

Nicolas Roche

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

13,139
citations

22099

59
h-index

25716

108
g-index

212
all docs

212
docs citations

212
times ranked

15356
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Lung Disease 2017 Report. GOLD Executive Summary. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 557-582.	2.5	2,393
2	Indacaterol-Glycopyrronium versus Salmeterol-Fluticasone for COPD. New England Journal of Medicine, 2016, 374, 2222-2234.	13.9	688
3	From the conventional biological wastewater treatment to hybrid processes, the evaluation of organic micropollutant removal: A review. Water Research, 2017, 111, 297-317.	5.3	552
4	Informe 2017 de la Iniciativa Global para el Diagnóstico, Tratamiento y Prevención de la Enfermedad Pulmonar Obstructiva Crónica: Resumen Ejecutivo de GOLD. Archivos De Bronconeumología, 2017, 53, 128-149.	0.4	312
5	Cough and Sputum Production Are Associated With Frequent Exacerbations and Hospitalizations in COPD Subjects. Chest, 2009, 135, 975-982.	0.4	299
6	Global Strategy for the Diagnosis, Management and Prevention of Chronic Obstructive Lung Disease 2017 Report. Respirology, 2017, 22, 575-601.	1.3	299
7	Current concepts in targeting chronic obstructive pulmonary disease pharmacotherapy: making progress towards personalised management. Lancet, The, 2015, 385, 1789-1798.	6.3	209
8	State-of-the-art: rheological characterisation of wastewater treatment sludge. Biochemical Engineering Journal, 2003, 16, 41-56.	1.8	207
9	Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Lung Disease 2017 Report: GOLD Executive Summary. Archivos De Bronconeumología, 2017, 53, 128-149.	0.4	173
10	Biodegradation of high phenol concentration by activated sludge in an immersed membrane bioreactor. Biochemical Engineering Journal, 2006, 30, 174-183.	1.8	168
11	An Official American Thoracic Society/European Respiratory Society Statement: Research Questions in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, e4-e27.	2.5	166
12	Epidemiology of spontaneous pneumothorax: gender-related differences. Thorax, 2015, 70, 653-658.	2.7	164
13	Inhaler technique and asthma: Feasibility and acceptability of training by pharmacists. Respiratory Medicine, 2011, 105, 1815-1822.	1.3	159
14	Current evidence and future research needs for FeNO measurement in respiratory diseases. Respiratory Medicine, 2014, 108, 830-841.	1.3	157
15	Choosing inhaler devices for people with asthma: Current knowledge and outstanding research needs. Respiratory Medicine, 2010, 104, 1237-1245.	1.3	146
16	A review of national guidelines for management of COPD in Europe. European Respiratory Journal, 2016, 47, 625-637.	3.1	145
17	Observational study to characterise 24-hour COPD symptoms and their relationship with patient-reported outcomes: results from the ASSESS study. Respiratory Research, 2014, 15, 122.	1.4	144
18	Optimal design and operation of activated sludge processes: State-of-the-art. Chemical Engineering Journal, 2015, 281, 900-920.	6.6	141

