

# Paolo Montuschi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120  
papers

7,175  
citations

47  
h-index

83  
g-index

140  
ext. papers

8,190  
ext. citations

6.1  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
120	Isoprostanes: markers and mediators of oxidative stress. <i>FASEB Journal</i> , <b>2004</b> , 18, 1791-800	0.9	553
119	Exhaled 8-isoprostane as an in vivo biomarker of lung oxidative stress in patients with COPD and healthy smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2000</b> , 162, 1175-7	10.2	454
118	Increased 8-isoprostane, a marker of oxidative stress, in exhaled condensate of asthma patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1999</b> , 160, 216-20	10.2	444
117	A European Respiratory Society technical standard: exhaled biomarkers in lung disease. <i>European Respiratory Journal</i> , <b>2017</b> , 49,	13.6	295
116	Clinical and inflammatory characteristics of the European U-BIOPRED adult severe asthma cohort. <i>European Respiratory Journal</i> , <b>2015</b> , 46, 1308-21	13.6	292
115	8-Isoprostane as a biomarker of oxidative stress in interstitial lung diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1998</b> , 158, 1524-7	10.2	211
114	Insights into oxidative stress: the isoprostanes. <i>Current Medicinal Chemistry</i> , <b>2007</b> , 14, 703-17	4.3	198
113	Exhaled leukotrienes and prostaglandins in asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2002</b> , 109, 615-20	11.5	185
112	Acute Effects of Air Pollution on Pulmonary Function, Airway Inflammation, and Oxidative Stress in Asthmatic Children. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 668-674	8.4	175
111	Application of Omics technologies to biomarker discovery in inflammatory lung diseases. <i>European Respiratory Journal</i> , <b>2013</b> , 42, 802-25	13.6	174
110	Increased nitrosothiols in exhaled breath condensate in inflammatory airway diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2001</b> , 163, 854-8	10.2	170
109	Increased exhaled cysteinyl-leukotrienes and 8-isoprostane in aspirin-induced asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2002</b> , 166, 301-6	10.2	164
108	U-BIOPRED clinical adult asthma clusters linked to a subset of sputum omics. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 139, 1797-1807	11.5	163
107	Diagnostic performance of an electronic nose, fractional exhaled nitric oxide, and lung function testing in asthma. <i>Chest</i> , <b>2010</b> , 137, 790-6	5.3	162
106	Analysis of exhaled breath condensate for monitoring airway inflammation. <i>Trends in Pharmacological Sciences</i> , <b>2002</b> , 23, 232-7	13.2	152
105	Exhaled carbon monoxide and nitric oxide in COPD. <i>Chest</i> , <b>2001</b> , 120, 496-501	5.3	130
104	Acute effects of air pollution on pulmonary function, airway inflammation, and oxidative stress in asthmatic children. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 668-74	8.4	130

