4	1
32	Differential effect of intermittent hypoxia and sleep fragmentation on PD-1/PD-L1 upregulation. Sleep, 2020, 43, .	0.6	31
33	Obesity attenuates the effect of sleep apnea on active TGF-ÃŸ1 levels and tumor aggressiveness in patients with melanoma. Scientific Reports, 2020, 10, 15528.	1.6	8
34	First-in-human PeriCord cardiac bioimplant: Scalability and GMP manufacturing of an allogeneic engineered tissue graft. EBioMedicine, 2020, 54, 102729.	2.7	27
35	Sleep Apnoea Adverse Effects on Cancer: True, False, or Too Many Confounders?. International Journal of Molecular Sciences, 2020, 21, 8779.	1.8	32
36	The conventional isoproterenol-induced heart failure model does not consistently mimic the diaphragmatic dysfunction observed in patients. PLoS ONE, 2020, 15, e0236923.	1.1	2

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37	Proangiogenic factor midkine is increased in melanoma patients with sleep apnea and induces tumor cell proliferation. FASEB Journal, 2020, 34, 16179-16190.	0.2	11
38	Intrahepatic Expression of Fatty Acid Translocase CD36 Is Increased in Obstructive Sleep Apnea. Frontiers in Medicine, 2020, 7, 450.	1.2	8
39	Oscillometry: old physiology with a bright future. European Respiratory Journal, 2020, 56, 2001815.	3.1	12
40	Mobile health application to support CPAP therapy in obstructive sleep apnoea: design, feasibility and perspectives. ERJ Open Research, 2020, 6, 00220-2019.	1.1	15
41	Intermittent hypoxia featuring the obstructive sleep apnea syndrome contributes to hepatosteatosis by upregulating the intrahepatic expression of fatty acid translocase CD36 and lipogenic genes. Journal of Hepatology, 2020, 73, S657-S658.	1.8	0
42	Biophysically Preconditioning Mesenchymal Stem Cells Improves Treatment of Ventilator-Induced Lung Injury. Archivos De Bronconeumologia, 2020, 56, 179-181.	0.4	2
43	Lung cancer aggressiveness in an intermittent hypoxia murine model of postmenopausal sleep apnea. Menopause, 2020, 27, 706-713.	0.8	13
44	Quality Assessment of Real-Life Performance of Home Mechanical Ventilators. Archivos De Bronconeumologia, 2020, 56, 258-259.	0.4	0
45	COVID-19 and respiratory support devices. Paediatric Respiratory Reviews, 2020, 35, 61-63.	1.2	13
46	Obstructive sleep apnoea and cognitive decline in mild-to-moderate Alzheimer's disease. European Respiratory Journal, 2020, 56, 2000523.	3.1	21
47	Silk-Reinforced Collagen Hydrogels with Raised Multiscale Stiffness for Mesenchymal Cells 3D Culture. Tissue Engineering - Part A, 2020, 26, 358-370.	1.6	33
48	Technical standards for respiratory oscillometry. European Respiratory Journal, 2020, 55, 1900753.	3.1	311
49	Obstructive sleep apnea intensifies stroke severity following middle cerebral artery occlusion. Sleep Medicine, 2020, 67, 278-285.	0.8	10
50	Surface respiratory electromyography and dyspnea in acute heart failure patients. PLoS ONE, 2020, 15, e0232225.	1.1	4
51	Low-cost, easy-to-build noninvasive pressure support ventilator for under-resourced regions: open source hardware description, performance and feasibility testing. European Respiratory Journal, 2020, 55, 2000846.	3.1	58
52	Understanding the pathophysiological mechanisms of cardiometabolic complications in obstructive sleep apnoea: towards personalised treatment approaches. European Respiratory Journal, 2020, 56, 1902295.	3.1	37
53	In Vitro Follicular Activation and Stem Cell Therapy as a Novel Treatment Strategies in Diminished Ovarian Reserve and Primary Ovarian Insufficiency. Frontiers in Endocrinology, 2020, 11, 617704.	1.5	17
54	Biophysically Preconditioning Mesenchymal Stem Cells Improves Treatment of Ventilator-Induced Lung Injury. Archivos De Bronconeumologia, 2020, 56, 179-181.	0.4	12

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55	Obesity, sleep apnea, and cancer. International Journal of Obesity, 2020, 44, 1653-1667.	1.6	53
56	Quality Assessment of Real-Life Performance of Home Mechanical Ventilators. Archivos De Bronconeumologia, 2020, 56, 258-259.	0.4	0
57	Late Breaking Abstract - IPF lung-ECM subjected to cyclic stretch affect cellular activity. , 2020, , .		0
58	Late Breaking Abstract - Impact of cyclic stretch on lung mesenchymal stem cells cultured on lung-extracellular matrix hydrogels. , 2020, , .		0
59	Diaphragm dysfunction in isoproterenol-induced heart failure. , 2020, , .		0
60	Late Breaking Abstract - 3D culturing mesenchymal stem cells in lung extracellular matrix hydrogels affects their homing potential. , 2020, , .		0
61	Surface respiratory electromyography and dyspnea in acute heart failure patients. , 2020, 15, e0232225.		0
62	Surface respiratory electromyography and dyspnea in acute heart failure patients. , 2020, 15, e0232225.		0
63	Surface respiratory electromyography and dyspnea in acute heart failure patients. , 2020, 15, e0232225.		0
64	Surface respiratory electromyography and dyspnea in acute heart failure patients. , 2020, 15, e0232225.		0
65	Cancer and Sleep Apnea: Cutaneous Melanoma as a Case Study. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1345-1353.	2.5	35
66	Placental oxygen transfer reduces hypoxia-reoxygenation swings in fetal blood in a sheep model of gestational sleep apnea. Journal of Applied Physiology, 2019, 127, 745-752.	1.2	13
67	Aortic remodelling induced by obstructive apneas is normalized with mesenchymal stem cells infusion. Scientific Reports, 2019, 9, 11443.	1.6	13
68	Telematic Multi-physician Decision-making for Improving CPAP Prescription in Sleep Apnoea. Archivos De Bronconeumologia, 2019, 55, 604-606.	0.4	0
69	Comprehensive management of obstructive sleep apnea by telemedicine: Clinical improvement and cost-effectiveness of a Virtual Sleep Unit. A randomized controlled trial. PLoS ONE, 2019, 14, e0224069.	1.1	38
70	Biomechanical Response of Lung Epithelial Cells to Iron Oxide and Titanium Dioxide Nanoparticles. Frontiers in Physiology, 2019, 10, 1047.	1.3	10
71	Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 540-544.	1.4	43
72	Ageâ€dependent hypoxiaâ€induced PDâ€L1 upregulation in patients with obstructive sleep apnoea. Respirology, 2019, 24, 684-692.	1.3	27