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19	Blood Eosinophils and Response to Maintenance Chronic Obstructive Pulmonary Disease Treatment. Data from the FLAME Trial. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1189-1197.	2.5	139
20	An official American Thoracic Society/European Respiratory Society statement: research questions in COPD. European Respiratory Journal, 2015, 45, 879-905.	3.1	138
21	Systemic Inflammation, Nutritional Status and Tumor Immune Microenvironment Determine Outcome of Resected Non-Small Cell Lung Cancer. PLoS ONE, 2014, 9, e106914.	1.1	137
22	Industrial wastewater treatment in a membrane bioreactor: A review. Environmental Progress, 2004, 23, 59-68.	0.8	132
23	Mortality prediction in chronic obstructive pulmonary disease comparing the GOLD 2007 and 2011 staging systems: a pooled analysis of individual patient data. Lancet Respiratory Medicine, the, 2015, 3, 443-450.	5.2	125
24	Postintensive care unit psychological burden in patients with chronic obstructive pulmonary disease and informal caregivers: A multicenter study. Critical Care Medicine, 2011, 39, 112-118.	0.4	119
25	Rheological measurements of sewage sludge for various solids concentrations and geometry. Process Biochemistry, 2006, 41, 1656-1662.	1.8	116
26	Quality Standards for Real-World Research. Focus on Observational Database Studies of Comparative Effectiveness. Annals of the American Thoracic Society, 2014, 11, S99-S104.	1.5	115
27	Determinants and impact of suboptimal asthma control in Europe: The INTERNATIONAL CROSS-SECTIONAL AND LONGITUDINAL ASSESSMENT ON ASTHMA CONTROL (LIAISON) study. Respiratory Research, 2016, 17, 51.	1.4	110
28	Mechanisms, assessment and therapeutic implications of lung hyperinflation in COPD. Respiratory Medicine, 2015, 109, 785-802.	1.3	108
29	Two Distinct Chronic Obstructive Pulmonary Disease (COPD) Phenotypes Are Associated with High Risk of Mortality. PLoS ONE, 2012, 7, e51048.	1.1	104
30	Impact of comorbidities on COPD-specific health-related quality of life. Respiratory Medicine, 2013, 107, 233-241.	1.3	103
31	Integrating real-life studies in the global therapeutic research framework. Lancet Respiratory Medicine, the, 2013, 1, e29-e30.	5.2	102
32	High-risk patients following hospitalisation for an acute exacerbation of COPD. European Respiratory Journal, 2013, 42, 946-955.	3.1	102
33	Prognosis of patients with acute myeloid leukaemia admitted to intensive care. British Journal of Haematology, 2005, 129, 350-357.	1.2	99
34	Effect of rehabilitation and botulinum toxin injection on gait in chronic stroke patients: A randomized controlled study. Journal of Rehabilitation Medicine, 2015, 47, 31-37.	0.8	95
35	Characteristics of patients making serious inhaler errors with a dry powder inhaler and association with asthma-related events in a primary care setting. Journal of Asthma, 2016, 53, 321-329.	0.9	86
36	Improving the Management of COPD in Women. Chest, 2017, 151, 686-696.	0.4	86

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37	Role of biomarkers in the management of antibiotic therapy: an expert panel review: I â€œ currently available biomarkers for clinical use in acute infections. <i>Annals of Intensive Care</i> , 2013, 3, 22.	2.2	83
38	Relationship between blood eosinophils, clinical characteristics, and mortality in patients with COPD. <i>International Journal of COPD</i> , 2017, Volume 12, 1819-1824.	0.9	81
39	Atmospheric Pressure Influences the Risk of Pneumothorax. <i>Chest</i> , 2007, 131, 1877-1882.	0.4	78
40	Noninvasive ventilation for acute respiratory failure after lung resection: an observational study. <i>Intensive Care Medicine</i> , 2009, 35, 663-670.	3.9	77
41	Degradation of synthetic phenol-containing wastewaters by MBR. <i>Journal of Membrane Science</i> , 2006, 281, 288-296.	4.1	76
42	COPD symptoms in the morning: impact, evaluation and management. <i>Respiratory Research</i> , 2013, 14, 112.	1.4	76
43	Current Controversies in the Pharmacological Treatment of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 541-549.	2.5	73
44	Pulmonary hypertension and dexfenfluramine. <i>Lancet, The</i> , 1992, 339, 436-437.	6.3	72
45	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, 511-518.e10.	1.5	72
46	An official American Thoracic Society/European Respiratory Society statement: research questions in COPD. <i>European Respiratory Review</i> , 2015, 24, 159-172.	3.0	72
47	Early postoperative prophylactic noninvasive ventilation after major lung resection in COPD patients: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2014, 40, 220-227.	3.9	70
48	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.	0.9	70
49	Development and validation of a cough and sputum assessment questionnaire. <i>Respiratory Medicine</i> , 2008, 102, 1545-1555.	1.3	67
50	17Î±â€œEthinylestradiol: 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.	0.8	66
51	Real-world research and its importance in respiratory medicine. <i>Breathe</i> , 2015, 11, 26-38.	0.6	66
52	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.	1.3	66
53	Clinical Pharmacokinetics and Pharmacodynamics of Desloratadine, Fexofenadine and Levocetirizine. <i>Clinical Pharmacokinetics</i> , 2008, 47, 217-230.	1.6	64
54	Device type and real-world effectiveness of asthma combination therapy: An observational study. <i>Respiratory Medicine</i> , 2011, 105, 1457-1466.	1.3	64

