

Nicolas Roche

List of Publications by Citations

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180
papers

9,867
citations

51
h-index

94
g-index

211
ext. papers

11,691
ext. citations

6
avg, IF

6.01
L-index

#	Paper	IF	Citations
180	Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Lung Disease 2017 Report. GOLD Executive Summary. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 557-582	10.2	1682
179	Indacaterol-Glycopyrronium versus Salmeterol-Fluticasone for COPD. <i>New England Journal of Medicine</i> , 2016 , 374, 2222-34	59.2	537
178	From the conventional biological wastewater treatment to hybrid processes, the evaluation of organic micropollutant removal: A review. <i>Water Research</i> , 2017 , 111, 297-317	12.5	405
177	Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Lung Disease 2017 Report: GOLD Executive Summary. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 128-149	0.7	247
176	Cough and sputum production are associated with frequent exacerbations and hospitalizations in COPD subjects. <i>Chest</i> , 2009 , 135, 975-982	5.3	232
175	Global Strategy for the Diagnosis, Management and Prevention of Chronic Obstructive Lung Disease 2017 Report: GOLD Executive Summary. <i>Respirology</i> , 2017 , 22, 575-601	3.6	228
174	State-of-the-art: rheological characterisation of wastewater treatment sludge. <i>Biochemical Engineering Journal</i> , 2003 , 16, 41-56	4.2	178
173	Current concepts in targeting chronic obstructive pulmonary disease pharmacotherapy: making progress towards personalised management. <i>Lancet, The</i> , 2015 , 385, 1789-1798	40	168
172	An Official American Thoracic Society/European Respiratory Society Statement: Research questions in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, e4-e27	10.2	137
171	Biodegradation of high phenol concentration by activated sludge in an immersed membrane bioreactor. <i>Biochemical Engineering Journal</i> , 2006 , 30, 174-183	4.2	135
170	Inhaler technique and asthma: feasibility and acceptability of training by pharmacists. <i>Respiratory Medicine</i> , 2011 , 105, 1815-22	4.6	130
169	Choosing inhaler devices for people with asthma: current knowledge and outstanding research needs. <i>Respiratory Medicine</i> , 2010 , 104, 1237-45	4.6	122
168	Current evidence and future research needs for FeNO measurement in respiratory diseases. <i>Respiratory Medicine</i> , 2014 , 108, 830-41	4.6	119
167	Blood Eosinophils and Response to Maintenance Chronic Obstructive Pulmonary Disease Treatment. Data from the FLAME Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1189-1197	10.2	117
166	A review of national guidelines for management of COPD in Europe. <i>European Respiratory Journal</i> , 2016 , 47, 625-37	13.6	114
165	Observational study to characterise 24-hour COPD symptoms and their relationship with patient-reported outcomes: results from the ASSESS study. <i>Respiratory Research</i> , 2014 , 15, 122	7.3	112
164	Rheological measurements of sewage sludge for various solids concentrations and geometry. <i>Process Biochemistry</i> , 2006 , 41, 1656-1662	4.8	109