103	The electronic nose in respiratory medicine. <i>Respiration</i> , <b>2013</b> , 85, 72-84	3.7	128
102	Analysis of exhaled breath condensate in respiratory medicine: methodological aspects and potential clinical applications. <i>Therapeutic Advances in Respiratory Disease</i> , <b>2007</b> , 1, 5-23	4.9	127
101	NMR spectroscopy metabolomic profiling of exhaled breath condensate in patients with stable and unstable cystic fibrosis. <i>Thorax</i> , <b>2012</b> , 67, 222-8	7.3	121
100	Increased exhaled 8-isoprostane in childhood asthma. <i>Chest</i> , <b>2003</b> , 124, 25-31	5.3	114
99	Effects of inhaled corticosteroids on exhaled leukotrienes and prostanoids in asthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , <b>2004</b> , 114, 761-7	11.5	105
98	Diagnosing nonimmediate reactions to penicillins by in vivo tests. <i>International Archives of Allergy and Immunology</i> , <b>2002</b> , 129, 169-74	3.7	93
97	Epithelial IL-6 trans-signaling defines a new asthma phenotype with increased airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 577-590	11.5	90
96	8-Isoprostane in exhaled breath condensate and exercise-induced bronchoconstriction in asthmatic children and adolescents. <i>Chest</i> , <b>2009</b> , 135, 66-73	5.3	88
95	LC/MS/MS analysis of leukotriene B4 and other eicosanoids in exhaled breath condensate for assessing lung inflammation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 1272-80	3.2	78
94	Exhaled breath condensate analysis in patients with COPD. <i>Clinica Chimica Acta</i> , <b>2005</b> , 356, 22-34	6.2	77
93	Separating smoking-related diseases using NMR-based metabolomics of exhaled breath condensate. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 1502-11	5.6	73
92	Effects of a leukotriene receptor antagonist on exhaled leukotriene E4 and prostanoids in children with asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2006</b> , 118, 347-53	11.5	72
91	Pharmacological modulation of the leukotriene pathway in allergic airway disease. <i>Drug Discovery Today</i> , <b>2007</b> , 12, 404-12	8.8	70
90	Exhaled 8-isoprostane and prostaglandin E(2) in patients with stable and unstable cystic fibrosis. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 913-9	7.8	69
89	Bronchodilating drugs for chronic obstructive pulmonary disease: current status and future trends. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 4131-64	8.3	65
88	Effects of montelukast treatment and withdrawal on fractional exhaled nitric oxide and lung function in children with asthma. <i>Chest</i> , <b>2007</b> , 132, 1876-81	5.3	64
87	Exhaled nitric oxide as a biomarker in COPD and related comorbidities. <i>BioMed Research International</i> , <b>2014</b> , 2014, 271918	3	62
86	Within-day and between-day repeatability of measurements with an electronic nose in patients with COPD. <i>Journal of Breath Research</i> , <b>2013</b> , 7, 017103	3.1	61

85	Indirect monitoring of lung inflammation. <i>Nature Reviews Drug Discovery</i> , <b>2002</b> , 1, 238-42	64.1	60
84	Leukotrienes, antileukotrienes and asthma. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2008</b> , 8, 647-56	3.2	58
83	Comparison of classification methods in breath analysis by electronic nose. <i>Journal of Breath Research</i> , <b>2015</b> , 9, 046002	3.1	57
82	Liquid chromatography/mass spectrometry analysis of exhaled leukotriene B4 in asthmatic children. <i>Respiratory Research</i> , <b>2005</b> , 6, 119	7.3	55
81	Identification and prospective stability of electronic nose (eNose)-derived inflammatory phenotypes in patients with severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 1811-1820.e7	11.5	55
80	Ion trap liquid chromatography/tandem mass spectrometry analysis of leukotriene B4 in exhaled breath condensate. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 2723-9	2.2	53
79	Electronic Nose and Exhaled Breath NMR-based Metabolomics Applications in Airways Disease. <i>Current Topics in Medicinal Chemistry</i> , <b>2016</b> , 16, 1610-30	3	53
78	Anaphylaxis increases 8-iso-prostaglandin F2alpha release from guinea-pig lung in vitro. <i>European Journal of Pharmacology</i> , <b>1999</b> , 365, 59-64	5.3	52
77	Ozone-induced increase in exhaled 8-isoprostane in healthy subjects is resistant to inhaled budesonide. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1403-8	7.8	51
76	Pharmacological treatment of chronic obstructive pulmonary disease: from evidence-based medicine to phenotyping. <i>Drug Discovery Today</i> , <b>2014</b> , 19, 1928-35	8.8	50
75	Long-acting beta-agonists and their association with inhaled corticosteroids in COPD. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 1477-95	4.3	50
74	New perspectives in pharmacological treatment of mild persistent asthma. <i>Drug Discovery Today</i> , <b>2011</b> , 16, 1084-91	8.8	50
73	IL-17-high asthma with features of a psoriasis immunophenotype. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 1198-1213	11.5	43
72	Inhaled muscarinic acetylcholine receptor antagonists for treatment of COPD. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 1464-76	4.3	39
71	Sputum proteomics and airway cell transcripts of current and ex-smokers with severe asthma in U-BIOPRED: an exploratory analysis. <i>European Respiratory Journal</i> , <b>2018</b> , 51,	13.6	38
70	Nuclear magnetic resonance-based metabolomics discriminates primary ciliary dyskinesia from cystic fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 229-33	10.2	38
69	Dupilumab for the treatment of asthma. <i>Expert Opinion on Investigational Drugs</i> , <b>2017</b> , 26, 357-366	5.9	36
68	Exhaled and non-exhaled non-invasive markers for assessment of respiratory inflammation in patients with stable COPD and healthy smokers. <i>Journal of Breath Research</i> , <b>2016</b> , 10, 017102	3.1	36