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73	Accuracy of one-night actigraphy for estimating sleep in patients with sleep apnea. Sleep Medicine, 2019, 63, 3-4.	0.8	3
74	Nonlinear elasticity of the lung extracellular microenvironment is regulated by macroscale tissue strain. Acta Biomaterialia, 2019, 92, 265-276.	4.1	49
75	Easy-to-build and affordable continuous positive airway pressure CPAP device for adult patients in low-income countries. European Respiratory Journal, 2019, 53, 1802290.	3.1	12
76	Differential Oxygenation in Tumor Microenvironment Modulates Macrophage and Cancer Cell Crosstalk: Novel Experimental Setting and Proof of Concept. Frontiers in Oncology, 2019, 9, 43.	1.3	56
77	An in-vitro study to evaluate high-volume low-pressure endotracheal tube cuff deflation dynamics. Minerva Anestesiologica, 2019, 85, 846-853.	0.6	3
78	Escherichia coli lipopolysaccharide induces alveolar epithelial cell stiffening. Journal of Biomechanics, 2019, 83, 315-318.	0.9	5
79	Soluble PD-L1 is a potential biomarker of cutaneous melanoma aggressiveness and metastasis in obstructive sleep apnoea patients. European Respiratory Journal, 2019, 53, 1801298.	3.1	27
80	Novel Approach for Providing Pediatric Continuous Positive Airway Pressure Devices in Low-Income, Underresourced Regions. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 118-120.	2.5	12
81	Chronic Sleep Fragmentation Mimicking Sleep Apnea Does Not Worsen Left-Ventricular Function in Healthy and Heart Failure Mice. Frontiers in Neurology, 2019, 10, 1364.	1.1	5
82	Respiratory mechanics. , 2019, , 48-53.		0
83	Late Breaking Abstract - Fetal blood hypoxia/reoxygenation swings are reduced by placental oxygen transfer in a model ovine pregnancy with sleep apnea. , 2019, , .		0
84	Intermittent hypoxia and fragmentation of the dream induce the appearance of hepatic steatosis. , 2019, , .		0
85	Lung extracellular matrix hydrogel for 3D bioprinting of lung mesenchymal stem cells. , 2019, , .		1
86	Role of hypercapnia in LPS injured human primary alveolar cells. , 2019, , .		0
87	Sleep fragmentation mimicking sleep apnea does not alter cardiac function in either control or heart failure mice. , 2019, , .		0
88	Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells. , 2019, , .		0
89	Telematic Multi-physician Decision-making for Improving CPAP Prescription in Sleep Apnoea. Archivos De Bronconeumologia, 2019, 55, 604-606.	0.4	2
90	Challenges in obstructive sleep apnoea. Lancet Respiratory Medicine,the, 2018, 6, 170-172.	5.2	45

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91	Bioengineered Lungs: A Challenge and An Opportunity. Archivos De Bronconeumologia, 2018, 54, 31-38.	0.4	3
92	Bioengineered Lungs: A Challenge and An Opportunity. Archivos De Bronconeumologia, 2018, 54, 31-38.	0.4	13
93	Head-to-head comparison of two engineered cardiac grafts for myocardial repair: From scaffold characterization to pre-clinical testing. Scientific Reports, 2018, 8, 6708.	1.6	45
94	Sleep Apnea Morbidity. Chest, 2018, 154, 754-759.	0.4	61
95	Telemonitoring in Chronic Obstructive Pulmonary Disease (CHROMED). A Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 620-628.	2.5	112
96	Biomarkers of carcinogenesis and tumour growth in patients with cutaneous melanoma and obstructive sleep apnoea. European Respiratory Journal, 2018, 51, 1701885.	3.1	27
97	Is Telemedicine a Key Tool for Improving Continuous Positive Airway Pressure Adherence in Patients with Sleep Apnea?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 12-14.	2.5	19
98	Passive Stiffness of Left Ventricular Myocardial Tissue Is Reduced by Ovariectomy in a Post-menopause Mouse Model. Frontiers in Physiology, 2018, 9, 1545.	1.3	8
99	Gas Partial Pressure in Cultured Cells: Patho-Physiological Importance and Methodological Approaches. Frontiers in Physiology, 2018, 9, 1803.	1.3	34
100	Intermittent Hypoxia Severity in Animal Models of Sleep Apnea. Frontiers in Physiology, 2018, 9, 1556.	1.3	47
101	Equine lung decellularization: a potential approach for in vitro modeling the role of the extracellular matrix in asthma. Journal of Tissue Engineering, 2018, 9, 204173141881016.	2.3	10
102	Intermittent Hypoxia Mimicking Sleep Apnea Increases Passive Stiffness of Myocardial Extracellular Matrix. A Multiscale Study. Frontiers in Physiology, 2018, 9, 1143.	1.3	32
103	Sleep-Disordered Breathing Is Independently Associated With Increased Aggressiveness of Cutaneous Melanoma. Chest, 2018, 154, 1348-1358.	0.4	58
104	Challenges and perspectives in obstructive sleep apnoea. European Respiratory Journal, 2018, 52, 1702616.	3.1	166
105	Acetylsalicylic Acid Prevents Intermittent Hypoxia-Induced Vascular Remodeling in a Murine Model of Sleep Apnea. Frontiers in Physiology, 2018, 9, 600.	1.3	10
106	Basic and translational research in the European Respiratory Journal. European Respiratory Journal, 2018, 51, 1800377.	3.1	4
107	Alzheimerâ€™s Disease Mutant Mice Exhibit Reduced Brain Tissue Stiffness Compared to Wild-type Mice in both Normoxia and following Intermittent Hypoxia Mimicking Sleep Apnea. Frontiers in Neurology, 2018, 9, 1.	1.1	250
108	Intermittent Hypoxia Is Associated With High Hypoxia Inducible Factor-1Î± but Not High Vascular Endothelial Growth Factor Cell Expression in Tumors of Cutaneous Melanoma Patients. Frontiers in Neurology, 2018, 9, 272.	1.1	16