163	An official American Thoracic Society/European Respiratory Society statement: research questions in COPD. <i>European Respiratory Journal</i> , 2015 , 45, 879-905	13.6	107
162	Industrial wastewater treatment in a membrane bioreactor: A review. <i>Environmental Progress</i> , 2004 , 23, 59-68		106
161	Systemic inflammation, nutritional status and tumor immune microenvironment determine outcome of resected non-small cell lung cancer. <i>PLoS ONE</i> , 2014 , 9, e106914	3.7	101
160	Mortality prediction in chronic obstructive pulmonary disease comparing the GOLD 2007 and 2011 staging systems: a pooled analysis of individual patient data. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 443-50	35.1	98
159	Epidemiology of spontaneous pneumothorax: gender-related differences. <i>Thorax</i> , 2015 , 70, 653-8	7.3	91
158	Quality standards for real-world research. Focus on observational database studies of comparative effectiveness. <i>Annals of the American Thoracic Society</i> , 2014 , 11 Suppl 2, S99-104	4.7	91
157	Postintensive care unit psychological burden in patients with chronic obstructive pulmonary disease and informal caregivers: A multicenter study. <i>Critical Care Medicine</i> , 2011 , 39, 112-8	1.4	89
156	Optimal design and operation of activated sludge processes: State-of-the-art. <i>Chemical Engineering Journal</i> , 2015 , 281, 900-920	14.7	87
155	Two distinct chronic obstructive pulmonary disease (COPD) phenotypes are associated with high risk of mortality. <i>PLoS ONE</i> , 2012 , 7, e51048	3.7	86
154	Mechanisms, assessment and therapeutic implications of lung hyperinflation in COPD. <i>Respiratory Medicine</i> , 2015 , 109, 785-802	4.6	83
153	Integrating real-life studies in the global therapeutic research framework. <i>Lancet Respiratory Medicine</i> , 2013 , 1, e29-30	35.1	83
152	Effect of rehabilitation and botulinum toxin injection on gait in chronic stroke patients: a randomized controlled study. <i>Journal of Rehabilitation Medicine</i> , 2015 , 47, 31-7	3.4	80
151	Prognosis of patients with acute myeloid leukaemia admitted to intensive care. <i>British Journal of Haematology</i> , 2005 , 129, 350-7	4.5	80
150	Impact of comorbidities on COPD-specific health-related quality of life. <i>Respiratory Medicine</i> , 2013 , 107, 233-41	4.6	79
149	High-risk patients following hospitalisation for an acute exacerbation of COPD. <i>European Respiratory Journal</i> , 2013 , 42, 946-55	13.6	72
148	Characteristics of patients making serious inhaler errors with a dry powder inhaler and association with asthma-related events in a primary care setting. <i>Journal of Asthma</i> , 2016 , 53, 321-9	1.9	70
147	Determinants and impact of suboptimal asthma control in Europe: The INTERNATIONAL CROSS-SECTIONAL AND LONGITUDINAL ASSESSMENT ON ASTHMA CONTROL (LIAISON) study. <i>Respiratory Research</i> , 2016 , 17, 51	7.3	69
146	Prescribing practices and asthma control with hydrofluoroalkane-beclomethasone and fluticasone: a real-world observational study. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 511-8.e1-10	11.5	68

145	Atmospheric pressure influences the risk of pneumothorax: beware of the storm!. <i>Chest</i> , 2007 , 131, 1877-82	5.9	67
144	Degradation of synthetic phenol-containing wastewaters by MBR. <i>Journal of Membrane Science</i> , 2006 , 281, 288-296	9.6	67
143	COPD symptoms in the morning: impact, evaluation and management. <i>Respiratory Research</i> , 2013 , 14, 112	7.3	66
142	Role of biomarkers in the management of antibiotic therapy: an expert panel review: I - currently available biomarkers for clinical use in acute infections. <i>Annals of Intensive Care</i> , 2013 , 3, 22	8.9	65
141	Improving the Management of COPD in Women. <i>Chest</i> , 2017 , 151, 686-696	5.3	60
140	17β-ethinylestradiol: An endocrine disrupter of great concern. Analytical methods and removal processes applied to water purification. A review. <i>Environmental Progress</i> , 2008 , 27, 383-396		60
139	Noninvasive ventilation for acute respiratory failure after lung resection: an observational study. <i>Intensive Care Medicine</i> , 2009 , 35, 663-70	14.5	57
138	Characterisation of activated sludge by automated image analysis. <i>Biochemical Engineering Journal</i> , 2001 , 9, 165-173	4.2	57
137	Device type and real-world effectiveness of asthma combination therapy: an observational study. <i>Respiratory Medicine</i> , 2011 , 105, 1457-66	4.6	56
136	Real-world research and its importance in respiratory medicine. <i>Breathe</i> , 2015 , 11, 26-38	1.8	54
135	Transformation of pristine and citrate-functionalized CeO ₂ nanoparticles in a laboratory-scale activated sludge reactor. <i>Environmental Science & Technology</i> , 2014 , 48, 7289-96	10.3	54
134	Relationship between blood eosinophils, clinical characteristics, and mortality in patients with COPD. <i>International Journal of COPD</i> , 2017 , 12, 1819-1824	3	54
133	Asthma outcomes and costs of therapy with extrafine beclomethasone and fluticasone. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 45-54	11.5	53
132	Development and validation of a cough and sputum assessment questionnaire. <i>Respiratory Medicine</i> , 2008 , 102, 1545-55	4.6	53
131	Pulmonary hypertension and dexfenfluramine. <i>Lancet, The</i> , 1992 , 339, 436-437	4.0	53
130	Modified Medical Research Council scale vs Baseline Dyspnea Index to evaluate dyspnea in chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2015 , 10, 1663-72	3	51
129	Effect of acute and chronic inflammatory stimuli on expression of protease-activated receptors 1 and 2 in alveolar macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2003 , 111, 367-73	11.5	51
128	An official American Thoracic Society/European Respiratory Society statement: research questions in COPD. <i>European Respiratory Review</i> , 2015 , 24, 159-72	9.8	50