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55	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, 1161-1167.	0.4	64
56	Blood eosinophil count and exacerbation risk in patients with COPD. <i>European Respiratory Journal</i> , 2017, 50, 1700761.	3.1	64
57	Characterisation of activated sludge by automated image analysis. <i>Biochemical Engineering Journal</i> , 2001, 9, 165-173.	1.8	62
58	Transformation of Pristine and Citrate-Functionalized CeO ₂ Nanoparticles in a Laboratory-Scale Activated Sludge Reactor. <i>Environmental Science & Technology</i> , 2014, 48, 7289-7296.	4.6	61
59	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.	0.7	60
60	Optimal aeration control of industrial alternating activated sludge plants. <i>Biochemical Engineering Journal</i> , 2005, 23, 277-289.	1.8	59
61	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.	2.2	59
62	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, 1884-1892.	0.4	59
63	Pneumothorax in Women of Child-Bearing Age. <i>Chest</i> , 2014, 145, 354-360.	0.4	56
64	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, 367-373.	1.5	55
65	Asthma outcomes and costs of therapy with extrafine beclomethasone and fluticasone. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 45-54.e10.	1.5	55
66	Identification of Clinical Phenotypes Using Cluster Analyses in COPD Patients with Multiple Comorbidities. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	55
67	In situ triphasic rheological characterisation of activated sludge, in an aerated bioreactor. <i>Chemical Engineering Journal</i> , 2008, 142, 40-47.	6.6	53
68	Real World COPD: Association of Morning Symptoms with Clinical and Patient Reported Outcomes. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2013, 10, 679-686.	0.7	53
69	Lung Function Abnormalities in Smokers with Ischemic Heart Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 568-576.	2.5	53
70	Prognosis of cocaine body-packers. <i>Intensive Care Medicine</i> , 2005, 31, 955-958.	3.9	50
71	Mineralogy and leachability of gasified sewage sludge solid residues. <i>Journal of Hazardous Materials</i> , 2011, 191, 219-227.	6.5	49
72	Should We Change Antibiotic Prophylaxis for Lung Surgery? Postoperative Pneumonia Is the Critical Issue. <i>Annals of Thoracic Surgery</i> , 2008, 86, 1727-1733.	0.7	47

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73	Pneumothorax Recurrence After Surgery in Women: Clinicopathologic Characteristics and Management. <i>Annals of Thoracic Surgery</i> , 2011, 92, 322-326.	0.7	47
74	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, 33-39.	1.3	45
75	Survey of Protozoa and Metazoa populations in wastewater treatment plants by image analysis and discriminant analysis. <i>Environmetrics</i> , 2004, 15, 381-390.	0.6	44
76	Chronic bronchitis in the general population: Influence of age, gender and socio-economic conditions. <i>Respiratory Medicine</i> , 2012, 106, 467-471.	1.3	44
77	High quality standards for a large-scale prospective population-based observational cohort: Constances. <i>BMC Public Health</i> , 2016, 16, 877.	1.2	44
78	The Evolution of Pressurized Metered-Dose Inhalers from Early to Modern Devices. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2016, 29, 311-327.	0.7	44
79	Dynamic optimisation of small size wastewater treatment plants including nitrification and denitrification processes. <i>Computers and Chemical Engineering</i> , 2001, 25, 585-593.	2.0	43
80	Impact of current cough on health-related quality of life in patients with COPD. <i>International Journal of COPD</i> , 2016, Volume 11, 2091-2097.	0.9	43
81	Asymptomatic subjects with airway obstruction have significant impairment at exercise. <i>Thorax</i> , 2016, 71, 804-811.	2.7	42
82	Reassessing the Evidence Hierarchy in Asthma: Evaluating Comparative Effectiveness. <i>Current Allergy and Asthma Reports</i> , 2011, 11, 526-38.	2.4	41
83	Inhibition of activated sludge respiration by sodium azide addition: Effect on rheology and oxygen transfer. <i>Chemical Engineering Journal</i> , 2010, 163, 230-235.	6.6	40
84	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, 247-254.	1.3	40
85	Multi-objective optimal control of small-size wastewater treatment plants. <i>Chemical Engineering Research and Design</i> , 2015, 102, 345-353.	2.7	40
86	Clinical COPD phenotypes identified by cluster analysis: validation with mortality. <i>European Respiratory Journal</i> , 2012, 40, 495-496.	3.1	38
87	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, 721-731.e16.	2.0	38
88	Co-gasification of wastewater sludge and different feedstock: Feasibility study. <i>Biomass and Bioenergy</i> , 2016, 89, 201-209.	2.9	38
89	Clinical practice guidelines: Medical follow-up of patients with asthma—Adults and adolescents. <i>Respiratory Medicine</i> , 2005, 99, 793-815.	1.3	36
90	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.	1.1	36