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109	Aging Reduces Intermittent Hypoxiaâ€“induced Lung Carcinoma Growth in a Mouse Model of Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1234-1236.	2.5	21
110	Mimicking a flow-limited human upper airway using a collapsible tube: relationships between flow patterns and pressures in a respiratory model. Journal of Applied Physiology, 2018, 125, 605-614.	1.2	6
111	A Portable Continuous Positive Airway Pressure Device That Can Perform Optimally under Strenuous Conditions. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 956-958.	2.5	0
112	Late Breaking Abstract - Differential effect of intermittent hypoxia and sleep fragmentation in the progression of Alzheimer Disease in a mouse model of obstructive sleep apnea. , 2018, , .		1
113	Mechanical Preconditioning of Lung Mesenchymal Stem Cells Improves Ventilation Induced Lung Injury in Rats. , 2018, , .		1
114	Acetylsalicylic Acid Prevents Intermittent Hypoxia-Induced Vascular Remodeling in a Murine Model of Sleep Apnea. , 2018, , .		0
115	Telemedicine(TM)-based strategy for management of obstructive sleep apnea (OSA): Virtual sleep unit. , 2018, , .		0
116	Iron Oxide and Titanium Dioxide Nanoparticles Reduce Alveolar Epithelial Cell Stiffening and Contraction Forces. , 2018, , .		0
117	Equine decellularized lung: a potencial approche for regenerative medicine. , 2018, , .		0
118	A New mHealth application to support treatment of sleep apnoea patients. Journal of Telemedicine and Telecare, 2017, 23, 14-18.	1.4	43
119	Obstructive sleep apnea and Fuhrman grade in patients with clear cell renal cell carcinoma treated surgically. World Journal of Urology, 2017, 35, 51-56.	1.2	13
120	Chronic intermittent hypoxia mimicking sleep apnoea increases spontaneous tumorigenesis in mice. European Respiratory Journal, 2017, 49, 1602111.	3.1	28
121	Ageing and chronic intermittent hypoxia mimicking sleep apnea do not modify local brain tissue stiffness in healthy mice. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 71, 106-113.	1.5	13
122	Role of Cyclooxygenase-2 on Intermittent Hypoxia-Induced Lung Tumor Malignancy in a Mouse Model of Sleep Apnea. Scientific Reports, 2017, 7, 44693.	1.6	38
123	Hypoxia-induced PD-L1/PD-1 crosstalk impairs T-cell function in sleep apnoea. European Respiratory Journal, 2017, 50, 1700833.	3.1	89
124	A prospective multicenter cohort study of cutaneous melanoma: clinical staging and potential associations with HIF-1Î± and VEGF expressions. Melanoma Research, 2017, 27, 558-564.	0.6	23
125	Temporal trajectories of novel object recognition performance in mice exposed to intermittent hypoxia. European Respiratory Journal, 2017, 50, 1701456.	3.1	19
126	Frequency and magnitude of intermittent hypoxia modulate endothelial wound healing in a cell culture model of sleep apnea. Journal of Applied Physiology, 2017, 123, 1047-1054.	1.2	22

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127	Altered CD8+ T-Cell Lymphocyte Function and TC1 Cell Stemness Contribute to Enhanced Malignant Tumor Properties in Murine Models of Sleep Apnea. Sleep, 2017, 40, .	0.6	33
128	Probing Micromechanical Properties of the Extracellular Matrix of Soft Tissues by Atomic Force Microscopy. Journal of Cellular Physiology, 2017, 232, 19-26.	2.0	91
129	Exosomes and Metabolic Function in Mice Exposed to Alternating Dark-Light Cycles Mimicking Night Shift Work Schedules. Frontiers in Physiology, 2017, 8, 882.	1.3	46
130	Intermittent hypoxia increases kidney tumor vascularization in a murine model of sleep apnea. PLoS ONE, 2017, 12, e0179444.	1.1	30
131	Effects of two different decellularization routes on the mechanical properties of decellularized lungs. PLoS ONE, 2017, 12, e0178696.	1.1	15
132	An Official American Thoracic Society Workshop Report: Noninvasive Identification of Inspiratory Flow Limitation in Sleep Studies. Annals of the American Thoracic Society, 2017, 14, 1076-1085.	1.5	20
133	Novel Approach to Simulate Sleep Apnea Patients for Evaluating Positive Pressure Therapy Devices. PLoS ONE, 2016, 11, e0151530.	1.1	8
134	A Novel Chip for Cyclic Stretch and Intermittent Hypoxia Cell Exposures Mimicking Obstructive Sleep Apnea. Frontiers in Physiology, 2016, 7, 319.	1.3	42
135	Lung bioengineering: physical stimuli and stem/progenitor cell biology interplay towards biofabricating a functional organ. Respiratory Research, 2016, 17, 161.	1.4	19
136	Forced oscillation: A poorly exploited tool for simply assessing respiratory function in children. Respirology, 2016, 21, 982-983.	1.3	2
137	Impact of different hypopnea definitions on obstructive sleep apnea severity and cardiovascular mortality risk in women and elderly individuals. Sleep Medicine, 2016, 27-28, 54-58.	0.8	28
138	MP71-16 INTERMITENT HYPOXIA INCREASES TUMOR ANGIOGENESIS IN A MOUSE MODEL OF KIDNEY CANCER. Journal of Urology, 2016, 195, .	0.2	0
139	Technology for noninvasive mechanical ventilation: looking into the black box. ERJ Open Research, 2016, 2, 00004-2016.	1.1	13
140	Tumor Cell Malignant Properties Are Enhanced by Circulating Exosomes in SleepÂApnea. Chest, 2016, 150, 1030-1041.	0.4	49
141	Chronic Sleep Disruption Alters Gut Microbiota, Induces Systemic and Adipose Tissue Inflammation and Insulin Resistance in Mice. Scientific Reports, 2016, 6, 35405.	1.6	316
142	Normoxic Recovery Mimicking Treatment of Sleep Apnea Does Not Reverse Intermittent Hypoxia-Induced Bacterial Dysbiosis and Low-Grade Endotoxemia in Mice. Sleep, 2016, 39, 1891-1897.	0.6	70
143	Obstructive sleep apnea and cancer: Epidemiologic links and theoretical biological constructs. Sleep Medicine Reviews, 2016, 27, 43-55.	3.8	91
144	Intermittent Hypoxia-Induced Cardiovascular Remodeling Is Reversed by Normoxia in a Mouse Model of Sleep Apnea. Chest, 2016, 149, 1400-1408.	0.4	63

