

Markus W Ollert

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

5,318
citations

87886

38
h-index

95259

68
g-index

123
all docs

123
docs citations

123
times ranked

8170
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013, 123, 3272-3291.	8.2	333
2	Human CD56bright NK Cells: An Update. <i>Journal of Immunology</i> , 2016, 196, 2923-2931.	0.8	318
3	Glutathione Primes T Cell Metabolism for Inflammation. <i>Immunity</i> , 2017, 46, 675-689.	14.3	318
4	Genome-Wide Scan on Total Serum IgE Levels Identifies FCER1A as Novel Susceptibility Locus. <i>PLoS Genetics</i> , 2008, 4, e1000166.	3.5	255
5	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005, 2, 403-404.	19.0	176
6	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, 1223-1225.	2.9	144
7	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015, 47, 969-978.	21.4	137
8	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.	14.3	134
9	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, 155-161.	2.9	129
10	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	3.8	128
11	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, 5403-5413.	0.8	114
12	Glutathione Restricts Serine Metabolism to Preserve Regulatory T Cell Function. <i>Cell Metabolism</i> , 2020, 31, 920-936.e7.	16.2	109
13	Dissecting cross-reactivity in hymenoptera venom allergy by circumvention of Î±-1,3-core fucosylation. <i>Molecular Immunology</i> , 2010, 47, 799-808.	2.2	105
14	Dual PD1/LAG3 immune checkpoint blockade limits tumor development in a murine model of chronic lymphocytic leukemia. <i>Blood</i> , 2018, 131, 1617-1621.	1.4	101
15	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.	5.7	99
16	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.	5.7	95
17	Molecular cloning and expression in insect cells of honeybee venom allergen acid phosphatase (Api m) Tj ETQq1 1 0.784314 IgBT /Overl	2.9	98
18	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.	2.9	93

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19	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017, 8, 155.	12.8	87
20	International consensus (ICON) on: clinical consequences of mite hypersensitivity, a global problem. <i>World Allergy Organization Journal</i> , 2017, 10, 14.	3.5	80
21	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.	5.7	79
22	Anaphylaxis to Insect Venom Allergens: Role of Molecular Diagnostics. <i>Current Allergy and Asthma Reports</i> , 2015, 15, 26.	5.3	78
23	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, 247-248.	2.9	74
24	The atypical chemokine receptor ACKR3/CXCR7 is a broad-spectrum scavenger for opioid peptides. <i>Nature Communications</i> , 2020, 11, 3033.	12.8	74
25	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.	2.5	73
26	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.	5.7	72
27	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.	2.9	71
28	Systemic First-Line Phenotyping. <i>Methods in Molecular Biology</i> , 2009, 530, 463-509.	0.9	70
29	SARS-CoV-2 transmission risk from asymptomatic carriers: Results from a mass screening programme in Luxembourg. <i>Lancet Regional Health - Europe</i> , 2021, 4, 100056.	5.6	68
30	Allergen-Specific IgE Measured by a Continuous Random-Access Immunoanalyzer: Interassay Comparison and Agreement with Skin Testing. <i>Clinical Chemistry</i> , 2005, 51, 1241-1249.	3.2	66
31	Cytochrome c oxidase subunit 4 isoform 2 knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , 2012, 26, 3916-3930.	0.5	62
32	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.	1.8	51
33	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018, 16, e2005019.	5.6	48
34	Targeting IgE in Severe Atopic Dermatitis with a Combination of Immunoabsorption and Omalizumab. <i>Acta Dermato-Venereologica</i> , 2016, 96, 72-76.	1.3	47
35	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.	3.3	45
36	A roadmap towards personalized immunology. <i>Npj Systems Biology and Applications</i> , 2018, 4, 9.	3.0	43

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37	Allergen-specific immunotherapy of Hymenoptera venom allergy – also a matter of diagnosis. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2467-2481.	3.3	42
38	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, 909-910.	2.9	41
39	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.	2.9	41
40	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012, 23, 611-622.	2.2	40
41	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.	3.8	40
42	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.	3.4	37
43	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, 415-422.	0.9	36
44	Basophil Activation Test Using Recombinant Allergens: Highly Specific Diagnostic Method Complementing Routine Tests in Wasp Venom Allergy. <i>PLoS ONE</i> , 2014, 9, e108619.	2.5	34
45	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.	2.9	32
46	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.	3.3	31
47	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. <i>Behavioural Brain Research</i> , 2018, 352, 187-196.	2.2	31
48	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.	5.7	30
49	Precision Medicine in Hymenoptera Venom Allergy: Diagnostics, Biomarkers, and Therapy of Different Endotypes and Phenotypes. <i>Frontiers in Immunology</i> , 2020, 11, 579409.	4.8	29
50	The role of component-resolved diagnosis in Hymenoptera venom allergy. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2019, 19, 614-622.	2.3	28
51	Intestinal mucus barrier: a missing piece of the puzzle in food allergy. <i>Trends in Molecular Medicine</i> , 2022, 28, 36-50.	6.7	27
52	Generation of Human Monoclonal Allergen-Specific IgE and IgG Antibodies from Synthetic Antibody Libraries. <i>Clinical Chemistry</i> , 2007, 53, 837-844.	3.2	26
53	COVID-19 pandemic and allergen immunotherapy – an EAACI survey. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3504-3516.	5.7	26
54	Drugs of porcine origin – A risk for patients with β -gal syndrome?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1687-1690.e3.	3.8	25