127	Preresection serum C-reactive protein measurement and survival among patients with resectable non-small cell lung cancer. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 1161-7	1.5	50
126	In situ triphasic rheological characterisation of activated sludge, in an aerated bioreactor. <i>Chemical Engineering Journal</i> , 2008 , 142, 40-47	14.7	50
125	Early postoperative prophylactic noninvasive ventilation after major lung resection in COPD patients: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2014 , 40, 220-7	14.5	49
124	Role of biomarkers in the management of antibiotic therapy: an expert panel review II: clinical use of biomarkers for initiation or discontinuation of antibiotic therapy. <i>Annals of Intensive Care</i> , 2013 , 3, 21	8.9	49
123	Current Controversies in the Pharmacological Treatment of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 541-9	10.2	47
122	Blood eosinophil count and exacerbation risk in patients with COPD. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	47
121	Real world COPD: association of morning symptoms with clinical and patient reported outcomes. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2013 , 10, 679-86	2	47
120	Clinical pharmacokinetics and pharmacodynamics of desloratadine, fexofenadine and levocetirizine : a comparative review. <i>Clinical Pharmacokinetics</i> , 2008 , 47, 217-30	6.2	47
119	Body Mass Index and Total Psoas Area Affect Outcomes in Patients Undergoing Pneumonectomy for Cancer. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 287-295	2.7	45
118	Identification of clinical phenotypes using cluster analyses in COPD patients with multiple comorbidities. <i>BioMed Research International</i> , 2014 , 2014, 420134	3	45
117	Mineralogy and leachability of gasified sewage sludge solid residues. <i>Journal of Hazardous Materials</i> , 2011 , 191, 219-27	12.8	45
116	Influence of ICU case-volume on the management and hospital outcomes of acute exacerbations of chronic obstructive pulmonary disease*. <i>Critical Care Medicine</i> , 2013 , 41, 1884-92	1.4	44
115	Optimal aeration control of industrial alternating activated sludge plants. <i>Biochemical Engineering Journal</i> , 2005 , 23, 277-289	4.2	44
114	Pneumothorax in women of child-bearing age: an update classification based on clinical and pathologic findings. <i>Chest</i> , 2014 , 145, 354-360	5.3	42
113	Lung Function Abnormalities in Smokers with Ischemic Heart Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 568-76	10.2	41
112	Prognosis of cocaine body-packers. <i>Intensive Care Medicine</i> , 2005 , 31, 955-8	14.5	39
111	Chronic bronchitis in the general population: influence of age, gender and socio-economic conditions. <i>Respiratory Medicine</i> , 2012 , 106, 467-71	4.6	37
110	Inhibition of activated sludge respiration by sodium azide addition: Effect on rheology and oxygen transfer. <i>Chemical Engineering Journal</i> , 2010 , 163, 230-235	14.7	36