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145	Behavior of vascular resistance undergoing various pressure insufflation and perfusion on decellularized lungs. Journal of Biomechanics, 2016, 49, 1230-1232.	0.9	11
146	Early Impairment of Lung Mechanics in a Murine Model of Marfan Syndrome. PLoS ONE, 2016, 11, e0152124.	1.1	21
147	Circulating exosomes potentiate tumor malignant properties in a mouse model of chronic sleep fragmentation. Oncotarget, 2016, 7, 54676-54690.	0.8	57
148	Putative Links Between Sleep Apnea and Cancer. Chest, 2015, 148, 1140-1147.	0.4	64
149	Negative Expiratory Pressure Technique: An Awake Test to Measure Upper Airway Collapsibility in Adolescents. Sleep, 2015, 38, 1783-1791.	0.6	9
150	Comparative assessment of several automatic CPAP devices' responses: a bench test study. ERJ Open Research, 2015, 1, 00031-2015.	1.1	17
151	A Step Forward for Better Interpreting the Apnea-Hypopnea Index. Sleep, 2015, 38, 1839-1840.	0.6	5
152	Pressure- and flow-controlled media perfusion differently modify vascular mechanics in lung decellularization. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 69-79.	1.5	28
153	A Bayesian cost-effectiveness analysis of a telemedicine-based strategy for the management of sleep apnoea: a multicentre randomised controlled trial. Thorax, 2015, 70, 1054-1061.	2.7	103
154	Effect of CPAP on Cognition, Brain Function, and Structure Among Elderly Patients With OSA. Chest, 2015, 148, 1214-1223.	0.4	107
155	Increased upper airway collapsibility in a mouse model of Marfan syndrome. Respiratory Physiology and Neurobiology, 2015, 207, 58-60.	0.7	7
156	Intermittent hypoxia alters gut microbiota diversity in a mouse model of sleep apnoea. European Respiratory Journal, 2015, 45, 1055-1065.	3.1	199
157	RelaciÃ³n entre apnea del sueÃ±o y cÃ¡ncer. Archivos De Bronconeumologia, 2015, 51, 456-461.	0.4	14
158	Adipose tissue macrophage polarization by intermittent hypoxia in a mouse model of OSA: Effect of tumor microenvironment. Cancer Letters, 2015, 361, 233-239.	3.2	57
159	Development of a Bronchial Wall Model: Triple Culture on a Decellularized Porcine Trachea. Tissue Engineering - Part C: Methods, 2015, 21, 909-921.	1.1	14
160	Relationship Between Sleep Apnea and Cancer. Archivos De Bronconeumologia, 2015, 51, 456-461.	0.4	15
161	Parabiotic model for differentiating local and systemic effects of continuous and intermittent hypoxia. Journal of Applied Physiology, 2015, 118, 42-47.	1.2	5
162	In vitro comparative study of two decellularization protocols in search of an optimal myocardial scaffold for recellularization. American Journal of Translational Research (discontinued), 2015, 7, 558-73.	0.0	37

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163	Intermittent Hypoxia-induced Changes in Tumor-associated Macrophages and Tumor Malignancy in a Mouse Model of Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 593-601.	2.5	162
164	Oxygen diffusion and consumption in extracellular matrix gels: Implications for designing threeâ€dimensional cultures. Journal of Biomedical Materials Research - Part A, 2014, 102, 2776-2784.	2.1	63
165	Low oxygen tension enhances the generation of lung progenitor cells from mouse embryonic and induced pluripotent stem cells. Physiological Reports, 2014, 2, e12075.	0.7	25
166	Association between sleep disordered breathing and aggressiveness markers of malignant cutaneous melanoma. European Respiratory Journal, 2014, 43, 1661-1668.	3.1	89
167	Association of Sleep Apnea and Cancer: From Animal Studies to Human Epidemiologic Data. , 2014, , 121-136.		1
168	Male Fertility Is Reduced by Chronic Intermittent Hypoxia Mimicking Sleep Apnea in Mice. Sleep, 2014, 37, 1757-1765.	0.6	61
169	Mechanical properties of mouse lungs along organ decellularization by sodium dodecyl sulfate. Respiratory Physiology and Neurobiology, 2014, 200, 1-5.	0.7	34
170	Effect of ovariectomy on inflammation induced by intermittent hypoxia in a mouse model of sleep apnea. Respiratory Physiology and Neurobiology, 2014, 202, 71-74.	0.7	20
171	Effects of the Decellularization Method on the Local Stiffness of Acellular Lungs. Tissue Engineering - Part C: Methods, 2014, 20, 412-422.	1.1	51
172	Mechanical properties of acellular mouse lungs after sterilization by gamma irradiation. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 40, 168-177.	1.5	31
173	Atrial fibrosis in a chronic murine model of obstructive sleep apnea: mechanisms and prevention by mesenchymal stem cells. Respiratory Research, 2014, 15, 54.	1.4	44
174	Heterogeneous micromechanical properties of the extracellular matrix in healthy and infarcted hearts. Acta Biomaterialia, 2014, 10, 3235-3242.	4.1	51
175	Obstructive sleep apnea is associated with cancer mortality in younger patients. Sleep Medicine, 2014, 15, 742-748.	0.8	121
176	Inhomogeneity of local stiffness in the extracellular matrix scaffold of fibrotic mouse lungs. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 186-195.	1.5	50
177	Effects of freezing/thawing on the mechanical properties of decellularized lungs. Journal of Biomedical Materials Research - Part A, 2014, 102, 413-419.	2.1	85
178	Management of Sleep Apnea without High Pretest Probability or with Comorbidities by Three Nights of Portable Sleep Monitoring. Sleep, 2014, 37, 1363-1373.	0.6	56
179	Brain Tissue Hypoxia and Oxidative Stress Induced by Obstructive Apneas is Different in Young and Aged Rats. Sleep, 2014, 37, 1249-1256.	0.6	29
180	Forced Oscillation Technique. , 2014, , 137-148.		1