67	Liquid chromatography-mass spectrometry measurement of leukotrienes in asthma and other respiratory diseases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 964, 12-25	3.2	32
66	Role of Leukotrienes and Leukotriene Modifiers in Asthma. <i>Pharmaceuticals</i> , <b>2010</b> , 3, 1792-1811	5.2	30
65	Stratification of asthma phenotypes by airway proteomic signatures. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 70-82	11.5	28
64	Pharmacological treatment of chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , <b>2006</b> , 1, 409-23	3	28
63	Measurement of 8-isoprostane in exhaled breath condensate. <i>Methods in Molecular Biology</i> , <b>2010</b> , 594, 73-84	1.4	27
62	Triple inhaled therapy for chronic obstructive pulmonary disease. <i>Drug Discovery Today</i> , <b>2016</b> , 21, 1820-1827	18.7	25
61	Gallbladder emptying, plasma levels of estradiol and progesterone, and cholecystokinin secretion in liver cirrhosis. <i>Digestive Diseases and Sciences</i> , <b>1995</b> , 40, 428-34	4	23
60	Development of a Sensing Array for Human Breath Analysis Based on SWCNT Layers Functionalized with Semiconductor Organic Molecules. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000377	10.1	22
59	Breathomics for Assessing the Effects of Treatment and Withdrawal With Inhaled Beclomethasone/Formoterol in Patients With COPD. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 258	5.6	22
58	Treatable traits in the European U-BIOPRED adult asthma cohorts. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 74, 406-411	9.3	22
57	Urinary Leukotriene E and Prostaglandin D Metabolites Increase in Adult and Childhood Severe Asthma Characterized by Type 2 Inflammation. A Clinical Observational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 37-53	10.2	22
56	Evidence that interleukin-1 beta and tumor necrosis factor inhibit gastric fundus motility via the 5-lipoxygenase pathway. <i>European Journal of Pharmacology</i> , <b>1994</b> , 252, 253-60	5.3	20
55	Investigational prostaglandin D2 receptor antagonists for airway inflammation. <i>Expert Opinion on Investigational Drugs</i> , <b>2016</b> , 25, 639-52	5.9	19
54	Transcriptional regulation of kinases downstream of the T cell receptor: another immunomodulatory mechanism of glucocorticoids. <i>BMC Pharmacology &amp; Toxicology</i> , <b>2014</b> , 15, 35	2.6	18
53	Inflammatory response to sputum induction measured by exhaled markers. <i>Respiration</i> , <b>2005</b> , 72, 594-9	3.7	17
52	The Combined Impact of Exhaled Nitric Oxide and Sputum Eosinophils Monitoring in Asthma Treatment: A Prospective Cohort Study. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 4752-62	3.3	17
51	Exhaled nitric oxide measurement in patients affected by nasal polyposis. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2012</b> , 147, 351-6	5.5	16
50	The potential role of endothelial dysfunction and platelet activation in the development of thrombotic risk in COPD patients. <i>Expert Review of Hematology</i> , <b>2017</b> , 10, 821-832	2.8	15

