

# Jeroen Buters

## List of Publications by Citations

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98  
papers

4,696  
citations

35  
h-index

67  
g-index

113  
ext. papers

5,286  
ext. citations

5  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
98	Paclitaxel-resistant human ovarian cancer cells have mutant beta-tubulins that exhibit impaired paclitaxel-driven polymerization. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 17118-25	5.4	545
97	Role of CYP2E1 in the hepatotoxicity of acetaminophen. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 12063-7	3.7	464
96	Cytochrome P450 CYP1B1 determines susceptibility to 7, 12-dimethylbenz[a]anthracene-induced lymphomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 1977-82	11.5	323
95	Protection against acetaminophen toxicity in CYP1A2 and CYP2E1 double-null mice. <i>Toxicology and Applied Pharmacology</i> , <b>1998</b> , 152, 193-9	4.6	252
94	Human cytochrome P450 2E1 is a major autoantigen associated with halothane hepatitis. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 1159-66	4	171
93	Variation of the group 5 grass pollen allergen content of airborne pollen in relation to geographic location and time in season. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 136, 87-95.e6	11.5	116
92	Differential mechanisms of cytochrome P450 inhibition and activation by alpha-naphthoflavone. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 3149-52	5.4	107
91	High environmental ozone levels lead to enhanced allergenicity of birch pollen. <i>PLoS ONE</i> , <b>2013</b> , 8, e80147	3.7	102
90	Research needs in allergy: an EAACI position paper, in collaboration with EFA. <i>Clinical and Translational Allergy</i> , <b>2012</b> , 2, 21	5.2	99
89	A highly sensitive tool for the assay of cytochrome P450 enzyme activity in rat, dog and man. Direct fluorescence monitoring of the deethylation of 7-ethoxy-4-trifluoromethylcoumarin. <i>Biochemical Pharmacology</i> , <b>1993</b> , 46, 1577-84	6	98
88	The allergen Bet v 1 in fractions of ambient air deviates from birch pollen counts. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 65, 850-8	9.3	96
87	Cytochrome P450 1B1 determines susceptibility to dibenzo[a,l]pyrene-induced tumor formation. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 1127-35	4	89
86	Defining pollen exposure times for clinical trials of allergen immunotherapy for pollen-induced rhinoconjunctivitis - an EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 72, 713-722	9.3	87
85	Particulate matter from both heavy fuel oil and diesel fuel shipping emissions show strong biological effects on human lung cells at realistic and comparable in vitro exposure conditions. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126536	3.7	87
84	CYP1B1 determines susceptibility to low doses of 7,12-dimethylbenz[a]anthracene-induced ovarian cancers in mice: correlation of CYP1B1-mediated DNA adducts with carcinogenicity. <i>Carcinogenesis</i> , <b>2003</b> , 24, 327-34	4.6	85
83	Automatic and Online Pollen Monitoring. <i>International Archives of Allergy and Immunology</i> , <b>2015</b> , 167, 158-66	3.7	83
82	Toxicity and elemental composition of particulate matter from outdoor and indoor air of elementary schools in Munich, Germany. <i>Indoor Air</i> , <b>2012</b> , 22, 148-58	5.4	79