109	Dynamic optimisation of small size wastewater treatment plants including nitrification and denitrification processes. <i>Computers and Chemical Engineering</i> , 2001 , 25, 585-593	4	36
108	Should we change antibiotic prophylaxis for lung surgery? Postoperative pneumonia is the critical issue. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 1727-33	2.7	35
107	High quality standards for a large-scale prospective population-based observational cohort: Constances. <i>BMC Public Health</i> , 2016 , 16, 877	4.1	34
106	Small-particle Inhaled Corticosteroid as First-line or Step-up Controller Therapy in Childhood Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2015 , 3, 721-31.e16	5.4	33
105	The Evolution of Pressurized Metered-Dose Inhalers from Early to Modern Devices. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2016 , 29, 311-27	3.8	33
104	Reassessing the evidence hierarchy in asthma: evaluating comparative effectiveness. <i>Current Allergy and Asthma Reports</i> , 2011 , 11, 526-38	5.6	33
103	Survey of Protozoa and Metazoa populations in wastewater treatment plants by image analysis and discriminant analysis. <i>Environmetrics</i> , 2004 , 15, 381-390	1.3	33
102	Prevalence and determinants of chronic obstructive pulmonary disease in HIV infected patients in an African country with low level of tobacco smoking. <i>Respiratory Medicine</i> , 2015 , 109, 247-54	4.6	32
101	Pneumothorax recurrence after surgery in women: clinicopathologic characteristics and management. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 322-6	2.7	32
100	Multi-objective optimal control of small-size wastewater treatment plants. <i>Chemical Engineering Research and Design</i> , 2015 , 102, 345-353	5.5	31
99	Impact of gender on COPD expression in a real-life cohort. <i>Respiratory Research</i> , 2014 , 15, 20	7.3	31
98	Asymptomatic subjects with airway obstruction have significant impairment at exercise. <i>Thorax</i> , 2016 , 71, 804-11	7.3	31
97	Clinical COPD phenotypes identified by cluster analysis: validation with mortality. <i>European Respiratory Journal</i> , 2012 , 40, 495-6	13.6	29
96	Assessing the clinical value of fast onset and sustained duration of action of long-acting bronchodilators for COPD. <i>Pulmonary Pharmacology and Therapeutics</i> , 2015 , 31, 68-78	3.5	28
95	Impact of current cough on health-related quality of life in patients with COPD. <i>International Journal of COPD</i> , 2016 , 11, 2091-2097	3	28
94	Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Lung Disease 2017 Report: GOLD Executive Summary. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 128-149	0.7	27
93	Frequency of comorbidities in chronic obstructive pulmonary disease, and impact on all-cause mortality: A population-based cohort study. <i>Respiratory Medicine</i> , 2016 , 117, 33-9	4.6	27
92	Co-gasification of wastewater sludge and different feedstock: Feasibility study. <i>Biomass and Bioenergy</i> , 2016 , 89, 201-209	5.3	27