49	Pharmacotherapy of patients with mild persistent asthma: strategies and unresolved issues. <i>Frontiers in Pharmacology</i> , <b>2011</b> , 2, 35	5.6	14
48	Interleukin-1 alpha and tumour necrosis factor inhibit rat gastric fundus motility in vitro. <i>European Journal of Pharmacology</i> , <b>1993</b> , 233, 303-4	5.3	14
47	Effects of vasoactive intestinal polypeptide on antigen-induced bronchoconstriction and thromboxane release in guinea-pig lung. <i>British Journal of Pharmacology</i> , <b>1993</b> , 109, 243-50	8.6	14
46	Methodological considerations for large-scale breath analysis studies: lessons from the U-BIOPRED severe asthma project. <i>Journal of Breath Research</i> , <b>2018</b> , 13, 016001	3.1	13
45	Role of beta-blockers in patients with COPD: current perspective. <i>Drug Discovery Today</i> , <b>2015</b> , 20, 129-35	5.8	12
44	Large-Scale Label-Free Quantitative Mapping of the Sputum Proteome. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 2072-2091	5.6	12
43	Toward a personalized pharmacotherapy of respiratory diseases. <i>Frontiers in Pharmacology</i> , <b>2010</b> , 1, 131	5.6	12
42	Vilanterol trifenate for the treatment of COPD. <i>Expert Review of Respiratory Medicine</i> , <b>2016</b> , 10, 719-31	3.8	11
41	Oral Corticosteroid sparing with biologics in severe asthma: A remark of the (). <i>World Allergy Organization Journal</i> , <b>2020</b> , 13, 100464	5.2	11
40	Single-inhaler triple therapy utilizing the once-daily combination of fluticasone furoate, umecclidinium and vilanterol in the management of COPD: the current evidence base and future prospects. <i>Therapeutic Advances in Respiratory Disease</i> , <b>2018</b> , 12, 1753466618760779	4.9	10
39	High sputum total adiponectin is associated with low odds for asthma. <i>Journal of Asthma</i> , <b>2014</b> , 51, 459-66	6.6	10
38	Sputum proteomic signature of gastro-oesophageal reflux in patients with severe asthma. <i>Respiratory Medicine</i> , <b>2019</b> , 150, 66-73	4.6	9
37	Metabolomic Analysis by Nuclear Magnetic Resonance Spectroscopy as a New Approach to Understanding Inflammation and Monitoring of Pharmacological Therapy in Children and Young Adults With Cystic Fibrosis. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 595	5.6	9
36	eNose breath prints as a surrogate biomarker for classifying patients with asthma by atopy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 146, 1045-1055	11.5	9
35	Enhanced oxidative stress in smoking and ex-smoking severe asthma in the U-BIOPRED cohort. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203874	3.7	9
34	Isoprostanes and asthma. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2006</b> , 3, 287-292		8
33	NMR-Based Metabolomics for the Assessment of Inhaled Pharmacotherapy in Chronic Obstructive Pulmonary Disease Patients. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 64-74	5.6	8
32	Lipid phenotyping of lung epithelial lining fluid in healthy human volunteers. <i>Metabolomics</i> , <b>2018</b> , 14, 123	4.7	8

