

Antonio Molino

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

4,383
citations

94381

37
h-index

110317

64
g-index

96
all docs

96
docs citations

96
times ranked

6091
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass gasification technology: The state of the art overview. <i>Journal of Energy Chemistry</i> , 2016, 25, 10-25.	7.1	641
2	Biofuels Production by Biomass Gasification: A Review. <i>Energies</i> , 2018, 11, 811.	1.6	281
3	Advances in biopolymer-based membrane preparation and applications. <i>Journal of Membrane Science</i> , 2018, 564, 562-586.	4.1	255
4	Microalgae Characterization for Consolidated and New Application in Human Food, Animal Feed and Nutraceuticals. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2436.	1.2	155
5	Climate Change and Air Pollution: Effects on Respiratory Allergy. <i>Allergy, Asthma and Immunology Research</i> , 2016, 8, 391.	1.1	146
6	Recent developments in supercritical fluid extraction of bioactive compounds from microalgae: Role of key parameters, technological achievements and challenges. <i>Journal of CO2 Utilization</i> , 2020, 36, 196-209.	3.3	145
7	Extraction of astaxanthin from microalga <i>Haematococcus pluvialis</i> in red phase by using generally recognized as safe solvents and accelerated extraction. <i>Journal of Biotechnology</i> , 2018, 283, 51-61.	1.9	126
8	Thunderstorm-related asthma: what happens and why. <i>Clinical and Experimental Allergy</i> , 2016, 46, 390-396.	1.4	124
9	Extraction of Astaxanthin and Lutein from Microalga <i>Haematococcus pluvialis</i> in the Red Phase Using CO2 Supercritical Fluid Extraction Technology with Ethanol as Co-Solvent. <i>Marine Drugs</i> , 2018, 16, 432.	2.2	105
10	Supercritical Carbon Dioxide Extraction of Astaxanthin, Lutein, and Fatty Acids from <i>Haematococcus pluvialis</i> Microalgae. <i>Marine Drugs</i> , 2018, 16, 334.	2.2	103
11	Asthma-related deaths. <i>Multidisciplinary Respiratory Medicine</i> , 2016, 11, 37.	0.6	100
12	The impact of cold on the respiratory tract and its consequences to respiratory health. <i>Clinical and Translational Allergy</i> , 2018, 8, 20.	1.4	97
13	Effects on asthma and respiratory allergy of Climate change and air pollution. <i>Multidisciplinary Respiratory Medicine</i> , 2015, 10, 39.	0.6	92
14	Climate change, air pollution, and allergic respiratory diseases: an update. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 434-440.	1.1	81
15	Hydrogen from the high temperature water gas shift reaction with an industrial Fe/Cr catalyst using biomass gasification tar rich synthesis gas. <i>Fuel Processing Technology</i> , 2015, 132, 39-48.	3.7	72
16	Role of the inflammasome in chronic obstructive pulmonary disease (COPD). <i>Oncotarget</i> , 2017, 8, 81813-81824.	0.8	72
17	Treating severe allergic asthma with anti-IgE monoclonal antibody (omalizumab): a review. <i>Multidisciplinary Respiratory Medicine</i> , 2014, 9, 23.	0.6	62
18	Persistent Endothelial Dysfunction in Post-Acute COVID-19 Syndrome: A Case-Control Study. <i>Biomedicines</i> , 2021, 9, 957.	1.4	61