91	Thermal Gasification: A Feasible Solution for Sewage Sludge Valorisation?. <i>Chemical Engineering and Technology</i> , 2003 , 26, 941-945	2	26
90	Chronic obstructive pulmonary disease exacerbations in emergency departments: predictors of outcome. <i>Current Opinion in Pulmonary Medicine</i> , 2010 , 16, 112-7	3	25
89	Effect of measuring geometries and of exocellular polymeric substances on the rheological behaviour of sewage sludge. <i>Chemical Engineering Research and Design</i> , 2008 , 86, 554-559	5.5	25
88	Clinical practice guidelines: medical follow-up of patients with asthma--adults and adolescents. <i>Respiratory Medicine</i> , 2005 , 99, 793-815	4.6	25
87	Comparison of serious inhaler technique errors made by device-naïve patients using three different dry powder inhalers: a randomised, crossover, open-label study. <i>BMC Pulmonary Medicine</i> , 2016 , 16, 12	3.5	24
86	Pilot study assessing the impact of intrathecal baclofen administration mode on sleep-related respiratory parameters. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 96-9	2.8	23
85	Monitoring filamentous bulking in activated sludge systems fed by synthetic or municipal wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2003 , 25, 387-93	3.7	23
84	Real-life use of fluticasone propionate/salmeterol in patients with chronic obstructive pulmonary disease: a French observational study. <i>BMC Pulmonary Medicine</i> , 2014 , 14, 56	3.5	22
83	Prospective testing of two models based on clinical and oximetric variables for prediction of obstructive sleep apnea. <i>Chest</i> , 2002 , 121, 747-52	5.3	22
82	Real-life use of inhaled corticosteroids in COPD patients versus the GOLD proposals: a paradigm shift in GOLD 2011?. <i>European Respiratory Journal</i> , 2014 , 43, 1201-3	13.6	21
81	. <i>Irrigation Science</i> , 2014 , 32, 77-85	3.1	21
80	Hospital admissions related to acute exacerbations of chronic obstructive pulmonary disease in France, 1998-2007. <i>Respiratory Medicine</i> , 2011 , 105, 595-601	4.6	21
79	Predictors of an appropriate admission to an ICU after a major pulmonary resection. <i>Respiration</i> , 2006 , 73, 157-65	3.7	21
78	Effect of membrane bioreactor configurations on sludge structure and microbial activity. <i>Bioresource Technology</i> , 2011 , 102, 975-81	11	20
77	Kinetic parameters for 17alpha-ethinylestradiol removal by nitrifying activated sludge developed in a membrane bioreactor. <i>Bioresource Technology</i> , 2010 , 101, 6425-31	11	20
76	The effect of an information leaflet upon knowledge and awareness of COPD in potential sufferers. A randomized controlled study. <i>Respiration</i> , 2008 , 76, 53-60	3.7	20
75	Rising total costs and mortality rates associated with admissions due to COPD exacerbations. <i>Respiratory Research</i> , 2016 , 17, 149	7.3	20
74	Cost-effectiveness of initiating extrafine- or standard size-particle inhaled corticosteroid for asthma in two health-care systems: a retrospective matched cohort study. <i>Npj Primary Care Respiratory Medicine</i> , 2014 , 24, 14081	3.2	19

73	Interactions between HIV infection and chronic obstructive pulmonary disease: Clinical and epidemiological aspects. <i>Respiratory Research</i> , 2011 , 12, 117	7.3	19
72	Long-term optimal aeration strategies for small-size alternating activated sludge treatment plants. <i>Chemical Engineering and Processing: Process Intensification</i> , 2005 , 44, 591-604	3.7	19
71	Biological Treatments of Oilfield Produced Water: A Comprehensive Review. <i>SPE Journal</i> , 2019 , 24, 2135-2147	3.1	18
70	Outcome and prognostic factors of pleural mesothelioma after surgical diagnosis and/or pleurodesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 1305-11	1.5	18
69	Calibration of hydrodynamic behavior and biokinetics for TOC removal modeling in biofilm reactors under different hydraulic conditions. <i>Bioresource Technology</i> , 2013 , 144, 202-9	11	18
68	Increased Dose of Inhaled Corticosteroid versus Add-On Long-acting β Agonist for Step-Up Therapy in Asthma. <i>Annals of the American Thoracic Society</i> , 2015 , 12, 798-806	4.7	18
67	Modelling hydrodynamics of horizontal flow steel slag filters designed to upgrade phosphorus removal in small wastewater treatment plants. <i>Journal of Environmental Management</i> , 2018 , 206, 349-356	7.9	17
66	Removal of Pharmaceuticals from Water by Adsorption and Advanced Oxidation Processes: State of the Art and Trends. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6659	2.6	17
65	Patient preferences for dry powder inhaler attributes in asthma and chronic obstructive pulmonary disease in France: a discrete choice experiment. <i>BMC Pulmonary Medicine</i> , 2017 , 17, 99	3.5	16
64	A clinical in-hospital prognostic score for acute exacerbations of COPD. <i>Respiratory Research</i> , 2014 , 15, 99	7.3	16
63	Patient Focus and Regulatory Considerations for Inhalation Device Design: Report from the 2015 IPAC-RS/ISAM Workshop. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017 , 30, 1-13	3.8	16
62	Membrane bioreactors for 17 β -ethinylestradiol removal. <i>Journal of Membrane Science</i> , 2010 , 362, 81-85	9.6	16
61	The Relationship Between 24-Hour Symptoms and COPD Exacerbations and Healthcare Resource Use: Results from an Observational Study (ASSESS). <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2016 , 13, 561-8	2	16
60	Biological Removal and Fate Assessment of Diclofenac Using <i>Bacillus subtilis</i> and <i>Brevibacillus laterosporus</i> Strains and Ecotoxicological Effects of Diclofenac and 4?-Hydroxy-diclofenac. <i>Journal of Chemistry</i> , 2020 , 2020, 1-12	2.3	15
59	Choosing inhaler devices for people with asthma: Current knowledge and outstanding research needs. <i>Respiratory Medicine CME</i> , 2010 , 3, 125-131		15
58	Nociceptin inhibits vanilloid TRPV-1-mediated neurosensitization induced by fenoterol in human isolated bronchi. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 167-75	3.4	15
57	Inhaler technique mastery and maintenance in healthcare professionals trained on different devices. <i>Journal of Asthma</i> , 2018 , 55, 79-88	1.9	14
56	Comparing the effectiveness of small-particle versus large-particle inhaled corticosteroid in COPD. <i>International Journal of COPD</i> , 2014 , 9, 1163-86	3	14