31	Exhaled volatile organic compounds as markers for medication use in asthma. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	7
30	Blood levels of vasoactive intestinal polypeptide in normal and growth retarded fetuses: relationship with acid-base and haemodynamic status. <i>Early Human Development</i> , <b>1995</b> , 41, 69-77	2.2	5
29	Asthma similarities across ProAR (Brazil) and U-BIOPRED (Europe) adult cohorts of contrasting locations, ethnicity and socioeconomic status. <i>Respiratory Medicine</i> , <b>2020</b> , 161, 105817	4.6	5
28	Impulse oscillometry and nitrogen washout test in the assessment of small airway dysfunction in asthma: Correlation with quantitative computed tomography. <i>Journal of Asthma</i> , <b>2019</b> , 56, 323-331	1.9	5
27	Economic impact of mepolizumab in uncontrolled severe eosinophilic asthma, in real life. <i>World Allergy Organization Journal</i> , <b>2021</b> , 14, 100509	5.2	5
26	Epithelial dysregulation in obese severe asthmatics with gastro-oesophageal reflux. <i>European Respiratory Journal</i> , <b>2019</b> , 53,	13.6	4
25	Comparison of two exhaled biomarkers in children with and without sleep disordered breathing. <i>Sleep Medicine</i> , <b>2018</b> , 45, 83-88	4.6	4
24	Pharmacotherapy of asthma: regular treatment or on demand?. <i>Therapeutic Advances in Respiratory Disease</i> , <b>2009</b> , 3, 175-91	4.9	4
23	Chronic obstructive pulmonary disease phenotyping: a possible role for 8-isoprostane measurement in exhaled breath condensate?. <i>Respiration</i> , <b>2008</b> , 75, 134-5	3.7	4
22	Measurement of Biomarkers of Oxidative Stress and Airway Inflammation in Exhaled Breath Condensate: Methodology and Potential Applications in Patients with COPD and Healthy Smokers <b>2013</b> , 360-381		3
21	Interleukin-1 receptor antagonist displays intrinsic agonist activity on rat gastric fundus motility in vitro. <i>European Journal of Pharmacology</i> , <b>1995</b> , 275, 31-7	5.3	3
20	Tachykinin NK2 receptor antagonists decrease eicosanoid release in lung anaphylaxis. <i>European Journal of Pharmacology</i> , <b>1996</b> , 313, R1-3	5.3	3
19	Sleep Deprivation, Immune Suppression and SARS-CoV-2 Infection.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	3
18	Exploring the performance of a functionalized CNT-based sensor array for breathomics through clustering and classification algorithms: from gas sensing of selective biomarkers to discrimination of chronic obstructive pulmonary disease.. <i>RSC Advances</i> , <b>2021</b> , 11, 30270-30282	3.7	3
17	Investigational beta-2 adrenergic agonists for the treatment of chronic obstructive pulmonary disease. <i>Expert Opinion on Investigational Drugs</i> , <b>2017</b> , 26, 319-329	5.9	2
16	The discovery and development of acclidinium bromide for the treatment of chronic obstructive pulmonary disease. <i>Expert Opinion on Drug Discovery</i> , <b>2018</b> , 13, 563-577	6.2	2
15	Characteristics of the frequent exacerbator in U-BIOPRED adult severe asthma cohort <b>2015</b> ,		2
14	U-BIOPRED accessible handprint: combining omics platforms to identify stable asthma subphenotypes <b>2018</b> ,		2

13	SIRM-SIAAIC consensus, an Italian document on management of patients at risk of hypersensitivity reactions to contrast media. <i>Clinical and Molecular Allergy</i> , <b>2020</b> , 18, 13	3.7	2
12	Mapping atopic dermatitis and anti-IL-22 response signatures to type 2-low severe neutrophilic asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> ,	11.5	2
11	Detection and characterisation of extracellular vesicles in exhaled breath condensate and sputum of COPD and severe asthma patients. <i>European Respiratory Journal</i> , <b>2021</b> , 58,	13.6	2
10	Clinical and transcriptomic features of persistent exacerbation-prone severe asthma in U-BIOPRED cohort.. <i>Clinical and Translational Medicine</i> , <b>2022</b> , 12, e816	5.7	2
9	Dupilumab and tezepelumab in severe refractory asthma: new opportunities. <i>Therapeutic Advances in Chronic Disease</i> , <b>2022</b> , 13, 204062232210973	4.9	2
8	An investigation on e-nose platform relevance to respiratory diseases <b>2014</b> ,		1
7	In vitro testing for lung toxicity: a method for distinguishing between immune- and non-immune-mediated reactions to xenobiotics. <i>Environmental Toxicology and Pharmacology</i> , <b>1996</b> , 2, 201-5	5.8	1
6	Plasma proteins elevated in severe asthma despite oral steroid use and unrelated to Type-2 inflammation. <i>European Respiratory Journal</i> , <b>2021</b> ,	13.6	1
5	Severe asthma: One disease and multiple definitions. <i>World Allergy Organization Journal</i> , <b>2021</b> , 14, 100606		1
4	A multi-omics approach to delineate sputum microbiome-associated asthma inflammatory phenotypes. <i>European Respiratory Journal</i> , <b>2021</b> ,	13.6	1
3	Predictive Markers of Bronchial Hyperreactivity in a Large Cohort of Young Adults With Cough Variant Asthma. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 630334	5.6	1
2	Medication Adherence in Patients With Severe Asthma Prescribed Oral Corticosteroids in the U-BIOPRED Cohort. <i>Chest</i> , <b>2021</b> , 160, 53-64	5.3	1
1	Exhaled Breath Condensate Biomarkers of Airway Inflammation and Oxidative Stress in COPD <b>2011</b> , 421-440		