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181	Telemedicine-Based Approach for Obstructive Sleep Apnea Management: Building Evidence. Interactive Journal of Medical Research, 2014, 3, e6.	0.6	41
182	Use of FOT for Optimising Mechanical Ventilation. , 2014, , 381-395.		0
183	Association between Obstructive Sleep Apnea and Cancer Incidence in a Large Multicenter Spanish Cohort. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 99-105.	2.5	334
184	Chronic intermittent hypoxia preserves bone density in a mouse model of sleep apnea. Respiratory Physiology and Neurobiology, 2013, 189, 646-648.	0.7	16
185	The effects of intermittent hypoxia on redox status, NF-Î²B activation, and plasma lipid levels are dependent on the lowest oxygen saturation. Free Radical Biology and Medicine, 2013, 65, 1143-1154.	1.3	39
186	Local micromechanical properties of decellularized lung scaffolds measured with atomic force microscopy. Acta Biomaterialia, 2013, 9, 6852-6859.	4.1	77
187	Intermittent hypoxia increases melanoma metastasis to the lung in a mouse model of sleep apnea. Respiratory Physiology and Neurobiology, 2013, 186, 303-307.	0.7	143
188	The Injury Theory, Endothelial Progenitors, and Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 5-7.	2.5	9
189	Antioxidant effect of human adult adipose-derived stromal stem cells in alveolar epithelial cells undergoing stretch. Respiratory Physiology and Neurobiology, 2013, 188, 1-8.	0.7	14
190	Reply: Obstructive Sleep Apnea and Cancer: Is It Time to Study Organ-Specific Cancers?. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 399-400.	2.5	0
191	Reply: Sleep-disordered Breathing, Hypoxemia, and Cancer Mortality. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 331-332.	2.5	1
192	Putting noninvasive lung mechanics into context. European Respiratory Journal, 2013, 42, 1435-1437.	3.1	6
193	Is There an Optimal Nasal Pressure for Treating Obstructive Sleep Apneaâ€"And If So, What Is It?. Sleep, 2013, 36, 463-4.	0.6	2
194	An In Vitro Study to Assess Determinant Features Associated With Fluid Sealing in the Design of Endotracheal Tube Cuffs and Exerted Tracheal Pressures*. Critical Care Medicine, 2013, 41, 518-526.	0.4	51
195	Barrier-Protective Effects of Activated Protein C in Human Alveolar Epithelial Cells. PLoS ONE, 2013, 8, e56965.	1.1	22
196	Cost-Effectiveness of a New Internet-Based Monitoring Tool for Neonatal Post-Discharge Home Care. Journal of Medical Internet Research, 2013, 15, e38.	2.1	16
197	Intermittent hypoxia enhances cancer progression in a mouse model of sleep apnoea. European Respiratory Journal, 2012, 39, 215-217.	3.1	190
198	Evaluation of upper airway patency during Cheyneâ€"Stokes breathing in heart failure patients. European Respiratory Journal, 2012, 40, 1523-1530.	3.1	19

#	Article	IF	Citations
199	Pre-treatment with mesenchymal stem cells reduces ventilator-induced lung injury. European Respiratory Journal, 2012, 40, 939-948.	3.1	45
200	Actual performance of mechanical ventilators in ICU: a multicentric quality control study. Medical Devices: Evidence and Research, 2012, 5, 111.	0.4	12
201	Automatic CPAP Performance in Patients with Sleep Apnea Plus COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 382-389.	0.7	7
202	Potential Role of Adult Stem Cells in Obstructive Sleep Apnea. Frontiers in Neurology, 2012, 3, 112.	1.1	18
203	Sleep apnoea and cancer: current insights and future perspectives. European Respiratory Journal, 2012, 40, 1315-1317.	3.1	25
204	Sleep-disordered Breathing and Cancer Mortality. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 190-194.	2.5	392
205	Rapid detection of sepsis in rats through volatile organic compounds in breath. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 881-882, 76-82.	1.2	36
206	Obesity and intermittent hypoxia increase tumor growth in a mouse model of sleep apnea. Sleep Medicine, 2012, 13, 1254-1260.	0.8	117
207	Integrin-Specific Mechanoresponses to Compression and Extension Probed by Cylindrical Flat-Ended AFM Tips in Lung Cells. PLoS ONE, 2012, 7, e32261.	1.1	31
208	A bioreactor for subjecting cultured cells to fast-rate intermittent hypoxia. Respiratory Physiology and Neurobiology, 2012, 182, 47-52.	0.7	16
209	Oscillation Mechanics of the Respiratory System. , 2011, 1, 1233-1272.		157
210	Telemetric CPAP titration at home in patients with sleep apneaâ€“hypopnea syndrome. Sleep Medicine, 2011, 12, 153-157.	0.8	32
211	Early and mid-term effects of obstructive apneas in myocardial injury and inflammation. Sleep Medicine, 2011, 12, 1037-1040.	0.8	24
212	Short And Long-Term Effects Of Obstructive Apneas In Myocardial Injury And Inflammation. , 2011, , .		0
213	Tissue Oxygenation in Brain, Muscle, and Fat in a Rat Model of Sleep Apnea: Differential Effect of Obstructive Apneas and Intermittent Hypoxia. Sleep, 2011, 34, 1127-1133.	0.6	93
214	Anti-Inflammatory Role Of Peroxisome Proliferator-Activated Receptor-Gamma (PPARGamma) Agonist On Human Microvascular Endothelial Cells Treated With An Inflammatory Factor. , 2011, , .		0
215	Non-invasive system for applying airway obstructions to model obstructive sleep apnea in mice. Respiratory Physiology and Neurobiology, 2011, 175, 164-168.	0.7	16
216	Alternating ventilation in a rat model of increased abdominal pressure. Respiratory Physiology and Neurobiology, 2011, 175, 310-315.	0.7	1

