

Markus W Ollert

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.

105
papers

3,563
citations

34
h-index

58
g-index

123
ext. papers

4,555
ext. citations

6.5
avg, IF

4.99
L-index

#	Paper	IF	Citations
105	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3272-91	15.9	267
104	Genome-wide scan on total serum IgE levels identifies FCER1A as novel susceptibility locus. <i>PLoS Genetics</i> , 2008 , 4, e1000166	6	218
103	Human CD56bright NK Cells: An Update. <i>Journal of Immunology</i> , 2016 , 196, 2923-31	5.3	199
102	Glutathione Primes T Cell Metabolism for Inflammation. <i>Immunity</i> , 2017 , 46, 675-689	32.3	182
101	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005 , 2, 403-4	21.6	148
100	Low-dose anti-IgE therapy in patients with atopic eczema with high serum IgE levels. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 120, 1223-5	11.5	127
99	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015 , 47, 969-978	36.3	106
98	Double positivity to bee and wasp venom: improved diagnostic procedure by recombinant allergen-based IgE testing and basophil activation test including data about cross-reactive carbohydrate determinants. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 155-61	11.5	104
97	Mouse phenotyping. <i>Methods</i> , 2011 , 53, 120-35	4.6	103
96	Identification, recombinant expression, and characterization of the 100 kDa high molecular weight Hymenoptera venom allergens Api m 5 and Ves v 3. <i>Journal of Immunology</i> , 2010 , 184, 5403-13	5.3	100
95	Dissecting cross-reactivity in hymenoptera venom allergy by circumvention of alpha-1,3-core fucosylation. <i>Molecular Immunology</i> , 2010 , 47, 799-808	4.3	91
94	Molecular cloning and expression in insect cells of honeybee venom allergen acid phosphatase (Api m 3). <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 117, 848-54	11.5	86
93	Dual PD1/LAG3 immune checkpoint blockade limits tumor development in a murine model of chronic lymphocytic leukemia. <i>Blood</i> , 2018 , 131, 1617-1621	2.2	76
92	Predominant Api m 10 sensitization as risk factor for treatment failure in honey bee venom immunotherapy. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1663-1671.e9	11.5	70
91	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , 2009 , 530, 463-509	1.4	67
90	Anaphylaxis to insect venom allergens: role of molecular diagnostics. <i>Current Allergy and Asthma Reports</i> , 2015 , 15, 26	5.6	64
89	Vitellogenins are new high molecular weight components and allergens (Api m 12 and Ves v 6) of <i>Apis mellifera</i> and <i>Vespula vulgaris</i> venom. <i>PLoS ONE</i> , 2013 , 8, e62009	3.7	62

88	Detection of IgE to recombinant Api m 1 and rVes v 5 is valuable but not sufficient to distinguish bee from wasp venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 247-8; author reply 248	11.5	62
87	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017 , 8, 155	17.4	60
86	Allergen-specific IgE measured by a continuous random-access immunoanalyzer: interassay comparison and agreement with skin testing. <i>Clinical Chemistry</i> , 2005 , 51, 1241-9	5.5	58
85	EAACI statement on the diagnosis, management and prevention of severe allergic reactions to COVID-19 vaccines. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1629-1639	9.3	54
84	Cytochrome c oxidase subunit 4 isoform 2-knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , 2012 , 26, 3916-30	0.9	53
83	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
82	International consensus (ICON) on: clinical consequences of mite hypersensitivity, a global problem. <i>World Allergy Organization Journal</i> , 2017 , 10, 14	5.2	50
81	COVID-19 pandemic: Practical considerations on the organization of an allergy clinic-An EAACI/ARIA Position Paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 648-676	9.3	46
80	Glutathione Restricts Serine Metabolism to Preserve Regulatory T Cell Function. <i>Cell Metabolism</i> , 2020 , 31, 920-936.e7	24.6	43
79	The basophil activation test differentiates between patients with alpha-gal syndrome and asymptomatic alpha-gal sensitization. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 182-189	11.5	43
78	Recombinant phospholipase A1 (Ves v 1) from yellow jacket venom for improved diagnosis of hymenoptera venom hypersensitivity. <i>Clinical and Molecular Allergy</i> , 2010 , 8, 7	3.7	42
77	Induction of IL-10-producing type 2 innate lymphoid cells by allergen immunotherapy is associated with clinical response. <i>Immunity</i> , 2021 , 54, 291-307.e7	32.3	41
76	Identification of Hymenoptera venom-allergic patients with negative specific IgE to venom extract by using recombinant allergens. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 909-10	11.5	39
75	Targeting IgE in Severe Atopic Dermatitis with a Combination of Immunoabsorption and Omalizumab. <i>Acta Dermato-Venereologica</i> , 2016 , 96, 72-6	2.2	38
74	SARS-CoV-2 transmission risk from asymptomatic carriers: Results from a mass screening programme in Luxembourg. <i>Lancet Regional Health - Europe, The</i> , 2021 , 4, 100056		37
73	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012 , 23, 611-22	3.2	35
72	Evaluation of different glycoforms of honeybee venom major allergen phospholipase A2 (Api m 1) produced in insect cells. <i>Protein and Peptide Letters</i> , 2011 , 18, 415-22	1.9	35
71	Prevalence of SARS-CoV-2 infection in the Luxembourgish population: the CON-VINCE study.		32

