

Jeroen Buters

List of Publications by Year in Descending Order

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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.

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	Impact of Local Grasslands on Wild Grass Pollen Emission in Bavaria, Germany. <i>Land</i> , 2022 , 11, 306	3.5	
97	The priming effect of diesel exhaust on native pollen exposure at the air-liquid interface.. <i>Environmental Research</i> , 2022 , 211, 112968	7.9	1
96	Effect of air filtration on house dust mite, cat and dog allergens and particulate matter in homes.. <i>Clinical and Translational Allergy</i> , 2022 , 12, e12137	5.2	0
95	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> , 2021 , 16, e0259914	3.7	2
94	A systematic review of threshold values of pollen concentrations for symptoms of allergy. <i>Aerobiologia</i> , 2021 , 37, 395-424	2.4	1
93	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> , 2021 , 76, 735-750	9.3	46
92	Consequences of climate change on airborne pollen in Bavaria, Central Europe. <i>Regional Environmental Change</i> , 2021 , 21, 1	4.3	16
91	Effects of future climate change on birch abundance and their pollen load. <i>Global Change Biology</i> , 2021 , 27, 5934-5949	11.4	4
90	Nrf2-interacting nutrients and COVID-19: time for research to develop adaptation strategies. <i>Clinical and Translational Allergy</i> , 2020 , 10, 58	5.2	25
89	Understanding hourly patterns of Olea pollen concentrations as tool for the environmental impact assessment. <i>Science of the Total Environment</i> , 2020 , 736, 139363	10.2	7
88	Is diet partly responsible for differences in COVID-19 death rates between and within countries?. <i>Clinical and Translational Allergy</i> , 2020 , 10, 16	5.2	54
87	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> , 2020 , 17, 27	8.4	15
86	Land-Use and Height of Pollen Sampling Affect Pollen Exposure in Munich, Germany. <i>Atmosphere</i> , 2020 , 11, 145	2.7	13
85	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> , 2020 , 75, 3024-3026	9.3	6
84	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 Allergy and Clinical Immunology (DGAKI), Society for Pediatric Allergy and Immunology (GPA), and the German Society for Allergy and Clinical Immunology (EAACI). <i>Allergologie</i> , 2020 , 43, 255-271	4.1	14
83	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> , 2020 , 43, 255-271	1	3
82	Use of biologicals in allergic and type-2 inflammatory diseases during the current COVID-19 pandemic: Position paper of Ezteverband Deutscher Allergologen (AeDA), Deutsche Gesellschaft für Allergologie und Klinische Immunologie (DGAKI), Gesellschaft für Pädiatrische Allergologie und Umweltmedizin (GPA), Österreichische Gesellschaft für Allergologie und Immunologie (ÖAI), Luxemburgische Gesellschaft für Allergologie und Immunologie (LGAi), Österreichische Gesellschaft für Pneumologie (ÖP) in co-operation. <i>Allergologie Select</i> , 2020 , 4, 53-68	4.1	20

81	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> , 2020 , 75, 1099-1106	9.3	18
80	An operational robotic pollen monitoring network based on automatic image recognition. <i>Environmental Research</i> , 2020 , 191, 110031	7.9	16
79	The role of mobile health technologies in allergy care: An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 259-272	9.3	51
78	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , 2020 , 231, 117453	5.3	10
77	Near-ground effect of height on pollen exposure. <i>Environmental Research</i> , 2019 , 174, 160-169	7.9	38
76	An abbreviated method for the quality control of pollen counters. <i>Grana</i> , 2019 , 58, 185-190	0.8	10
75	<i>Artemisia</i> pollen is the main vector for airborne endotoxin. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 369-377.e5	11.5	29
74	Allergien und Umwelteinflüsse. <i>Allergo Journal</i> , 2019 , 28, 54-60	0	1
73	Predicting the start, peak and end of the <i>Betula</i> pollen season in Bavaria, Germany. <i>Science of the Total Environment</i> , 2019 , 690, 1299-1309	10.2	17
72	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. <i>Science of the Total Environment</i> , 2019 , 688, 1263-1274	10.2	27
71	Perspektiven für ein bundesweites Pollenmonitoring in Deutschland. <i>Allergo Journal</i> , 2019 , 28, 47-57	0	
70	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , 2019 , 199, 435-442	5.3	11
69	Chromium(VI) Contact Dermatitis: Getting Closer to Understanding the Underlying Mechanisms of Toxicity and Sensitization!. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 274-277	4.3	23
68	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> , 2017 , 72, 713-722	9.3	87
67	Errors in determining the flow rate of Hirst-type pollen traps. <i>Aerobiologia</i> , 2017 , 33, 201-210	2.4	24
66	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> , 2017 , 1487, 254-257	4.5	5
65	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> , 2016 , 11, e0157964	3.7	23
64	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> , 2016 , 96, 38-55	4.3	40