#	Article	IF	Citations
217	Potential Role of Bone Marrow Mesenchymal Stem Cells in Obstructive Sleep Apnea. International Journal of Stem Cells, 2011, 4, 43-49.	0.8	5
218	CHRONIOUS: A Telemonitoring Platform For The Management Of COPD Patients At Home. , 2010, , .		0
219	Mesenchymal stem cells reduce inflammation in a rat model of obstructive sleep apnea. Respiratory Physiology and Neurobiology, 2010, 172, 210-212.	0.7	21
220	Changes in oxygen partial pressure of brain tissue in an animal model of obstructive apnea. Respiratory Research, 2010, 11, 3.	1.4	33
221	Obstructive apneas induce early activation of mesenchymal stem cells and enhancement of endothelial wound healing. Respiratory Research, 2010, 11, 91.	1.4	22
222	Quality Control Of The Actual Breathing Pattern Delivered By Mechanical Ventilators In Intensive Care Units (ICU). , 2010, , .		0
223	Effects Of Prolonged Periods Of Flow Limitation In A Rat Model Of Obstructive Apneas. , 2010, , .		0
224	Dynamic Changes In Oxygen Partial Pressure In Brain, Skeletal Muscle And Visceral Fat Tissues During Recurrent Obstructive Apneas. , 2010, , .		0
225	Sleep Breathing Flow Characteristics as a Sign for the Detection of Wakefulness in Patients with Sleep Apnea. Respiration, 2010, 80, 495-499.	1.2	7
226	An improved telemedicine system for remote titration and optimization of Home Mechanical Ventilation. , 2010, , .		2
227	Effects of heated humidification on nasal inflammation in a CPAP rat model. Sleep Medicine, 2010, 11, 413-416.	0.8	9
228	Electroencephalographic slowing heralds mild cognitive impairment in idiopathic REM sleep behavior disorder. Sleep Medicine, 2010, 11, 534-539.	0.8	97
229	Obstructive Apneas Induce Early Release of Mesenchymal Stem Cells into Circulating Blood. Sleep, 2009, , .	0.6	16
230	Respiratory impedance during weaning from mechanical ventilation in a mixed population of critically ill patients. British Journal of Anaesthesia, 2009, 103, 828-832.	1.5	11
231	Quality control: a necessary, but sometimes overlooked, tool for improving respiratory medicine. European Respiratory Journal, 2009, 33, 722-723.	3.1	7
232	Stiffening and Contraction Induced by Dexamethasone in Alveolar Epithelial Cells. Experimental Mechanics, 2009, 49, 47-55.	1.1	10
233	Biological consequences of oxygen desaturation and respiratory effort in an acute animal model of obstructive sleep apnea (OSA). Sleep Medicine, 2009, 10, 892-897.	0.8	39
234	A Novel Simple Internet-Based System for Real Time Monitoring and Optimizing Home Mechanical Ventilation. , 2009, , .		14

#	Article	IF	Citations
235	Obstructive apneas induce early release of mesenchymal stem cells into circulating blood. Sleep, 2009, 32, 117-9.	0.6	32
236	Assessment of upper airway mechanics during sleep. Respiratory Physiology and Neurobiology, 2008, 163, 74-81.	0.7	18
237	Micropatterning of Single Endothelial Cell Shape Reveals a Tight Coupling between Nuclear Volume in G1 and Proliferation. Biophysical Journal, 2008, 94, 4984-4995.	0.2	168
238	Mapping Cell-Matrix Stresses during Stretch Reveals Inelastic Reorganization of the Cytoskeleton. Biophysical Journal, 2008, 95, 464-471.	0.2	70
239	One-lung overventilation does not induce inflammation in the normally ventilated contralateral lung. Respiratory Physiology and Neurobiology, 2008, 162, 100-102.	0.7	9
240	Upper airway collapse and reopening induce inflammation in a sleep apnoea model. European Respiratory Journal, 2008, 32, 399-404.	3.1	50
241	Positive Pressure Therapy: A Perspective on Evidence-based Outcomes and Methods of Application. Proceedings of the American Thoracic Society, 2008, 5, 161-172.	3.5	56
242	Morbidity due to obstructive sleep apnea: insights from animal models. Current Opinion in Pulmonary Medicine, 2008, 14, 530-536.	1.2	33
243	Continuous Positive Airway Pressure (CPAP) Induces Early Nasal Inflammation. Sleep, 2008, 31, 127-131.	0.6	28
244	Noninvasive Ventilation Treatment of Sleep-Related Breathing Disorders. , 2008, , 399-408.		1
245	Rat Model of Chronic Recurrent Airway Obstructions to Study the Sleep Apnea Syndrome. Sleep, 2007, 30, 930-933.	0.6	74
246	Automatic control of tracheal tube cuff pressure in ventilated patients in semirecumbent position: A randomized trial*. Critical Care Medicine, 2007, 35, 1543-1549.	0.4	201
247	Recurrent obstructive apneas trigger early systemic inflammation in a rat model of sleep apnea. Respiratory Physiology and Neurobiology, 2007, 155, 93-96.	0.7	85
248	Upper-Airway Inflammation Triggered by Vibration in a Rat Model of Snoring. Sleep, 2007, 30, 225-227.	0.6	67
249	Cell dynamic adhesion and elastic properties probed with cylindrical atomic force microscopy cantilever tips. Journal of Molecular Recognition, 2007, 20, 459-466.	1.1	40
250	Rheology of Passive and Adhesion-Activated Neutrophils Probed by Atomic Force Microscopy. Biophysical Journal, 2006, 91, 3508-3518.	0.2	85
251	Physiological consequences of prolonged periods of flow limitation in patients with sleep apnea hypopnea syndrome. Respiratory Medicine, 2006, 100, 813-817.	1.3	42
252	Thrombin-induced contraction in alveolar epithelial cells probed by traction microscopy. Journal of Applied Physiology, 2006, 101, 512-520.	1.2	41