70	Component-resolved evaluation of the content of major allergens in therapeutic extracts for specific immunotherapy of honeybee venom allergy. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 2482-2489	4.4	30
69	The atypical chemokine receptor ACKR3/CXCR7 is a broad-spectrum scavenger for opioid peptides. <i>Nature Communications</i> , 2020 , 11, 3033	17.4	29
68	Vaccines and allergic reactions: The past, the current COVID-19 pandemic, and future perspectives. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1640-1660	9.3	29
67	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018 , 16, e2005019	9.7	28
66	Cross-reactivity in fish allergy: A double-blind, placebo-controlled food-challenge trial. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 1170-1172	11.5	27
65	A roadmap towards personalized immunology. <i>Npj Systems Biology and Applications</i> , 2018 , 4, 9	5	27
64	High mobility group N proteins modulate the fidelity of the cellular transcriptional profile in a tissue- and variant-specific manner. <i>Journal of Biological Chemistry</i> , 2013 , 288, 16690-16703	5.4	26
63	Basophil activation test using recombinant allergens: highly specific diagnostic method complementing routine tests in wasp venom allergy. <i>PLoS ONE</i> , 2014 , 9, e108619	3.7	26
62	Allergen-specific immunotherapy of Hymenoptera venom allergy - also a matter of diagnosis. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 2467-2481	4.4	25
61	Generation of human monoclonal allergen-specific IgE and IgG antibodies from synthetic antibody libraries. <i>Clinical Chemistry</i> , 2007 , 53, 837-44	5.5	22
60	Patients Allergic to Fish Tolerate Ray Based on the Low Allergenicity of Its Parvalbumin. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019 , 7, 500-508.e11	5.4	22
59	Homologous tropomyosins from vertebrate and invertebrate: Recombinant calibrator proteins in functional biological assays for tropomyosin allergenicity assessment of novel animal foods. <i>Clinical and Experimental Allergy</i> , 2020 , 50, 105-116	4.1	21
58	Specific CD8 T cells in IgE-mediated allergy correlate with allergen dose and allergic phenotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 7-16	10.2	20
57	Anaphylactic Reactions to Novel Foods: Case Report of a Child With Severe Crocodile Meat Allergy. <i>Pediatrics</i> , 2017 , 139,	7.4	19
56	The role of component-resolved diagnosis in Hymenoptera venom allergy. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2019 , 19, 614-622	3.3	18
55	The high molecular weight dipeptidyl peptidase IV Pol d 3 is a major allergen of <i>Polistes dominula</i> venom. <i>Scientific Reports</i> , 2018 , 8, 1318	4.9	16
54	COVID-19 pandemic and allergen immunotherapy-an EAACI survey. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 3504-3516	9.3	16
53	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 179-188	4.3	15