63	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> , 2015 , 136, 87-95.e6	11.5	116
62	Automatic and Online Pollen Monitoring. <i>International Archives of Allergy and Immunology</i> , 2015 , 167, 158-66	3.7	83
61	Optimizing of the basophil activation test: Comparison of different basophil identification markers. <i>Cytometry Part B - Clinical Cytometry</i> , 2015 , 88, 183-9	3.4	17
60	Pollen-derived nonallergenic substances enhance Th2-induced IgE production in B cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1450-60	9.3	25
59	Ambrosia artemisiifolia (Traubenkraut) in Deutschland [aktuelles Vorkommen, allergologische Bedeutung und Maßnahmen zur Eingrenzung. <i>Allergo Journal</i> , 2015 , 24, 18-30	0	
58	(ragweed) in Germany - current presence, allergological relevance and containment procedures. <i>Allergo Journal International</i> , 2015 , 24, 108-120	1.5	27
57	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> , 2015 , 10, e0126536	3.7	87
56	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> , 2014 , 69, 1280-99	9.3	49
55	Environmental pollution and allergy: historical aspects. <i>Chemical Immunology and Allergy</i> , 2014 , 100, 268-77		18
54	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> , 2014 , 4, 17	5.2	3
53	The macroecology of airborne pollen in Australian and New Zealand urban areas. <i>PLoS ONE</i> , 2014 , 9, e97925	3.7	48
52	Particulate and Pollen Interactions 2014 , 497-507		1
51	GSTM1, GSTT1 and GSTP1 gene polymorphism in polymorphous light eruption. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2013 , 27, 157-62	4.6	11
50	The future of pollen counting. <i>Allergo Journal</i> , 2013 , 22, 493-494	0	
49	Equine cytochrome P450 2B6--genomic identification, expression and functional characterization with ketamine. <i>Toxicology and Applied Pharmacology</i> , 2013 , 266, 101-8	4.6	9
48	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> , 2013 , 68, 809-12	9.3	69
47	High environmental ozone levels lead to enhanced allergenicity of birch pollen. <i>PLoS ONE</i> , 2013 , 8, e80147	3.7	102
46	Monitoring, Modelling and Forecasting of the Pollen Season 2013 , 71-126		31

45	Impact of Pollen 2013 , 161-215		50
44	Haut und Umwelt. <i>Fortschritte Der Praktischen Dermatologie Und Venerologie</i> , 2013 , 286-296		
43	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the German/Austrian border. <i>Aerobiologia</i> , 2012 , 28, 541-556	2.4	26
42	Research needs in allergy: an EAACI position paper, in collaboration with EFA. <i>Clinical and Translational Allergy</i> , 2012 , 2, 21	5.2	99
41	Toxicity and elemental composition of particulate matter from outdoor and indoor air of elementary schools in Munich, Germany. <i>Indoor Air</i> , 2012 , 22, 148-58	5.4	79
40	Airborne indoor particles from schools are more toxic than outdoor particles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 47, 575-82	5.7	37
39	rAAV2-mediated restoration of LEKTI in LEKTI-deficient cells from Netherton patients. <i>Journal of Dermatological Science</i> , 2011 , 61, 194-8	4.3	21
38	Danger from the workplace: allergic contact dermatitis from the first exposure to isothiazolinones. <i>Contact Dermatitis</i> , 2011 , 64, 361-2	2.7	5
37	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> , 2010 , 19, 302-4	4	62
36	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> , 2010 , 65, 850-8	9.3	96
35	Impact of urbanization on the proteome of birch pollen and its chemotactic activity on human granulocytes. <i>International Archives of Allergy and Immunology</i> , 2010 , 151, 46-55	3.7	43
34	Differential impact of diesel particle composition on pro-allergic dendritic cell function. <i>Toxicological Sciences</i> , 2010 , 113, 85-94	4.4	27
33	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> , 2010 , 26, 1151-6	5.7	15
32	Metabolic activation of phenanthrene by human and mouse cytochromes P450 and pharmacokinetics in CYP1A2 knockout mice. <i>Chemico-Biological Interactions</i> , 2010 , 183, 57-66	5	28
31	Contact anaphylaxis and protein contact dermatitis in a cook handling chicory leaves. <i>Contact Dermatitis</i> , 2009 , 60, 226-7	2.7	27
30	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> , 2008 , 145, 122-30	3.7	63
29	Toxicity of parked motor vehicle indoor air. <i>Environmental Science & Technology</i> , 2007 , 41, 2622-9	10.3	21
28	Identification of 2,3-epoxymethacrylic acid as an intermediate in the metabolism of dental materials in human liver microsomes. <i>Dental Materials</i> , 2007 , 23, 9-16	5.7	40