#	Article	IF	Citations
253	Bench Model To Simulate Upper Airway Obstruction for Analyzing Automatic Continuous Positive Airway Pressure Devices. Chest, 2006, 130, 350-361.	0.4	60
254	Effect of stretch on structural integrity and micromechanics of human alveolar epithelial cell monolayers exposed to thrombin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L1104-L1110.	1.3	27
255	Noninvasive detection of expiratory flow limitation in COPD patients during nasal CPAP. European Respiratory Journal, 2006, 27, 983-991.	3.1	75
256	Performance of mechanical ventilators at the patient's home: a multicentre quality control study. Thorax, 2006, 61, 400-404.	2.7	46
257	Thrombin and histamine induce stiffening of alveolar epithelial cells. Journal of Applied Physiology, 2005, 98, 1567-1574.	1.2	59
258	Animal model of unilateral ventilator-induced lung injury. Intensive Care Medicine, 2005, 31, 487-490.	3.9	21
259	Vibration Enhances Interleukin-8 Release in a Cell Model of Snoring-Induced Airway Inflammation. Sleep, 2005, 28, 1312-1316.	0.6	79
260	Effect of Using the Flow or the Volume Signals on the Measurement of Nonapneic Respiratory Events. Sleep, 2005, 28, 990-992.	0.6	3
261	Probing mechanical properties of living cells by atomic force microscopy with blunted pyramidal cantilever tips. Physical Review E, 2005, 72, 021914.	0.8	316
262	Stability of Microfabricated High Aspect Ratio Structures in Poly(dimethylsiloxane). Langmuir, 2005, 21, 5542-5548.	1.6	132
263	Assessment of expiratory flow limitation in chronic obstructive pulmonary disease: a new approach. European Respiratory Journal, 2004, 23, 187-188.	3.1	6
264	Viscoelasticity of human alveolar epithelial cells subjected to stretch. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1025-L1034.	1.3	132
265	Noninvasive monitoring of respiratory mechanics during sleep. European Respiratory Journal, 2004, 24, 1052-1060.	3.1	88
266	Oxygen in the alveolar air space mediates lung inflammation in acute pancreatitis. Free Radical Biology and Medicine, 2004, 37, 1640-1647.	1.3	9
267	Oscillometric assessment of airway obstruction in a mechanical model of vocal cord dysfunction. Journal of Biomechanics, 2004, 37, 37-43.	0.9	21
268	Inspiratory flow limitation in obstructive sleep apnoea patients. Clinical Science, 2004, 106, 563-565.	1.8	3
269	Quality control of mechanical ventilation at the patient's home. Intensive Care Medicine, 2003, 29, 484-486.	3.9	23
270	Microrheology of Human Lung Epithelial Cells Measured by Atomic Force Microscopy. Biophysical Journal, 2003, 84, 2071-2079.	0.2	630

#	Article	IF	Citations
271	How to use the nasal pressure in clinical practice. Sleep Medicine, 2003, 4, 381-383.	0.8	4
272	Collapsible upper airway segment to study the obstructive sleep apnea/hypopnea syndrome in rats. Respiratory Physiology and Neurobiology, 2003, 136, 199-209.	0.7	49
273	Unsupervised self-testing of airway obstruction by forced oscillation at the patient's home. European Respiratory Journal, 2003, 22, 668-671.	3.1	19
274	Oscillatory magnetic tweezers based on ferromagnetic beads and simple coaxial coils. Review of Scientific Instruments, 2003, 74, 4012-4020.	0.6	28
275	Static and Dynamic Upper Airway Obstruction in Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 659-663.	2.5	25
276	Protocolo para evaluar una CPAP automÃ¡tica. ValoraciÃ³n de la utilidad del Autoset-T para determinar la presiÃ³n de CPAP Ã³ptima en el sÃndrome de apnea-hipopnea del sueÃ±o. Archivos De Bronconeumologia, 2003, 39, 118-125.	0.4	8
277	Automatic regulation of the cuff pressure in endotracheally-intubated patients. European Respiratory Journal, 2002, 20, 1010-1013.	3.1	62
278	A portable forced oscillation device for respiratory home monitoring. European Respiratory Journal, 2002, 19, 146-150.	3.1	24
279	Breathing Flow Disturbances during Sleep. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 259-260.	2.5	9
280	Response of Automatic Continuous Positive Airway Pressure Devices to Different Sleep Breathing Patterns. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 469-473.	2.5	106
281	Potential Rebreathing After Continuous Positive Airway Pressure Failure During Sleep. Chest, 2002, 121, 196-200.	0.4	13
282	Automatic continuous positive airway pressure devices for the treatment of sleep apnea hypopnea syndrome. Sleep Medicine, 2001, 2, 95-98.	0.8	10
283	Forced oscillation assessment of respiratory mechanics in ventilated patients. Critical Care, 2001, 5, 3.	2.5	29
284	Forced oscillation measurements do not affect upper airway muscle tone or sleep in clinical studies. European Respiratory Journal, 2001, 18, 335-339.	3.1	19
285	Evaluation of a simplified oscillation technique for assessing airway obstruction in sleep apnoea. European Respiratory Journal, 2001, 17, 456-461.	3.1	27
286	Performance of Nasal Prongs in Sleep Studies. Chest, 2001, 119, 442-450.	0.4	77
287	Relevance of Linearizing Nasal Prongs for Assessing Hypopneas and Flow Limitation During Sleep. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 494-497.	2.5	64
288	Effectiveness of CPAP Treatment in Daytime Function in Sleep Apnea Syndrome. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 608-613.	2.5	320