81	CO binding kinetics of human cytochrome P450 3A4. Specific interaction of substrates with kinetically distinguishable conformers. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 5014-8	5.4	71
80	Airborne olive pollen counts are not representative of exposure to the major olive allergen Ole e 1. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 68, 809-12	9.3	69
79	Year-to-year variation in release of Bet v 1 allergen from birch pollen: evidence for geographical differences between West and South Germany. <i>International Archives of Allergy and Immunology</i> , <b>2008</b> , 145, 122-30	3.7	63
78	Human mast cells express androgen receptors but treatment with testosterone exerts no influence on IgE-independent mast cell degranulation elicited by neuromuscular blocking agents. <i>Experimental Dermatology</i> , <b>2010</b> , 19, 302-4	4	62
77	Is diet partly responsible for differences in COVID-19 death rates between and within countries?. <i>Clinical and Translational Allergy</i> , <b>2020</b> , 10, 16	5.2	54
76	Importance of NO/cGMP signalling via cGMP-dependent protein kinase II for controlling emotionality and neurobehavioural effects of alcohol. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 3498-506	3.5	54
75	The role of mobile health technologies in allergy care: An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 259-272	9.3	51
74	Impact of Pollen <b>2013</b> , 161-215		50
73	Monitoring of occupational and environmental aeroallergens-- EAACI Position Paper. Concerted action of the EAACI IG Occupational Allergy and Aerobiology & Air Pollution. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 69, 1280-99	9.3	49
72	The macroecology of airborne pollen in Australian and New Zealand urban areas. <i>PLoS ONE</i> , <b>2014</b> , 9, e97925	3.7	48
71	Cabbage and fermented vegetables: From death rate heterogeneity in countries to candidates for mitigation strategies of severe COVID-19. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 76, 735-750	9.3	46
70	Impact of urbanization on the proteome of birch pollen and its chemotactic activity on human granulocytes. <i>International Archives of Allergy and Immunology</i> , <b>2010</b> , 151, 46-55	3.7	43
69	Identification of 2,3-epoxymethacrylic acid as an intermediate in the metabolism of dental materials in human liver microsomes. <i>Dental Materials</i> , <b>2007</b> , 23, 9-16	5.7	40
68	Inhibitory monoclonal antibody to human cytochrome P450 2B6. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 1633-40	6	40
67	Inhibitory and non-inhibitory monoclonal antibodies to human cytochrome P450 3A3/4. <i>Biochemical Pharmacology</i> , <b>1995</b> , 50, 1841-50	6	40
66	Toxicity testing of combustion aerosols at the air-liquid interface with a self-contained and easy-to-use exposure system. <i>Journal of Aerosol Science</i> , <b>2016</b> , 96, 38-55	4.3	40
65	Near-ground effect of height on pollen exposure. <i>Environmental Research</i> , <b>2019</b> , 174, 160-169	7.9	38
64	Airborne indoor particles from schools are more toxic than outdoor particles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2012</b> , 47, 575-82	5.7	37

63	Monitoring, Modelling and Forecasting of the Pollen Season <b>2013</b> , 71-126		31
62	Artemisia pollen is the main vector for airborne endotoxin. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 369-377.e5	11.5	29
61	Cytochrome P450-null mice. <i>Drug Metabolism Reviews</i> , <b>1999</b> , 31, 437-47	7	29
60	Metabolic activation of phenanthrene by human and mouse cytochromes P450 and pharmacokinetics in CYP1A2 knockout mice. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 183, 57-66	5	28
59	Abnormal lipid composition of microsomes from cirrhotic rat liver--does it contribute to decreased microsomal function?. <i>Experientia</i> , <b>1992</b> , 48, 482-6		28
58	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. <i>Science of the Total Environment</i> , <b>2019</b> , 688, 1263-1274	10.2	27
57	(ragweed) in Germany - current presence, allergological relevance and containment procedures. <i>Allergo Journal International</i> , <b>2015</b> , 24, 108-120	1.5	27
56	Differential impact of diesel particle composition on pro-allergic dendritic cell function. <i>Toxicological Sciences</i> , <b>2010</b> , 113, 85-94	4.4	27
55	Contact anaphylaxis and protein contact dermatitis in a cook handling chicory leaves. <i>Contact Dermatitis</i> , <b>2009</b> , 60, 226-7	2.7	27
54	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the GermanAustrian border. <i>Aerobiologia</i> , <b>2012</b> , 28, 541-556	2.4	26
53	Environmental polycyclic aromatic hydrocarbons (PAHs) enhance allergic inflammation by acting on human basophils. <i>Inhalation Toxicology</i> , <b>2007</b> , 19 Suppl 1, 151-6	2.7	26
52	Nrf2-interacting nutrients and COVID-19: time for research to develop adaptation strategies. <i>Clinical and Translational Allergy</i> , <b>2020</b> , 10, 58	5.2	25
51	Pollen-derived nonallergenic substances enhance Th2-induced IgE production in B cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 70, 1450-60	9.3	25
50	Errors in determining the flow rate of Hirst-type pollen traps. <i>Aerobiologia</i> , <b>2017</b> , 33, 201-210	2.4	24
49	Chromium(VI) Contact Dermatitis: Getting Closer to Understanding the Underlying Mechanisms of Toxicity andSensitization!. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 274-277	4.3	23
48	Metabolic Profiling as Well as Stable Isotope Assisted Metabolic and Proteomic Analysis of RAW 264.7 Macrophages Exposed to Ship Engine Aerosol Emissions: Different Effects of Heavy Fuel Oil and Refined Diesel Fuel. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157964	3.7	23
47	rAAV2-mediated restoration of LEKTI in LEKTI-deficient cells from Netherton patients. <i>Journal of Dermatological Science</i> , <b>2011</b> , 61, 194-8	4.3	21
46	Considerations on genetic and environmental factors that contribute to resistance or sensitivity of mammals including humans to toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and related compounds. Part 1: Genetic factors affecting the toxicity of TCDD. <i>Ecotoxicology and Environmental Safety</i> , <b>1997</b> , 36, 213-30	7	21

