

# Christel M Mertens

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,353  
citations

331670

21  
h-index

377865

34  
g-index

64  
all docs

64  
docs citations

64  
times ranked

929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow-assisted allergy diagnosis: current applications and future perspectives. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006, 61, 1028-1039.	5.7	160
2	Flow-assisted diagnostic management of anaphylaxis from rocuronium bromide. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006, 61, 935-939.	5.7	121
3	Analyzing histamine release by flow cytometry (HistaFlow): A novel instrument to study the degranulation patterns of basophils. <i>Journal of Immunological Methods</i> , 2012, 375, 30-38.	1.4	89
4	In Vitro Diagnosis of Immediate Drug Hypersensitivity During Anesthesia: A Review of the Literature. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1176-1184.	3.8	55
5	In Vitro Diagnosis of Immediate Drug Hypersensitivity Anno 2017: Potentials and Limitations. <i>Drugs in R and D</i> , 2017, 17, 265-278.	2.2	49
6	Rocuronium Hypersensitivity: Does Off-Target Occupation of the MRGPRX2 Receptor Play a Role?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 998-1003.	3.8	39
7	<i>Cannabis sativa</i> allergy: looking through the fog. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 201-206.	5.7	38
8	Cross-Reactive Aeroallergens: Which Need to Cross Our Mind in Food Allergy Diagnosis?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1813-1823.	3.8	38
9	Principles, potential, and limitations of ex vivo basophil activation by flow cytometry in allergology: A narrative review. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1143-1153.	2.9	38
10	Influence of IL6, IL33, and TNF $\alpha$ on human mast cell activation: Lessons from single cell analysis by flow cytometry. <i>Cytometry Part B - Clinical Cytometry</i> , 2018, 94, 405-411.	1.5	37
11	Immediate moxifloxacin hypersensitivity: Is there more than currently meets the eye?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 2039-2043.	5.7	35
12	Immunoglobulin E cross-linking or MRGPRX2 activation: clinical insights from rocuronium hypersensitivity. <i>British Journal of Anaesthesia</i> , 2021, 126, e27-e29.	3.4	33
13	Acute Management, Diagnosis, and Follow-Up of Suspected Perioperative Hypersensitivity Reactions in Flanders 2001-2018. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2194-2204.e7.	3.8	32
14	Novel Insights on MRGPRX2-Mediated Hypersensitivity to Neuromuscular Blocking Agents And Fluoroquinolones. <i>Frontiers in Immunology</i> , 2021, 12, 668962.	4.8	30
15	Exploring the Diagnosis and Profile of Cannabis Allergy. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 983-989.e5.	3.8	28
16	The Limited Value of Prolonged Drug Challenges in Nonimmediate Amoxicillin (Clavulanic Acid) Hypersensitivity. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2225-2229.e1.	3.8	26
17	Anaphylaxis to sugammadex-rocuronium inclusion complex: An IgE-mediated reaction due to allergenic changes at the sugammadex primary rim. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1410-1415.e3.	3.8	26
18	The Mas-Related G Protein-Coupled Receptor MRGPRX2 Is Expressed on Human Basophils and up-Regulated upon Activation. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB168.	2.9	25

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19	Cannabis allergy: what the clinician needs to know in 2019. <i>Expert Review of Clinical Immunology</i> , 2019, 15, 599-606.	3.0	24
20	Flow Cytometric Allergy Diagnosis: Basophil Activation Techniques. <i>Methods in Molecular Biology</i> , 2014, 1192, 147-159.	0.9	23
21	Mast cell activation test in chlorhexidine allergy: a proof of concept. <i>British Journal of Anaesthesia</i> , 2020, 125, 970-975.	3.4	22
22	Surface expression of MRGPRX2 on resting basophils: An area of controversy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2421-2422.	5.7	21
23	Serum specific IgE antibodies in immediate drug hypersensitivity. <i>Clinica Chimica Acta</i> , 2020, 504, 119-124.	1.1	21
24	Cannabis allergy: A diagnostic challenge. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1911-1914.	5.7	20
25	Diagnosing cefazolin hypersensitivity: Lessons from dual-labeling flow cytometry. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2016, 4, 1243-1245.	3.8	19
26	Mast cell activation tests by flow cytometry: A new diagnostic asset?. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1482-1500.	2.9	19
27	Standard methods for <i>Apis mellifera</i> venom research. <i>Journal of Apicultural Research</i> , 2021, 60, 1-31.	1.5	17
28	Basophil Activation Experiments in Immediate Drug Hypersensitivity: More Than a Diagnostic Aid. <i>Methods in Molecular Biology</i> , 2020, 2163, 197-211.	0.9	17
29	Occupational cannabis exposure and allergy risks. <i>Occupational and Environmental Medicine</i> , 2019, 76, 78-82.	2.8	14
30	Basophil and mast cell activation tests by flow cytometry in immediate drug hypersensitivity: Diagnosis and beyond. <i>Journal of Immunological Methods</i> , 2021, 495, 113050.	1.4	14
31	Perioperative anaphylaxis from locally applied rifamycin SV and latex. <i>British Journal of Anaesthesia</i> , 2006, 96, 738-741.	3.4	13
32	IgE-binding and mast cell-activating capacity of the homologue of the major birch pollen allergen and profilin from <i>Cannabis sativa</i> . <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 2509-2512.e3.	3.8	13
33	Mast Cell Activation During Suspected Perioperative Hypersensitivity: A Need for Paired Samples Analysis. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3051-3059.e1.	3.8	13
34	Measurement and Functional Analysis of the Mas-Related G Protein-Coupled Receptor MRGPRX2 on Human Mast Cells and Basophils. <i>Methods in Molecular Biology</i> , 2020, 2163, 219-226.	0.9	13
35	Tryptase release does not discriminate between IgE- and MRGPRX2-mediated activation in human mast cells. <i>Clinical and Experimental Allergy</i> , 2022, 52, 797-800.	2.9	13
36	Performance of basophil activation test and specific IgG4 as diagnostic tools in nonspecific lipid transfer protein allergy: Antwerp-Barcelona comparison. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 616-624.	5.7	11