27	Environmental polycyclic aromatic hydrocarbons (PAHs) enhance allergic inflammation by acting on human basophils. <i>Inhalation Toxicology</i> , 2007 , 19 Suppl 1, 151-6	2.7	26
26	Organic extracts of urban aerosol (<i>Toxicological Sciences</i> , 2006 , 90, 377-84	4.4	21
25	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> , 2004 , 20, 3498-506	3.5	54
24	Dieselruĳnd Allergien. <i>Allergo Journal</i> , 2004 , 13, 311-322	0	2
23	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> , 2003 , 24, 327-34	4.6	85
22	Differences in caffeine and paraxanthine metabolism between human and murine CYP1A2. <i>Biochemical Pharmacology</i> , 2002 , 63, 2159-67	6	17
21	Cytochrome P450 1B1 determines susceptibility to dibenzo[a,l]pyrene-induced tumor formation. <i>Chemical Research in Toxicology</i> , 2002 , 15, 1127-35	4	89
20	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> , 1999 , 96, 1977-82	11.5	323
19	Molecular studies on the toxifying effects by genetically engineered cytochromes P450. <i>Drug Metabolism Reviews</i> , 1999 , 31, 423-35	7	21
18	Cytochrome P450-null mice. <i>Drug Metabolism Reviews</i> , 1999 , 31, 437-47	7	29
17	Protection against acetaminophen toxicity in CYP1A2 and CYP2E1 double-null mice. <i>Toxicology and Applied Pharmacology</i> , 1998 , 152, 193-9	4.6	252
16	Inhibitory monoclonal antibody to human cytochrome P450 2B6. <i>Biochemical Pharmacology</i> , 1998 , 55, 1633-40	6	40
15	Differential mechanisms of cytochrome P450 inhibition and activation by alpha-naphthoflavone. <i>Journal of Biological Chemistry</i> , 1997 , 272, 3149-52	5.4	107
14	Paclitaxel-resistant human ovarian cancer cells have mutant beta-tubulins that exhibit impaired paclitaxel-driven polymerization. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17118-25	5.4	545
13	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> , 1997 , 36, 213-30	7	21
12	Human cytochrome P450 2E1 is a major autoantigen associated with halothane hepatitis. <i>Chemical Research in Toxicology</i> , 1996 , 9, 1159-66	4	171
11	Role of CYP2E1 in the hepatotoxicity of acetaminophen. <i>Journal of Biological Chemistry</i> , 1996 , 271, 12063-7	3.7	464
10	Interaction of polycyclic aromatic hydrocarbons with human cytochrome P450 1A1: a CO flash photolysis study. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 336, 261-7	4.1	6

9	CO binding kinetics of human cytochrome P450 3A4. Specific interaction of substrates with kinetically distinguishable conformers. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5014-8	5.4	71
8	Cytochrome P450 2A1, 2E1, and 2C9 cDNA-expression by insect cells and partial purification using hydrophobic chromatography. <i>Biochemical Pharmacology</i> , 1995 , 50, 1509-15	6	13
7	Inhibitory and non-inhibitory monoclonal antibodies to human cytochrome P450 3A3/4. <i>Biochemical Pharmacology</i> , 1995 , 50, 1841-50	6	40
6	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> , 1993 , 46, 1577-84	6	98
5	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> , 1993 , 46, 983-91	6	16
4	Abnormal lipid composition of microsomes from cirrhotic rat liver--does it contribute to decreased microsomal function?. <i>Experientia</i> , 1992 , 48, 482-6		28
3	Sex difference in antipyrine 3-hydroxylation. An in vivo-in vitro correlation of antipyrine metabolism in two rat strains. <i>Biochemical Pharmacology</i> , 1990 , 40, 771-7	6	14
2	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
1	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