45	Toxicity of parked motor vehicle indoor air. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 2622-9	10.3	21
44	Organic extracts of urban aerosol (Toxicological Sciences, <b>2006</b> , 90, 377-84	4.4	21
43	Molecular studies on the toxifying effects by genetically engineered cytochromes P450. <i>Drug Metabolism Reviews</i> , <b>1999</b> , 31, 423-35	7	21
42	Use of biologicals in allergic and type-2 inflammatory diseases during the current COVID-19 pandemic: Position paper of <b>Österreichischer Allergologenverband (ÖAV)</b> , <b>Deutscher Allergologenverband (AeDA)</b> , <b>Deutsche Gesellschaft für Allergologie und Klinische Immunologie (DGAKI)</b> , <b>Gesellschaft für Pädiatrische Allergologie und Umweltmedizin (GPA)</b> , <b>Österreichische Gesellschaft für Allergologie und Immunologie (ÖAI)</b>	4.1	20
41	Environmental pollution and allergy: historical aspects. <i>Chemical Immunology and Allergy</i> , <b>2014</b> , 100, 268-77 <b>Österreichische Gesellschaft für Pneumologie (ÖGP)</b> in co-operation. <i>Allergologie Select</i> , <b>2020</b> , 4, 53-68		18
40	Pollen season is reflected on symptom load for grass and birch pollen-induced allergic rhinitis in different geographic areas-An EAACI Task Force Report. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 1099-1106	9.3	18
39	Optimizing of the basophil activation test: Comparison of different basophil identification markers. <i>Cytometry Part B - Clinical Cytometry</i> , <b>2015</b> , 88, 183-9	3.4	17
38	Predicting the start, peak and end of the Betula pollen season in Bavaria, Germany. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 1299-1309	10.2	17
37	Differences in caffeine and paraxanthine metabolism between human and murine CYP1A2. <i>Biochemical Pharmacology</i> , <b>2002</b> , 63, 2159-67	6	17
36	Metabolism of antipyrine in vivo in two rat models of liver cirrhosis. Its relationship to intrinsic clearance in vitro and microsomal membrane lipid composition. <i>Biochemical Pharmacology</i> , <b>1993</b> , 46, 983-91	6	16
35	An operational robotic pollen monitoring network based on automatic image recognition. <i>Environmental Research</i> , <b>2020</b> , 191, 110031	7.9	16
34	Consequences of climate change on airborne pollen in Bavaria, Central Europe. <i>Regional Environmental Change</i> , <b>2021</b> , 21, 1	4.3	16
33	Influence of wood species on toxicity of log-wood stove combustion aerosols: a parallel animal and air-liquid interface cell exposure study on spruce and pine smoke. <i>Particle and Fibre Toxicology</i> , <b>2020</b> , 17, 27	8.4	15
32	Expression of CYP450-2E1 and formation of 2,3-epoxymethacrylic acid (2,3-EMA) in human oral cells exposed to dental materials. <i>Dental Materials</i> , <b>2010</b> , 26, 1151-6	5.7	15
31	Sex difference in antipyrine 3-hydroxylation. An in vivo-in vitro correlation of antipyrine metabolism in two rat strains. <i>Biochemical Pharmacology</i> , <b>1990</b> , 40, 771-7	6	14
30	Allergen immunotherapy in the current COVID-19 pandemic: A position paper of AeDA, ARIA, EAACI, DGAKI and GPA: Position paper of the German ARIA Group in cooperation with the Austrian ARIA Group, the Swiss ARIA Group, German Society for Applied Allergology (AEDA), German Society for Allergology and Clinical Immunology (DGAKI), Society for Pediatric Allergology (GPA) in	4.1	14
29	Land-Use and Height of Pollen Sampling Affect Pollen Exposure in Munich, Germany. <i>Atmosphere</i> , <b>2020</b> , 11, 145 and the European Academy of Allergy and Cli. <i>Allergologie Select</i> , <b>2020</b> , 4, 44-52	2.7	13
28	Cytochrome P450 2A1, 2E1, and 2C9 cDNA-expression by insect cells and partial purification using hydrophobic chromatography. <i>Biochemical Pharmacology</i> , <b>1995</b> , 50, 1509-15	6	13