52	In-vivo diagnostic test allergens in Europe: A call to action and proposal for recovery plan-An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 2161-2169	9.3	14
51	Improved efficacy of allergen-specific immunotherapy by JAK inhibition in a murine model of allergic asthma. <i>PLoS ONE</i> , 2017 , 12, e0178563	3.7	13
50	Noninvasive and minimally invasive techniques for the diagnosis and management of allergic diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1010-1023	9.3	13
49	Drugs of porcine origin-A risk for patients with Egel syndrome?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019 , 7, 1687-1690.e3	5.4	12
48	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. <i>Behavioural Brain Research</i> , 2018 , 352, 187-196	3.4	12
47	CIP2A Promotes T-Cell Activation and Immune Response to <i>Listeria monocytogenes</i> Infection. <i>PLoS ONE</i> , 2016 , 11, e0152996	3.7	12
46	Endothelial amine oxidase AOC3 transiently contributes to adaptive immune responses in the airways. <i>European Journal of Immunology</i> , 2014 , 44, 3232-9	6.1	11
45	Multidimensional Proteomic Approach of Endothelial Progenitors Demonstrate Expression of KDR Restricted to CD19 Cells. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 639-651	7.3	11
44	Quantitation of serum IgE by using chimeras of human IgE receptor and avian immunoglobulin domains. <i>Analytical Biochemistry</i> , 2011 , 412, 134-40	3.1	10
43	Prevalence of Hymenoptera venom allergy and sensitization in the population-representative German KORA cohort. <i>Allergo Journal International</i> , 2019 , 28, 183-191	1.5	9
42	Lysozyme, a new allergen in donkey milk. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1521-1523	4.1	7
41	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4035-4046	3.2	7
40	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. <i>Scientific Reports</i> , 2018 , 8, 5975	4.9	6
39	Horse-meat allergy mediated by dog-allergy: a case report and review of the literature. <i>Allergo Journal International</i> , 2016 , 25, 76-81	1.5	6
38	Precision Medicine in Hymenoptera Venom Allergy: Diagnostics, Biomarkers, and Therapy of Different Endotypes and Phenotypes. <i>Frontiers in Immunology</i> , 2020 , 11, 579409	8.4	6
37	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. <i>Scientific Reports</i> , 2020 , 10, 18334	4.9	6
36	Molecular allergology and its impact in specific allergy diagnosis and therapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 3642-3658	9.3	6
35	Protocol for a prospective, longitudinal cohort of people with COVID-19 and their household members to study factors associated with disease severity: the Predi-COVID study. <i>BMJ Open</i> , 2020 , 10, e041834	3	5

34	Reply: To PMID 24290287. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 494-5	11.5	5
33	Cox4i2, Ifit2, and Prdm11 Mutant Mice: Effective Selection of Genes Predisposing to an Altered Airway Inflammatory Response from a Large Compendium of Mutant Mouse Lines. <i>PLoS ONE</i> , 2015 , 10, e0134503	3.7	5
32	CpG Adjuvant in Allergen-Specific Immunotherapy: Finding the Sweet Spot for the Induction of Immune Tolerance. <i>Frontiers in Immunology</i> , 2021 , 12, 590054	8.4	5
31	Shedding Light on the Venom Proteomes of the Allergy-Relevant Hymenoptera (European Paper Wasp) and spp. (Yellow Jacket). <i>Toxins</i> , 2020 , 12,	4.9	4
30	Identification of cross-reactivity between buckwheat and coconut. <i>Annals of Allergy, Asthma and Immunology</i> , 2015 , 115, 530-2	3.2	4
29	Identification of VIMP as a gene inhibiting cytokine production in human CD4+ effector T cells. <i>iScience</i> , 2021 , 24, 102289	6.1	4
28	IgE-Mediated Peanut Allergy: Current and Novel Predictive Biomarkers for Clinical Phenotypes Using Multi-Omics Approaches. <i>Frontiers in Immunology</i> , 2020 , 11, 594350	8.4	4
27	Comprehensive mapping of immune tolerance yields a regulatory TNF receptor 2 signature in a murine model of successful Fel d 1-specific immunotherapy using high-dose CpG adjuvant. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2153-2165	9.3	4
26	Characterization of the honeybee venom proteins C1q-like protein and PVF1 and their allergenic potential. <i>Toxicon</i> , 2018 , 150, 198-206	2.8	4
25	EAACI Research and Outreach Committee: Improving standards and facilitating global collaboration through a Research Excellence Network. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1899-1901	9.3	3
24	Rare Ingestive Food Allergy to Mushroom <i>Boletus badius</i> . <i>Acta Dermato-Venereologica</i> , 2017 , 97, 1134-1135		3
23	Streptozotocin-induced β cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. <i>Scientific Reports</i> , 2018 , 8, 11335	4.9	3
22	DJ-1 depletion prevents immunoaging in T-cell compartments.. <i>EMBO Reports</i> , 2022 , e53302	6.5	3
21	Driving Cytotoxic Natural Killer Cells into Melanoma: If CCL5 Plays the Music, Autophagy Calls the Shots. <i>Critical Reviews in Oncogenesis</i> , 2018 , 23, 321-332	1.3	3
20	Intestinal mucus barrier: a missing piece of the puzzle in food allergy. <i>Trends in Molecular Medicine</i> , 2021 ,	11.5	3
19	GigaSOM.jl: High-performance clustering and visualization of huge cytometry datasets. <i>GigaScience</i> , 2020 , 9,	7.6	3
18	CXCL10 Is an Agonist of the CC Family Chemokine Scavenger Receptor ACKR2/D6. <i>Cancers</i> , 2021 , 13,	6.6	3
17	EGal present on both glycolipids and glycoproteins contributes to immune response in meat-allergic patients.. <i>Journal of Allergy and Clinical Immunology</i> , 2022 ,	11.5	3