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37	A new cannabis allergen in Northwestern Europe: The oxygen-evolving enhancer protein 2 (OEEP2). <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 2421-2424.e2.	3.8	11
38	Prevalence of self-reported and confirmed penicillin allergy in a Belgian outpatient population. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2111-2115.	5.7	11
39	Clindamycin anaphylaxis confirmed by in vivo and in vitro testing. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 331-333.	3.8	10
40	Specific IgE to cefazolin: Does it benefit diagnosis?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2932-2934.	3.8	10
41	Flow cytometric basophil activation tests: Staining of exteriorized basophil granule matrix by fluorescent avidin versus appearance of CD63. <i>Cytometry Part B - Clinical Cytometry</i> , 2020, 98, 483-490.	1.5	10
42	Flow-based allergen testing: Can mast cells beat basophils?. <i>Clinica Chimica Acta</i> , 2022, 532, 64-71.	1.1	10
43	Peripheral blood cultured mast cells: Phenotypic and functional outcomes of different culture protocols. <i>Journal of Immunological Methods</i> , 2021, 492, 113003.	1.4	9
44	The passively sensitized mast cell activation test is a reliable diagnostic for chlorhexidine allergy. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3826-3828.e2.	3.8	9
45	Mast cell activation test: A new asset in the investigation of the chlorhexidine cross-sensitization profile. <i>Clinical and Experimental Allergy</i> , 2022, 52, 1311-1320.	2.9	9
46	Association between mutated Mas-related G protein-coupled receptor-X2 and rocuronium-induced intraoperative anaphylaxis. Comment on <i>Br J Anaesth</i> 2020; 125: e446-e448. <i>British Journal of Anaesthesia</i> , 2020, 125, e448-e450.	3.4	8
47	Reliability of Early and Late Testing for Suspected Perioperative Hypersensitivity. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1057-1062.e2.	3.8	7
48	CD154 (CD40L): A novel aid to document nonimmediate hypersensitivity to amoxicillin or amoxicillin clavulanic acid. <i>Clinical and Experimental Allergy</i> , 2020, 50, 640-642.	2.9	6
49	Culturing cells with mast cell phenotype and function: Comparison of peripheral blood and bone marrow as a source.. <i>Journal of Immunological Methods</i> , 2021, 495, 113061.	1.4	6
50	Application of specific-to-total IgE ratio does not benefit diagnostic performance of serologic testing for rocuronium allergy. <i>British Journal of Anaesthesia</i> , 2020, 125, e443-e446.	3.4	5
51	Flow Cytometric Allergy Diagnosis: Basophil Activation Techniques. <i>Methods in Molecular Biology</i> , 2020, 2163, 183-195.	0.9	5
52	Overexpression of FcÎµRI on Bone Marrow Mast Cells, but Not MRGPRX2, in Clonal Mast Cell Disorders With Wasp Venom Anaphylaxis. <i>Frontiers in Immunology</i> , 2022, 13, 835618.	4.8	5
53	Nonirritating skin test concentrations for ceftazidime and aztreonam in patients with a documented beta-lactam allergy. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 585-588.e1.	3.8	4
54	In search of the golden ratio for cannabis allergy: Utility of specific allergen-to-total IgE ratios. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3522-3525.	5.7	4

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55	Cross-reactivity in IgE-mediated allergy to cefuroxime: Focus on the R1 side chain. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1094-1096.e1.	3.8	3
56	The diagnosis of non-life-threatening immediate penicillin allergy should not rest upon low sIgE results between 0.10 kUA/L and 0.35 kUA/L in isolation. <i>Clinica Chimica Acta</i> , 2020, 511, 94-96.	1.1	2
57	Management of Anaphylaxis from the Neuromuscular Blocking Agent Rocuronium Bromide: Can We Go with the Flow. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, S224.	2.9	1
58	Basophil activation test in the diagnosis of hypersensitivity reactions to quinolones by Loli Ausejo et al. <i>Clinical and Experimental Allergy</i> , 2021, 51, 980-981.	2.9	1
59	Nonirritant concentrations and performance of ceftaroline skin tests in patients with an immediate $\beta$ -lactam hypersensitivity. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 4486-4488.e2.	3.8	1
60	Detection of house dust mite allergen (Der p1) in cord blood. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, S329-S329.	2.9	0
61	Piecing Together the IgE-Reactivity Profile of Cannabis sativa in a North-Western European Region. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, AB428.	2.9	0
62	Reply to "Does sugammadex have multiple mechanisms for causing anaphylaxis?". <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 2458-2459.	3.8	0
63	Basophil Activation Techniques: Staining of Exteriorized Granule Matrix. <i>Methods in Molecular Biology</i> , 2020, 2163, 213-218.	0.9	0