27	GSTM1, GSTT1 and GSTP1 gene polymorphism in polymorphous light eruption. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2013</b> , 27, 157-62	4.6	11
26	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , <b>2019</b> , 199, 435-442	5.3	11
25	An abbreviated method for the quality control of pollen counters. <i>Grana</i> , <b>2019</b> , 58, 185-190	0.8	10
24	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , <b>2020</b> , 231, 117453	5.3	10
23	Equine cytochrome P450 2B6--genomic identification, expression and functional characterization with ketamine. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 266, 101-8	4.6	9
22	Understanding hourly patterns of <i>Olea</i> pollen concentrations as tool for the environmental impact assessment. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139363	10.2	7
21	The development of birch pollen seasons over 30 years in Munich, Germany-An EAACI Task Force report. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 3024-3026	9.3	6
20	Interaction of polycyclic aromatic hydrocarbons with human cytochrome P450 1A1: a CO flash photolysis study. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 336, 261-7	4.1	6
19	A minimal-invasive method for systemic bio-monitoring of the environmental pollutant phenanthrene in humans: Thermal extraction and gas chromatography - mass spectrometry from 1 mL capillary blood. <i>Journal of Chromatography A</i> , <b>2017</b> , 1487, 254-257	4.5	5
18	Danger from the workplace: allergic contact dermatitis from the first exposure to isothiazolinones. <i>Contact Dermatitis</i> , <b>2011</b> , 64, 361-2	2.7	5
17	Effects of future climate change on birch abundance and their pollen load. <i>Global Change Biology</i> , <b>2021</b> , 27, 5934-5949	11.4	4
16	Influence of alpine mountain climate of Bavaria on patients with atopic diseases: studies at the Environmental Research Station Schneefernerhaus (UFS - Zugspitze) - a pilot study. <i>Clinical and Translational Allergy</i> , <b>2014</b> , 4, 17	5.2	3
15	Anwendung von Biologika bei allergischen und Typ-2-entzündlichen Erkrankungen in der aktuellen COVID-19-Pandemie Ein Positionspapier von AeDA, DGAKI, GPA, ÖAI, LGAI, ÖP, ARIA und EAACI. <i>Allergologie</i> , <b>2020</b> , 43, 255-271	1	3
14	Dieselruß und Allergien. <i>Allergo Journal</i> , <b>2004</b> , 13, 311-322	0	2
13	Dosing intact birch pollen grains at the air-liquid interface (ALI) to the immortalized human bronchial epithelial cell line BEAS-2B. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259914	3.7	2
12	Threshold values of grass pollen (Poaceae) concentrations and increase in emergency department visits, hospital admissions, drug consumption and allergic symptoms in patients with allergic rhinitis: a systematic review. <i>Aerobiologia</i> , 1	2.4	2
11	Allergien und Umwelteinflüsse. <i>Allergo Journal</i> , <b>2019</b> , 28, 54-60	0	1
10	Particulate and Pollen Interactions <b>2014</b> , 497-507		1

9	A systematic review of threshold values of pollen concentrations for symptoms of allergy. <i>Aerobiologia</i> , <b>2021</b> , 37, 395-424	2.4	1
8	The priming effect of diesel exhaust on native pollen exposure at the air-liquid interface.. <i>Environmental Research</i> , <b>2022</b> , 211, 112968	7.9	1
7	Impact of Volatile and Semi-volatile Organic Compounds from Farming Environments on Allergy-Related Cellular Processes. <i>Exposure and Health</i> ,1	8.8	0
6	Effect of air filtration on house dust mite, cat and dog allergens and particulate matter in homes.. <i>Clinical and Translational Allergy</i> , <b>2022</b> , 12, e12137	5.2	0
5	Perspektiven ff̈ein bundesweites Pollenmonitoring in Deutschland. <i>Allergo Journal</i> , <b>2019</b> , 28, 47-57		0
4	The future of pollen counting. <i>Allergo Journal</i> , <b>2013</b> , 22, 493-494		0
3	Ambrosia artemisiifolia (Traubenkraut) in Deutschland [aktuelles Vorkommen, allergologische Bedeutung und Mäaahmen zur Eingrenzung. <i>Allergo Journal</i> , <b>2015</b> , 24, 18-30		0
2	Haut und Umwelt. <i>Fortschritte Der Praktischen Dermatologie Und Venerologie</i> , <b>2013</b> , 286-296		
1	Impact of Local Grasslands on Wild Grass Pollen Emission in Bavaria, Germany. <i>Land</i> , <b>2022</b> , 11, 306	3.5	