16	Delayed reaction in alpha-gal allergy is reflected in serum levels after ingestion of pork kidney, and absorption is dependent on food processing. <i>Clinical and Experimental Allergy</i> , 2021 ,	4.1	2
15	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis		2
14	Proadrenomedullin N-Terminal 20 Peptides (PAMPs) Are Agonists of the Chemokine Scavenger Receptor ACKR3/CXCR7. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 813-823	5.9	2
13	Marker allergens in Hymenoptera venom allergy □Characteristics and potential use in precision medicine. <i>Allergo Journal International</i> , 2021 , 30, 26-38	1.5	2
12	EAACI/GA2LEN/EDF/WAO-Leitlinie für die Definition, Klassifikation, Diagnose und das Management der Urtikaria □konsentierter, deutschsprachiger Übersetzung. <i>Allergo Journal</i> , 2018 , 27, 41-69	0	2
11	Standard Peripheral Blood Mononuclear Cell Cryopreservation Selectively Decreases Detection of Nine Clinically Relevant T Cell Markers. <i>ImmunoHorizons</i> , 2021 , 5, 711-720	2.7	2
10	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis during ageing. <i>Nature Metabolism</i> ,	14.6	2
9	Network-Guided Key Gene Discovery for a Given Cellular Process. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016 , 1	1.7	1
8	Neues Rahmenwerk zur Interpretation von IgE-Tests □eine wissenschaftliche Zusammenfassung. <i>Allergo Journal</i> , 2018 , 27, 41-50	0	1
7	HLA class I deficiency as an additional cause of bronchiectasis. <i>Respirology</i> , 2015 , 20, 1145	3.6	1
6	A novel method for quantifying ingested food allergens in human sera. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 972-975	4.1	1
5	6th International Symposium on Molecular Allergology (ISMA). <i>Clinical and Translational Allergy</i> , 2016 , 6,	5.2	1
4	Characterization of New Allergens from the Venom of the European Paper Wasp. <i>Toxins</i> , 2021 , 13,	4.9	1
3	Combinatorial analysis reveals highly coordinated early-stage immune reactions that predict later antiviral immunity in mild COVID-19 patients.. <i>Cell Reports Medicine</i> , 2022 , 3, 100600	18	0
2	Associations between physical activity prior to infection and COVID-19 disease severity and symptoms: results from the prospective Predi-COVID cohort study.. <i>BMJ Open</i> , 2022 , 12, e057863	3	0
1	Prevalence of Hymenoptera venom allergy and sensitization in the population-representative German KORA cohort. <i>Allergo Journal</i> , 2019 , 28, 42-51	0	