#	Article	IF	Citations
289	Oscillatory Resistance Measured during Noninvasive Proportional Assist Ventilation. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 790-794.	2.5	31
290	New Technologies to Detect Static and Dynamic Upper Airway Obstruction During Sleep. Sleep and Breathing, 2001, 05, 193-206.	0.9	11
291	New Technologies to Detect Static and Dynamic Upper Airway Obstruction During Sleep. Sleep and Breathing, 2001, 5, 193-206.	0.9	6
292	Noninvasive assessment of respiratory resistance in severe chronic respiratory patients with nasal CPAP. European Respiratory Journal, 2000, 15, 314.	3.1	32
293	A simplified method for monitoring respiratory impedance during continuous positive airway pressure. European Respiratory Journal, 2000, 15, 185-191.	3.1	14
294	Evaluation of a method for assessing respiratory mechanics during noninvasive ventilation. European Respiratory Journal, 2000, 16, 704.	3.1	18
295	Clinical Application of the Forced Oscillation Technique for CPAP Titration in the Sleep Apnea/Hypopnea Syndrome. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1550-1554.	2.5	51
296	Sham continuous positive airway pressure for placebo-controlled studies in sleep apnoea. Lancet, The, 1999, 353, 1154.	6.3	77
297	Assessment of bronchial reactivity by forced oscillation admittance avoids the upper airway artefact. European Respiratory Journal, 1999, 13, 761.	3.1	27
298	Forced oscillation total respiratory resistance and spontaneous breathing lung resistance in COPD patients. European Respiratory Journal, 1999, 14, 172.	3.1	28
299	Flow-dependent Positive Airway Pressure to Maintain Airway Patency in Sleep Apneaâ€“Hypopnea Syndrome. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1855-1863.	2.5	23
300	Assessment of Airflow Obstruction during CPAP by Means of Forced Oscillation in Patients with Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1526-1530.	2.5	85
301	Importance of the Pulse Oximeter Averaging Time When Measuring Oxygen Desaturation in Sleep Apnea. Sleep, 1998, 21, 386-390.	0.6	60
302	Accuracy of thermistors and thermocouples as flow-measuring devices for detecting hypopnoeas. European Respiratory Journal, 1998, 11, 179-182.	3.1	115
303	Nasal prongs in the detection of sleep-related disordered breathing in the sleep apnoea/hypopnoea syndrome. European Respiratory Journal, 1998, 11, 880-883.	3.1	59
304	Forced oscillation technique for the evaluation of severe sleep apnoea/hypopnoea syndrome: a pilot study. European Respiratory Journal, 1998, 11, 1128-1134.	3.1	52
305	Respiratory mechanics in ventilated COPD patients: forced oscillation versus occlusion techniques. European Respiratory Journal, 1998, 12, 170-176.	3.1	36
306	Evaluation of nasal prongs for estimating nasal flow.. American Journal of Respiratory and Critical Care Medicine, 1997, 155, 211-215.	2.5	159

#	Article	IF	Citations
307	Inspiratory dynamic obstruction detected by forced oscillation during CPAP. A model study.. American Journal of Respiratory and Critical Care Medicine, 1997, 155, 952-956.	2.5	60
308	A system to generate simultaneous forced oscillation and continuous positive airway pressure. European Respiratory Journal, 1997, 10, 1349-1353.	3.1	55
309	Analog circuit for real-time computation of respiratory mechanical impedance in sleep studies. IEEE Transactions on Biomedical Engineering, 1997, 44, 1156-1159.	2.5	16
310	Effect of expiratory flow limitation on respiratory mechanical impedance: a model study. Journal of Applied Physiology, 1996, 81, 2399-2406.	1.2	30
311	Assessment of respiratory pressure-volume nonlinearity in rabbits during mechanical ventilation. Journal of Applied Physiology, 1996, 80, 1637-1648.	1.2	14
312	Servocontrolled generator to measure respiratory impedance from 0.25 to 26 Hz in ventilated patients at different PEEP levels. European Respiratory Journal, 1995, 8, 1222-1227.	3.1	39
313	Human lung impedance from spontaneous breathing frequencies to 32 Hz. Journal of Applied Physiology, 1994, 76, 1176-1183.	1.2	17
314	Respiratory input impedance up to 256 Hz in healthy humans breathing foreign gases. Journal of Applied Physiology, 1993, 75, 307-320.	1.2	10
315	Optimized estimation of respiratory impedance by signal averaging in the time domain. Journal of Applied Physiology, 1992, 73, 1181-1189.	1.2	8
316	Optimised algorithm to compute respiratory impedance by pseudorandom forced excitation. Medical and Biological Engineering and Computing, 1991, 29, 615-617.	1.6	2
317	Time-domain digital filter to improve signal-to-noise ratio in respiratory impedance measurements. Medical and Biological Engineering and Computing, 1991, 29, 18-24.	1.6	16
318	Respiratory input impedance in anesthetized paralyzed patients. Journal of Applied Physiology, 1990, 69, 1372-1379.	1.2	78
319	Human respiratory impedance from 8 to 256 Hz corrected for upper airway shunt. Journal of Applied Physiology, 1989, 67, 1973-1981.	1.2	34
320	Analysis of the dynamic characteristics of pressure transducers for studying respiratory mechanics at high frequencies. Medical and Biological Engineering and Computing, 1989, 27, 531-537.	1.6	18
321	A correction procedure for the asymmetry of differential pressure transducers in respiratory impedance measurements. IEEE Transactions on Biomedical Engineering, 1989, 36, 1137-1140.	2.5	35
322	A least squares algorithm to determine the mechanical time constant distribution of the lung during forced expiration. International Journal of Bio-medical Computing, 1989, 24, 29-40.	0.5	3
323	A new estimator to minimize the error due to breathing in the measurement of respiratory impedance. IEEE Transactions on Biomedical Engineering, 1988, 35, 1001-1005.	2.5	24
324	Effect of body posture on respiratory impedance. Journal of Applied Physiology, 1988, 64, 194-199.	1.2	69

#	Article	IF	Citations
325	Optical method for determining the frequency response of pressure-measurement systems in respiratory mechanics. Medical and Biological Engineering and Computing, 1986, 24, 78-82.	1.6	9
326	Implications of Obstructive Sleep Apnea on the Cognitive Evolution of Alzheimer's Disease Patients. SSRN Electronic Journal, 0, , .	0.4	0