

# Josep Roca

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

3,066  
citations

201575

27  
h-index

168321

53  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalised Prehabilitation in High-risk Patients Undergoing Elective Major Abdominal Surgery. <i>Annals of Surgery</i> , 2018, 267, 50-56.	2.1	558
2	Inflammatory Reaction in Pulmonary Muscular Arteries of Patients with Mild Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 1605-1611.	2.5	233
3	Endothelial dysfunction in pulmonary arteries of patients with mild COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 274, L908-L913.	1.3	200
4	Effects of Noninvasive Ventilation on Pulmonary Gas Exchange and Hemodynamics during Acute Hypercapnic Exacerbations of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1840-1845.	2.5	154
5	Increase in Pulmonary Ventilation's Perfusion Inequality with Age in Healthy Individuals. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 648-653.	2.5	137
6	Oxidative stress, redox signaling pathways, and autophagy in cachectic muscles of male patients with advanced COPD and lung cancer. <i>Free Radical Biology and Medicine</i> , 2015, 79, 91-108.	1.3	127
7	Ventilation-Perfusion Mismatch in Patients with Pleural Effusion. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1205-1209.	2.5	109
8	Pulmonary Function Tests and CT Scan in the Management of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 158, 431-436.	2.5	106
9	Nitric Oxide Inhalation During Exercise in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 800-806.	2.5	84
10	Nebulized Glutathione Induces Bronchoconstriction in Patients with Mild Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 425-430.	2.5	72
11	Clinical Decision Support Systems (CDSS) for preventive management of COPD patients. <i>Journal of Translational Medicine</i> , 2014, 12, S9.	1.8	71
12	Normativa SEPAR sobre disfunción muscular de los pacientes con enfermedad pulmonar obstructiva crónica. <i>Archivos De Bronconeumologia</i> , 2015, 51, 384-395.	0.4	71
13	Telemedicine enhances quality of forced spirometry in primary care. <i>European Respiratory Journal</i> , 2012, 39, 1313-1318.	3.1	61
14	Proposals for enhanced health risk assessment and stratification in an integrated care scenario. <i>BMJ Open</i> , 2016, 6, e010301.	0.8	61
15	Pulmonary hemodynamic profile in chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2015, 10, 1313.	0.9	56
16	Mechanisms of Abnormal Gas Exchange in Patients with Pneumonia. <i>Anesthesiology</i> , 1991, 75, 782-789.	1.3	54
17	Effectiveness of community-based integrated care in frail COPD patients: a randomised controlled trial. <i>Npj Primary Care Respiratory Medicine</i> , 2015, 25, 15022.	1.1	53
18	Digital Health Transformation of Integrated Care in Europe: Overarching Analysis of 17 Integrated Care Programs. <i>Journal of Medical Internet Research</i> , 2019, 21, e14956.	2.1	52

#	ARTICLE	IF	CITATIONS
19	Integrated care services: lessons learned from the deployment of the NEXES project. <i>International Journal of Integrated Care</i> , 2015, 15, e006.	0.1	51
20	Circulating Progenitor Cells and Vascular Dysfunction in Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2014, 9, e106163.	1.1	43
21	An adaptive case management system to support integrated care services: Lessons learned from the NEXES project. <i>Journal of Biomedical Informatics</i> , 2015, 55, 11-22.	2.5	43
22	Implementation of Home Hospitalization and Early Discharge as an Integrated Care Service: A Ten Years Pragmatic Assessment. <i>International Journal of Integrated Care</i> , 2018, 18, 12.	0.1	43
23	Non-anaemic iron deficiency impairs response to pulmonary rehabilitation in COPD. <i>Respirology</i> , 2015, 20, 1089-1095.	1.3	40
24	ChainRank, a chain prioritisation method for contextualisation of biological networks. <i>BMC Bioinformatics</i> , 2016, 17, 17.	1.2	38
25	Plasma metabolic profile in COPD patients: effects of exercise and endurance training. <i>Metabolomics</i> , 2012, 8, 508-516.	1.4	37
26	HLA Class II Genes in Soybean Epidemic Asthma Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1394-1398.	2.5	34
27	Pulmonary Gas Exchange and Sputum Cellular Responses to Inhaled Leukotriene D4 in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 202-206.	2.5	32
28	Oscillatory Resistance Measured during Noninvasive Proportional Assist Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 790-794.	2.5	31
29	Evaluation of integrated care services in Catalonia: population-based and service-based real-life deployment protocols. <i>BMC Health Services Research</i> , 2019, 19, 370.	0.9	31
30	Inhibition of PAF-induced Gas Exchange Defects by Beta-adrenergic Agonists in Mild Asthma Is Not Due to Bronchodilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 17-22.	2.5	24
31	Determinants of exercise capacity in obese and non-obese COPD patients. <i>Respiratory Medicine</i> , 2014, 108, 745-751.	1.3	24
32	Network modules uncover mechanisms of skeletal muscle dysfunction in COPD patients. <i>Journal of Translational Medicine</i> , 2018, 16, 34.	1.8	22
33	Population-based analysis of patients with COPD in Catalonia: a cohort study with implications for clinical management. <i>BMJ Open</i> , 2018, 8, e017283.	0.8	22
34	A systems biology approach reveals a link between systemic cytokines and skeletal muscle energy metabolism in a rodent smoking model and human COPD. <i>Genome Medicine</i> , 2014, 6, 59.	3.6	20
35	From comorbidities of chronic obstructive pulmonary disease to identification of shared molecular mechanisms by data integration. <i>BMC Bioinformatics</i> , 2016, 17, 441.	1.2	20
36	Heart Rate Recovery After 6-min Walking Test Predicts Acute Exacerbation in COPD. <i>Lung</i> , 2017, 195, 463-467.	1.4	20