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91	Impact of gender on COPD expression in a real-life cohort. <i>Respiratory Research</i> , 2014, 15, 20.	1.4	35
92	Chronic obstructive pulmonary disease exacerbations in emergency departments: predictors of outcome. <i>Current Opinion in Pulmonary Medicine</i> , 2010, 16, 112-117.	1.2	31
93	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, 1201-1203.	3.1	31
94	Biological Treatments of Oilfield Produced Water: A Comprehensive Review. <i>SPE Journal</i> , 2019, 24, 2135-2147.	1.7	31
95	Predictors of an Appropriate Admission to an ICU after a Major Pulmonary Resection. <i>Respiration</i> , 2006, 73, 157-165.	1.2	29
96	Hospital admissions related to acute exacerbations of chronic obstructive pulmonary disease in France, 1998-2007. <i>Respiratory Medicine</i> , 2011, 105, 595-601.	1.3	29
97	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.	0.8	29
98	Prospective Testing of Two Models Based on Clinical and Oximetric Variables for Prediction of Obstructive Sleep Apnea. <i>Chest</i> , 2002, 121, 747-752.	0.4	28
99	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.	2.7	28
100	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.	0.8	28
101	The Effect of an Information Leaflet upon Knowledge and Awareness of COPD in Potential Sufferers. <i>Respiration</i> , 2008, 76, 53-60.	1.2	27
102	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, 96-99.	0.5	27
103	Rising total costs and mortality rates associated with admissions due to COPD exacerbations. <i>Respiratory Research</i> , 2016, 17, 149.	1.4	27
104	Monitoring filamentous bulking in activated sludge systems fed by synthetic or municipal wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2003, 25, 387-393.	1.7	26
105	Thermal Gasification: A Feasible Solution for Sewage Sludge Valorisation?. <i>Chemical Engineering and Technology</i> , 2003, 26, 941-945.	0.9	26
106	Biofilm development in micro-irrigation emitters for wastewater reuse. <i>Irrigation Science</i> , 2014, 32, 77-85.	1.3	26
107	Kinetic parameters for 17 β -ethinylestradiol removal by nitrifying activated sludge developed in a membrane bioreactor. <i>Bioresource Technology</i> , 2010, 101, 6425-6431.	4.8	25
108	Interactions between HIV infection and chronic obstructive pulmonary disease: Clinical and epidemiological aspects. <i>Respiratory Research</i> , 2011, 12, 117.	1.4	25

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109	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.	1.8	24
110	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.	0.7	23
111	Association between occupational exposure and the clinical characteristics of COPD. <i>BMC Public Health</i> , 2012, 12, 302.	1.2	22
112	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.	0.8	22
113	Outcome and prognostic factors of pleural mesothelioma after surgical diagnosis and/or pleurodesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1305-1311.	0.4	21
114	A clinical in-hospital prognostic score for acute exacerbations of COPD. <i>Respiratory Research</i> , 2014, 15, 99.	1.4	21
115	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.	1.1	21
116	Choosing inhaler devices for people with asthma: Current knowledge and outstanding research needs. <i>Respiratory Medicine CME</i> , 2010, 3, 125-131.	0.1	20
117	Effect of membrane bioreactor configurations on sludge structure and microbial activity. <i>Bioresource Technology</i> , 2011, 102, 975-981.	4.8	20
118	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, 965-973.	1.4	20
119	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.	3.8	20
120	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.	0.9	20
121	Hospitalizations for COPD Exacerbations: Trends and Determinants of Death. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2015, 12, 621-7.	0.7	20
122	Calibration of hydrodynamic behavior and biokinetics for TOC removal modeling in biofilm reactors under different hydraulic conditions. <i>Bioresource Technology</i> , 2013, 144, 202-209.	4.8	19
123	Limiting the Pollutant Content in the Sewage Sludge Producer Gas through Staged Gasification. <i>Chemical Engineering and Technology</i> , 2013, 36, 1985-1996.	0.9	19
124	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.	2.5	19
125	Increased Dose of Inhaled Corticosteroid versus Add-On Long-acting β_2 -Agonist for Step-Up Therapy in Asthma. <i>Annals of the American Thoracic Society</i> , 2015, 12, 798-806.	1.5	19
126	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.	6.6	19