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19	Venous thromboembolism and lung cancer: a review. <i>Multidisciplinary Respiratory Medicine</i> , 2015, 10, 28.	0.6	56
20	PDGF-BB induces PRMT1 expression through ERK1/2 dependent STAT1 activation and regulates remodeling in primary human lung fibroblasts. <i>Cellular Signalling</i> , 2016, 28, 307-315.	1.7	54
21	Enhancing Biomass and Lutein Production From <i>Scenedesmus almeriensis</i> : Effect of Carbon Dioxide Concentration and Culture Medium Reuse. <i>Frontiers in Plant Science</i> , 2020, 11, 415.	1.7	52
22	Experimental investigations of hydrogen production from CO catalytic conversion of tar rich syngas by biomass gasification. <i>Catalysis Today</i> , 2016, 277, 182-191.	2.2	51
23	Bench-Scale Cultivation of Microalgae <i>Scenedesmus almeriensis</i> for CO ₂ Capture and Lutein Production. <i>Energies</i> , 2019, 12, 2806.	1.6	50
24	Gasification of Granulated Scrap Tires for the Production of Syngas and a Low-Cost Adsorbent for Cd(II) Removal from Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 12154-12160.	1.8	49
25	Thunderstorm-related asthma attacks. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1786-1787.	1.5	49
26	Supercritical Fluid Extraction of Lutein from <i>Scenedesmus almeriensis</i> . <i>Molecules</i> , 2019, 24, 1324.	1.7	49
27	Post-COVID-19 Patients Who Develop Lung Fibrotic-like Changes Have Lower Circulating Levels of IFN- γ but Higher Levels of IL-1 β and TGF- β ² . <i>Biomedicines</i> , 2021, 9, 1931.	1.4	49
28	Effect of steam-pretreatment combined with hydrogen peroxide on lignocellulosic agricultural wastes for bioethanol production: Analysis of derived sugars and other by-products. <i>Journal of Energy Chemistry</i> , 2018, 27, 535-543.	7.1	47
29	Concerning operational aspects in supercritical water gasification of kraft black liquor. <i>Renewable Energy</i> , 2019, 130, 891-901.	4.3	45
30	Constitutive high expression of protein arginine methyltransferase 1 in asthmatic airway smooth muscle cells is caused by reduced microRNA-19a expression and leads to enhanced remodeling. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 510-524.e3.	1.5	44
31	Municipal waste leachate conversion via catalytic supercritical water gasification process. <i>Fuel</i> , 2017, 206, 155-161.	3.4	44
32	Selective Extraction of ω -3 Fatty Acids from <i>Nannochloropsis</i> sp. Using Supercritical CO ₂ Extraction. <i>Molecules</i> , 2019, 24, 2406.	1.7	44
33	Fractional exhaled nitric oxide-measuring devices: technology update. <i>Medical Devices: Evidence and Research</i> , 2016, 9, 151.	0.4	42
34	Chronic Obstructive Pulmonary Disease-Derived Circulating Cells Release IL-18 and IL-33 under Ultrafine Particulate Matter Exposure in a Caspase-1/8-Independent Manner. <i>Frontiers in Immunology</i> , 2017, 8, 1415.	2.2	42
35	Differential diagnosis between newly diagnosed asthma and COPD using exhaled breath condensate metabolomics: a pilot study. <i>European Respiratory Journal</i> , 2018, 51, 1701825.	3.1	42
36	MDCT evaluation of acute aortic syndrome (AAS). <i>British Journal of Radiology</i> , 2016, 89, 20150825.	1.0	40

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37	Waste tire recycling process for production of steam activated carbon in a pilot plant. Resources, Conservation and Recycling, 2018, 129, 102-111.	5.3	40
38	Supercritical water gasification of biomass and agro-food residues: Energy assessment from modelling approach. Renewable Energy, 2020, 150, 624-636.	4.3	38
39	Efficacy and Tolerability of Azithromycin versus Amoxicillin/Clavulanic Acid in Acute Purulent Exacerbation of Chronic Bronchitis. Journal of Chemotherapy, 1995, 7, 146-152.	0.7	37
40	Extended analysis of exhaled and nasal nitric oxide for the evaluation of chronic cough. Respiratory Medicine, 2015, 109, 970-974.	1.3	35
41	Geopolymer Composites for Potential Applications in Cultural Heritage. Environments - MDPI, 2017, 4, 91.	1.5	34
42	Eicosapentaenoic Acid Extraction from Nannochloropsis gaditana using Carbon Dioxide at Supercritical Conditions. Marine Drugs, 2019, 17, 132.	2.2	33
43	Right ventricular strain: An independent predictor of survival in idiopathic pulmonary fibrosis. International Journal of Cardiology, 2016, 222, 908-910.	0.8	32
44	Long-Term Management Policies of Reservoirs: Possible Re-Use of Dredged Sediments for Coastal Nourishment. Water (Switzerland), 2019, 11, 15.	1.2	32
45	Activation of the Absent in Melanoma 2 Inflammasome in Peripheral Blood Mononuclear Cells From Idiopathic Pulmonary Fibrosis Patients Leads to the Release of Pro-Fibrotic Mediators. Frontiers in Immunology, 2018, 9, 670.	2.2	31
46	Extraction of Bioactive Compounds Using Supercritical Carbon Dioxide. Molecules, 2019, 24, 782.	1.7	31
47	AIM2 Inflammasome Activation Leads to IL-1 β and TGF- β 2 Release From Exacerbated Chronic Obstructive Pulmonary Disease-Derived Peripheral Blood Mononuclear Cells. Frontiers in Pharmacology, 2019, 10, 257.	1.6	27
48	Clinical Assessment of Endothelial Function in Convalescent COVID-19 Patients Undergoing Multidisciplinary Pulmonary Rehabilitation. Biomedicines, 2021, 9, 614.	1.4	27
49	Biofuel Production and Phosphorus Recovery through an Integrated Treatment of Agro-Industrial Waste. Sustainability, 2019, 11, 52.	1.6	26
50	Smart Method for Carotenoids Characterization in Haematococcus pluvialis Red Phase and Evaluation of Astaxanthin Thermal Stability. Antioxidants, 2020, 9, 422.	2.2	26
51	Enhancing the recovery of gypsum in limestone-based wet flue gas desulfurization with high energy ball milling process: A feasibility study. Chemical Engineering Research and Design, 2017, 109, 117-129.	2.7	23
52	Impact of Continuous Positive Airway Pressure Therapy on Atrial Electromechanical Delay in Obesity-Related Hypoventilation Syndrome Patients. Journal of Cardiovascular Electrophysiology, 2016, 27, 327-334.	0.8	22
53	Long-term effect of weight loss induced by bariatric surgery on asthma control and health related quality of life in asthmatic patients with severe obesity: A pilot study. Respiratory Medicine, 2017, 130, 69-74.	1.3	22
54	Experimental and theoretical investigation on the recovery of green chemicals and energy from mixed agricultural wastes by coupling anaerobic digestion and supercritical water gasification. Chemical Engineering Journal, 2019, 370, 1101-1110.	6.6	20