55	Association between occupational exposure and the clinical characteristics of COPD. <i>BMC Public Health</i> , 2012 , 12, 302	4.1	14
54	Limiting the Pollutant Content in the Sewage Sludge Producer Gas through Staged Gasification. <i>Chemical Engineering and Technology</i> , 2013 , 36, 1985-1996	2	14
53	Hospitalizations for COPD Exacerbations: Trends and Determinants of Death. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2015 , 12, 621-7	2	14
52	Effectiveness of initiating extrafine-particle versus fine-particle inhaled corticosteroids as asthma therapy in the Netherlands. <i>BMC Pulmonary Medicine</i> , 2016 , 16, 80	3.5	13
51	Intensive care unit admission in chronic obstructive pulmonary disease: patient information and the physician's decision-making process. <i>Critical Care</i> , 2014 , 18, R115	10.8	13
50	Which is the Role of Pneumonectomy in the Era of Parenchymal-Sparing Procedures? Early/Long-Term Survival and Functional Results of a Single-Center Experience. <i>Lung</i> , 2015 , 193, 965-73	2.9	13
49	Association of chronic nasal symptoms with dyspnoea and quality-of-life impairment in chronic obstructive pulmonary disease. <i>Respirology</i> , 2014 , 19, 346-52	3.6	13
48	FEV1/FVC and FEV1 for the assessment of chronic airflow obstruction in prevalence studies: do prediction equations need revision?. <i>Respiratory Medicine</i> , 2008 , 102, 1568-74	4.6	13
47	Mid-regional pro-adrenomedullin and copeptin to predict short-term prognosis of COPD exacerbations: a multicenter prospective blinded study. <i>International Journal of COPD</i> , 2017 , 12, 1047-1056	3.56	12
46	The study of protozoa population in wastewater treatment plants by image analysis. <i>Brazilian Journal of Chemical Engineering</i> , 2001 , 18, 103-111	1.7	12
45	Effects of C/N Ratio and DO concentration on Carbon and Nitrogen removals in a Hybrid Biological Reactor. <i>Biochemical Engineering Journal</i> , 2019 , 151, 107313	4.2	11
44	Real-Life Outcomes for Patients with Asthma Prescribed Spacers for Use with Either Extrafine- or Fine-Particle Inhaled Corticosteroids. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017 , 5, 1040-1049.e4	5.4	10
43	Parameters controlling chemical deposits in micro-irrigation with treated wastewater 2017 , 66, 587-597		10
42	Acute respiratory illness as a trigger for detecting chronic bronchitis in adults at risk of COPD: a primary care survey. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2010 , 19, 371-7		10
41	Experimental Study of Mass Transfer Phenomena in a Cross Flow Membrane Bioreactor: Aeration and Membrane Separation. <i>Engineering in Life Sciences</i> , 2005 , 5, 409-414	3.4	10
40	A comparative study of conventional activated sludge and fixed bed hybrid biological reactor for oilfield produced water treatment: Influence of hydraulic retention time. <i>Chemical Engineering Journal</i> , 2021 , 420, 127611	14.7	10
39	Thermochemical Conversion of Sewage Sludge by TGA-FTIR Analysis: Influence of Mineral Matter Added. <i>Drying Technology</i> , 2015 , 33, 1318-1326	2.6	9
38	Add-on LABA in a separate inhaler as asthma step-up therapy increased dose of ICS or ICS/LABA combination inhaler. <i>ERJ Open Research</i> , 2016 , 2,	3.5	9