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127	Emerging Pollutants in Moroccan Wastewater: Occurrence, Impact, and Removal Technologies. <i>Journal of Chemistry</i> , 2022, 2022, 1-24.	0.9	19
128	Potential Use of Constructed Wetland Systems for Rural Sanitation and Wastewater Reuse in Agriculture in the Moroccan Context. <i>Energies</i> , 2022, 15, 156.	1.6	19
129	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.	1.4	18
130	Comparing the effectiveness of small-particle versus large-particle inhaled corticosteroid in COPD. <i>International Journal of COPD</i> , 2014, 9, 1163.	0.9	18
131	Cough hypersensitivity syndrome: towards a new approach to chronic cough. <i>European Respiratory Journal</i> , 2014, 44, 1103-1106.	3.1	18
132	Inhaler technique mastery and maintenance in healthcare professionals trained on different devices. <i>Journal of Asthma</i> , 2018, 55, 79-88.	0.9	18
133	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.	1.8	18
134	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, 1568-1574.	1.3	17
135	Membrane bioreactors for 17 β -ethinylestradiol removal. <i>Journal of Membrane Science</i> , 2010, 362, 81-85.	4.1	17
136	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, 561-568.	0.7	17
137	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, Volume 12, 1047-1056.	0.9	16
138	The study of protozoa population in wastewater treatment plants by image analysis. <i>Brazilian Journal of Chemical Engineering</i> , 2001, 18, 103-111.	0.7	16
139	Association of chronic nasal symptoms with dyspnoea and quality of life impairment in chronic obstructive pulmonary disease. <i>Respirology</i> , 2014, 19, 346-352.	1.3	15
140	Effectiveness of initiating extrafine-particle versus fine-particle inhaled corticosteroids as asthma therapy in the Netherlands. <i>BMC Pulmonary Medicine</i> , 2016, 16, 80.	0.8	15
141	Parameters controlling chemical deposits in micro-irrigation with treated wastewater. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2017, 66, 587-597.	0.6	15
142	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, 371-377.	2.5	13
143	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.	2.0	13
144	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.	3.7	13

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145	Oxygen Transfer in Activated Sludge Surface-Aerated Process. Environmental Technology (United Kingdom), 2005, 26, 1143-1152.	1.2	11
146	Experimental Study of Mass Transfer Phenomena in a Cross Flow Membrane Bioreactor: Aeration and Membrane Separation. Engineering in Life Sciences, 2005, 5, 409-414.	2.0	11
147	Tiotropium might improve survival in subjects with COPD at high risk of mortality. Respiratory Research, 2014, 15, 64.	1.4	11
148	Thermochemical Conversion of Sewage Sludge by TGA-FTIR Analysis: Influence of Mineral Matter Added. Drying Technology, 2015, 33, 1318-1326.	1.7	11
149	Add-on LABA in a separate inhaler as asthma step-up therapy versus increased dose of ICS or ICS/LABA combination inhaler. ERJ Open Research, 2016, 2, 00106-2015.	1.1	11
150	Asthma-Related Outcomes in Patients Initiating Extrafine Ciclesonide or Fine-Particle Inhaled Corticosteroids. Allergy, Asthma and Immunology Research, 2017, 9, 116.	1.1	11
151	A simple empirical model for hindered settling in activated sludge clarifier. Water Environment Research, 1995, 67, 775-780.	1.3	10
152	Undiagnosed airflow limitation in patients at cardiovascular risk. Archives of Cardiovascular Diseases, 2011, 104, 619-626.	0.7	10
153	The difficulties of measuring and improving physical activity in COPD. Npj Primary Care Respiratory Medicine, 2014, 24, 14014.	1.1	9
154	Modeling partial nitrification and denitrification in a hybrid biofilm reactor: calibration by retention time distribution and respirometric tests. Environmental Science and Pollution Research, 2015, 22, 12849-12860.	2.7	9
155	Limited treatment adaptation despite poor asthma control in asthma patients treated with inhaled corticosteroids. Journal of Asthma, 2016, 53, 76-85.	0.9	9
156	Effect of exo-polysaccharide concentration in the rheological properties and settling ability of activated sludge. Environmental Technology (United Kingdom), 2013, 34, 2995-3003.	1.2	8
157	Interpreting hydrodynamic behaviour by the model of stirred tanks in series with exchanged zones: preliminary study in lab-scale trickling filters. Environmental Technology (United Kingdom), 2013, 34, 2571-2578.	1.2	7
158	International cross-sectional and longitudinal assessment on asthma control in European adult patients - the LIAISON study protocol. BMC Pulmonary Medicine, 2013, 13, 18.	0.8	7
159	Bronchodilator combinations for COPD: real hopes or a new Pandora's box?. European Respiratory Journal, 2013, 42, 1441-1445.	3.1	7
160	Enhancement of oxygen mass transfer coefficients in a hybrid membrane bioreactor. Journal of Chemical Technology and Biotechnology, 2013, 88, 1007-1013.	1.6	7
161	In situ rheological characterisation of wastewater sludge: Comparison of stirred bioreactor and pipe flow configurations. Chemical Engineering Journal, 2015, 259, 205-212.	6.6	7
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