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55	Nasal Nitric Oxide in Chronic Rhinosinusitis with or without Nasal Polyps: A Systematic Review with Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 200.	1.0	19
56	Improving the enzymatic hydrolysis of <i>Saccharum officinarum</i> L. bagasse by optimizing mixing in a stirred tank reactor: Quantitative analysis of biomass conversion. <i>Fuel Processing Technology</i> , 2016, 149, 15-22.	3.7	17
57	An Integrated Strategy for Nutraceuticals from <i>Haematococcus pluvialis</i> : From Cultivation to Extraction. <i>Antioxidants</i> , 2020, 9, 825.	2.2	17
58	Circulating and tumor-associated caspase-4: a novel diagnostic and prognostic biomarker for non-small cell lung cancer. <i>Oncotarget</i> , 2018, 9, 19356-19367.	0.8	17
59	Comparison of three different exhaled nitric oxide analyzers in chronic respiratory disorders. <i>Journal of Breath Research</i> , 2019, 13, 021002.	1.5	16
60	Effectiveness of <i>Dunaliella salina</i> Extracts against <i>Bacillus subtilis</i> and Bacterial Plant Pathogens. <i>Pathogens</i> , 2020, 9, 613.	1.2	15
61	Metabolomics of Exhaled Breath Condensate by Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry: A Methodological Approach. <i>Current Medicinal Chemistry</i> , 2020, 27, 2381-2399.	1.2	13
62	Effects of combination therapy indacaterol/glycopyrronium versus tiotropium on moderate to severe COPD: evaluation of impulse oscillometry and exacerbation rate. <i>Multidisciplinary Respiratory Medicine</i> , 2017, 12, 25.	0.6	12
63	Association between exhaled nitric oxide and nasal polyposis in severe asthma. <i>Respiratory Medicine</i> , 2019, 152, 20-24.	1.3	12
64	Altered lung tissue lipidomic profile in caspase-4 positive non-small cell lung cancer (NSCLC) patients. <i>Oncotarget</i> , 2020, 11, 3515-3525.	0.8	11
65	Real-Life Effectiveness of Mepolizumab on Forced Expiratory Flow between 25% and 75% of Forced Vital Capacity in Patients with Severe Eosinophilic Asthma. <i>Biomedicines</i> , 2021, 9, 1550.	1.4	11
66	Far field R-wave sensing in Myotonic Dystrophy type 1: right atrial appendage versus Bachmann's bundle region lead placement. <i>Acta Myologica</i> , 2014, 33, 94-9.	1.5	11
67	Anticholinergic drugs in asthma therapy. <i>Current Opinion in Pulmonary Medicine</i> , 2017, 23, 103-108.	1.2	10
68	Activation of the AIM2 Receptor in Circulating Cells of Post-COVID-19 Patients With Signs of Lung Fibrosis Is Associated With the Release of IL-1 β , IFN- γ and TGF- β ² . <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
69	Diagnostic yield and safety of C-TBNA in elderly patients with lung cancer. <i>Open Medicine (Poland)</i> , 2016, 11, 477-481.	0.6	8
70	Blood eosinophils as biomarkers of therapeutic response to chronic obstructive pulmonary disease: Still work in progress. <i>European Journal of Internal Medicine</i> , 2019, 68, 1-5.	1.0	8
71	AIM2/IL-1 β /TGF- β ² Axis in PBMCs From Exacerbated Chronic Obstructive Pulmonary Disease (COPD) Patients Is Not Related to COX-2-Dependent Inflammatory Pathway. <i>Frontiers in Physiology</i> , 2019, 10, 1235.	1.3	8
72	Hydrogen and Oxygen Evolution in a Membrane Photoreactor Using Suspended Nanosized Au/TiO ₂ and Au/CeO ₂ . <i>ChemEngineering</i> , 2019, 3, 5.	1.0	8