37	Undiagnosed airflow limitation in patients at cardiovascular risk. <i>Archives of Cardiovascular Diseases</i> , 2011 , 104, 619-26	2.7	9
36	Tiotropium might improve survival in subjects with COPD at high risk of mortality. <i>Respiratory Research</i> , 2014 , 15, 64	7.3	8
35	Oxygen Transfer in Activated Sludge Surface-Aerated Process. <i>Environmental Technology (United Kingdom)</i> , 1995 , 16, 279-285	2.6	8
34	Asthma-Related Outcomes in Patients Initiating Extrafine Ciclesonide or Fine-Particle Inhaled Corticosteroids. <i>Allergy, Asthma and Immunology Research</i> , 2017 , 9, 116-125	5.3	7
33	Limited treatment adaptation despite poor asthma control in asthma patients treated with inhaled corticosteroids. <i>Journal of Asthma</i> , 2016 , 53, 76-85	1.9	7
32	A simple empirical model for hindered settling in activated sludge clarifier. <i>Water Environment Research</i> , 1995 , 67, 775-780	2.8	7
31	International cross-sectional and longitudinal assessment on asthma control in European adult patients--the LIAISON study protocol. <i>BMC Pulmonary Medicine</i> , 2013 , 13, 18	3.5	6
30	Modeling partial nitrification and denitrification in a hybrid biofilm reactor: calibration by retention time distribution and respirometric tests. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12849-60	5.1	6
29	Enhancement of oxygen mass transfer coefficients in a hybrid membrane bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1007-1013	3.5	6
28	Protease-activated receptor 2 in regulation of bronchomotor tone: effect of tobacco smoking. <i>Life Sciences</i> , 2004 , 75, 991-1002	6.8	6
27	Nitrification of high strength ammonium wastewater in an aerated submerged fixed bed. <i>Environmental Progress</i> , 1999 , 18, 123-129		6
26	Kinetics and capacity of phosphorus extraction from solid residues obtained from wet air oxidation of sewage sludge. <i>Waste Management</i> , 2019 , 89, 275-283	8.6	5
25	Interpreting hydrodynamic behaviour by the model of stirred tanks in series with exchanged zones: preliminary study in lab-scale trickling filters. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 2571-8	2.6	5
24	Effect of exo-polysaccharide concentration in the rheological properties and settling ability of activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 2995-3003	2.6	5
23	Microcalorimetric qualitative analysis of biofilm development in porous media used in wastewater treatment by constructed wetland. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 104, 113-118	4.1	5
22	Biodegradation of High Phenol Concentration in a Membrane Bioreactor. <i>International Journal of Chemical Reactor Engineering</i> , 2008 , 6,	1.2	5
21	Modeling and Simulation of Activated Sludge Process with Cyclic Feeding for Treatment of Highly Loaded Wastewater. <i>Chemical Engineering and Technology</i> , 1999 , 22, 50-56	2	5
20	In situ rheological characterisation of wastewater sludge: Comparison of stirred bioreactor and pipe flow configurations. <i>Chemical Engineering Journal</i> , 2015 , 259, 205-212	14.7	4

19	Real-life use of long-acting antimuscarinic agents following their approval for COPD treatment. <i>European Respiratory Journal</i> , 2015 , 45, 260-2	13.6	4
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