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37	The patient at the centre: evidence from 17 European integrated care programmes for persons with complex needs. BMC Health Services Research, 2020, 20, 1102.	0.9	19
38	Assessment of health status and program performance in patients on long-term oxygen therapy. Respiratory Medicine, 2015, 109, 500-509.	1.3	18
39	Effects of interval and continuous exercise training on autonomic cardiac function in <sc>COPD</sc> patients. Clinical Respiratory Journal, 2016, 10, 83-89.	0.6	17
40	Algorithm for Automatic Forced Spirometry Quality Assessment: Technological Developments. PLoS ONE, 2014, 9, e116238.	1.1	15
41	Clinical Decision Support System to Enhance Quality Control of Spirometry Using Information and Communication Technologies. JMIR Medical Informatics, 2014, 2, e29.	1.3	15
42	Oxygen Pathway Modeling Estimates High Reactive Oxygen Species Production above the Highest Permanent Human Habitation. PLoS ONE, 2014, 9, e111068.	1.1	14
43	Cost-effectiveness of a technology-supported multimodal prehabilitation program in moderate-to-high risk patients undergoing lung cancer resection: randomized controlled trial protocol. BMC Health Services Research, 2020, 20, 207.	0.9	13
44	Health Outcomes from Home Hospitalization: Multisource Predictive Modeling. Journal of Medical Internet Research, 2020, 22, e21367.	2.1	13
45	Protocol for regional implementation of community-based collaborative management of complex chronic patients. Npj Primary Care Respiratory Medicine, 2017, 27, 44.	1.1	10
46	Telehealth for patients with chronic obstructive pulmonary disease (COPD): a systematic review and meta-analysis protocol. BMJ Open, 2018, 8, e021865.	0.8	10
47	Risk and temporal order of disease diagnosis of comorbidities in patients with COPD: a population health perspective. BMJ Open Respiratory Research, 2018, 5, e000302.	1.2	10
48	From Systems Understanding to Personalized Medicine: Lessons and Recommendations Based on a Multidisciplinary and Translational Analysis of COPD. Methods in Molecular Biology, 2016, 1386, 283-303.	0.4	10
49	Optimized pacing mode for hypertrophic cardiomyopathy: Impact of ECG fusion during pacing. Heart Rhythm, 2015, 12, 909-916.	0.3	9
50	Training-induced changes on quadriceps muscle oxygenation measured by near-infrared spectroscopy in healthy subjects and in chronic obstructive pulmonary disease patients. Clinical Physiology and Functional Imaging, 2019, 39, 284-290.	0.5	9
51	Integrated Care Intervention Supported by a Mobile Health Tool for Patients Using Noninvasive Ventilation at Home: Randomized Controlled Trial. JMIR MHealth and UHealth, 2020, 8, e16395.	1.8	9
52	Instrumental drift removal in GC-MS data for breath analysis: the short-term and long-term temporal validation of putative biomarkers for COPD. Journal of Breath Research, 2018, 12, 036007.	1.5	8
53	Effects of Pulmonary Hypertension on Exercise Capacity in Patients With Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2020, 56, 499-505.	0.4	8
54	Guidelines for Developing Successful Short Advanced Courses in Systems Medicine and Systems Biology. Cell Systems, 2017, 5, 168-175.	2.9	7

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55	Paradigm changes for diagnosis: using big data for prediction. Clinical Chemistry and Laboratory Medicine, 2019, 57, 317-327.	1.4	7
56	Protocol for regional implementation of collaborative self-management services to promote physical activity. BMC Health Services Research, 2018, 18, 560.	0.9	5
57	Protocol for regional implementation of collaborative lung function testing. Npj Primary Care Respiratory Medicine, 2016, 26, 16024.	1.1	4
58	Risk Prediction as a Service: a DSS Architecture Promoting Interoperability and Collaboration. , 2019, , .		2