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73	The Immune-Modulator Pidotimod Affects the Metabolic Profile of Exhaled Breath Condensate in Bronchiectatic Patients: A Metabolomics Pilot Study. <i>Frontiers in Pharmacology</i> , 2019, 10, 1115.	1.6	7
74	Overview of extraction of astaxanthin from <i>Haematococcus pluvialis</i> using CO ₂ supercritical fluid extraction technology vis-a-vis quality demands. , 2021, , 341-354.		7
75	Bio-based and agriculture resources for production of bioproducts. , 2020, , 263-282.		6
76	Patient considerations in the treatment of COPD: focus on the new combination inhaler fluticasone furoate/umeclidinium/vilanterol. <i>Patient Preference and Adherence</i> , 2018, Volume 12, 993-1001.	0.8	5
77	Nimesulide in the Treatment of Chronic Bronchitis. <i>Drugs</i> , 1993, 46, 111-114.	4.9	4
78	Description of a new rare alpha-1 antitrypsin mutation in Naples (Italy): P1*M S-Napoli. <i>Annals of Thoracic Medicine</i> , 2018, 13, 59.	0.7	4
79	Power Production by Biomass Gasification Technologies. , 2019, , 293-318.		3
80	Management of Bradyarrhythmias in Heart Failure: A Tailored Approach. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1067, 255-269.	0.8	2
81	Conversion to thoracotomy during VATS segmentectomy for treatment of symptomatic endobronchial hamartoma. <i>International Journal of Surgery Case Reports</i> , 2018, 51, 272-274.	0.2	2
82	Subject Preferences and Psychological Implications of Portable Oxygen Concentrator Versus Compressed Oxygen Cylinder in Chronic Lung Disease. <i>Respiratory Care</i> , 2021, 66, 33-40.	0.8	2
83	Impact of bronchiectasis on duration of hospitalization in patients with exacerbations of COPD. , 2015, , .		2
84	Accessory right V6 behind the bronchus intermedius during VATS right upper lobectomy. <i>International Journal of Surgery Case Reports</i> , 2019, 56, 17-19.	0.2	1
85	Aquatic Weeds: A Potential Pollutant Removing Agent from Wastewater and Polluted Soil and Valuable Biofuel Feedstock. <i>Energy, Environment, and Sustainability</i> , 2021, , 59-77.	0.6	1
86	Effect of dual bronchodilation with indacaterol/glycopyrronium on small airways resistance in patients with stable COPD. , 2016, , .		1
87	Open label case-control study to assess Pidotimod efficacy in Non CF Bronchiectasis Disease: a pilot study. , 2017, , .		1
88	Biorefinery for Agro-Industrial Waste Into Value-Added Biopolymers: Production and Applications. <i>Clean Energy Production Technologies</i> , 2020, , 1-19.	0.3	1
89	Impact of continuous positive airway pressure therapy on atrial electromechanical delay in obesity-hypoventilation syndrome patients. , 2015, , .		0
90	Effect of ultrafine particle matter on human peripheral blood mononuclear cells of chronic obstructive pulmonary disease patients: involvement of the inflammasome. , 2017, , .		0

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91	Combined Pulmonary Fibrosis and Enphysema (CPFE): correlation between TC parameters and functional decline. , 2017, , .		0
92	Phenotyping asthma patients in the ED: 6 months experience in Naples. , 2018, , .		0