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55	CXCL10 Is an Agonist of the CC Family Chemokine Scavenger Receptor ACKR2/D6. <i>Cancers</i> , 2021, 13, 1054.	3.7	25
56	Anaphylactic Reactions to Novel Foods: Case Report of a Child With Severe Crocodile Meat Allergy. <i>Pediatrics</i> , 2017, 139, .	2.1	24
57	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.	5.6	23
58	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 179-188.	0.7	23
59	Inâ€vivo diagnostic test allergens in Europe: A call to action and proposal for recovery planâ€”An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2161-2169.	5.7	23
60	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.	1.9	22
61	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.	5.7	21
62	CpG Adjuvant in Allergen-Specific Immunotherapy: Finding the Sweet Spot for the Induction of Immune Tolerance. <i>Frontiers in Immunology</i> , 2021, 12, 590054.	4.8	21
63	Improved efficacy of allergen-specific immunotherapy by JAK inhibition in a murine model of allergic asthma. <i>PLoS ONE</i> , 2017, 12, e0178563.	2.5	18
64	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.	3.8	18
65	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis during ageing. <i>Nature Metabolism</i> , 2022, 4, 589-607.	11.9	18
66	CIP2A Promotes T-Cell Activation and Immune Response to <i>Listeria monocytogenes</i> Infection. <i>PLoS ONE</i> , 2016, 11, e0152996.	2.5	17
67	Î±-Gal present on both glycolipids and glycoproteins contributes to immune response in meat-allergic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 396-405.e11.	2.9	17
68	Prevalence of Hymenoptera venom allergy and sensitization in the population-representative German KORA cohort. <i>Allergo Journal International</i> , 2019, 28, 183-191.	2.0	16
69	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.	4.9	15
70	Endothelial amine oxidase AOC3 transiently contributes to adaptive immune responses in the airways. <i>European Journal of Immunology</i> , 2014, 44, 3232-3239.	2.9	14
71	Shedding Light on the Venom Proteomes of the Allergy-Relevant Hymenoptera <i>Polistes dominula</i> (European Paper Wasp) and <i>Vespula</i> spp. (Yellow Jacket). <i>Toxins</i> , 2020, 12, 323.	3.4	14
72	IgE-Mediated Peanut Allergy: Current and Novel Predictive Biomarkers for Clinical Phenotypes Using Multi-Omics Approaches. <i>Frontiers in Immunology</i> , 2020, 11, 594350.	4.8	14

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73	Identification of VIMP as a gene inhibiting cytokine production in human CD4+ effector T ^H 1 cells. <i>IScience</i> , 2021, 24, 102289.	4.1	14
74	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. <i>Scientific Reports</i> , 2018, 8, 5975.	3.3	13
75	Lysozyme, a new allergen in donkey's milk. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1521-1523.	2.9	13
76	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. <i>Scientific Reports</i> , 2020, 10, 18334.	3.3	12
77	Quantitation of serum IgE by using chimeras of human IgE receptor and avian immunoglobulin domains. <i>Analytical Biochemistry</i> , 2011, 412, 134-140.	2.4	11
78	Comprehensive mapping of immune tolerance yields a regulatory TNF receptor 2 signature in a murine model of successful Fel d 1 ^s -specific immunotherapy using high-dose CpG adjuvant. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2153-2165.	5.7	11
79	Standard Peripheral Blood Mononuclear Cell Cryopreservation Selectively Decreases Detection of Nine Clinically Relevant T Cell Markers. <i>ImmunoHorizons</i> , 2021, 5, 711-720.	1.8	10
80	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.	6.5	10
81	Marker allergens in Hymenoptera venom allergy – Characteristics and potential use in precision medicine. <i>Allergo Journal International</i> , 2021, 30, 26-38.	2.0	9
82	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 4035-4046.	1.8	9
83	DJ ¹ depletion prevents immunoaging in T ^H 1 cell compartments. <i>EMBO Reports</i> , 2022, 23, e53302.	4.5	9
84	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.	1.9	9
85	Pre-Omicron Vaccine Breakthrough Infection Induces Superior Cross-Neutralization against SARS-CoV-2 Omicron BA.1 Compared to Infection Alone. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7675.	4.1	9
86	GigaSOM.jl: High-performance clustering and visualization of huge cytometry datasets. <i>GigaScience</i> , 2020, 9, .	6.4	8
87	Horse-meat allergy mediated by dog-allergy: a case report and review of the literature. <i>Allergo Journal International</i> , 2016, 25, 76-81.	2.0	7
88	Allergen Content of Therapeutic Preparations for Allergen-Specific Immunotherapy of European Paper Wasp Venom Allergy. <i>Toxins</i> , 2022, 14, 284.	3.4	7
89	Characterization of the honeybee venom proteins C1q-like protein and PVF1 and their allergenic potential. <i>Toxicon</i> , 2018, 150, 198-206.	1.6	6
90	Characterization of New Allergens from the Venom of the European Paper Wasp <i>Polistes dominula</i> . <i>Toxins</i> , 2021, 13, 559.	3.4	6

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91	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> , 2022, 52, 197-200.	2.9	6
92	A Hot Topic: Cancer Immunotherapy and Natural Killer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 797.	4.1	6
93	Stress hormone signalling inhibits Th1 polarization in a CD4 T cell-intrinsic manner via mTORC1 and the circadian gene <i>PER1</i> . <i>Immunology</i> , 2022, 165, 428-444.	4.4	6
94	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 494-495.e1.	2.9	5
95	Identification of cross-reactivity between buckwheat and coconut. <i>Annals of Allergy, Asthma and Immunology</i> , 2015, 115, 530-532.	1.0	5
96	Streptozotocin-induced β 2-cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. <i>Scientific Reports</i> , 2018, 8, 11335.	3.3	5
97	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.	2.5	5
98	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.	0.4	5
99	High-dimensional immune profiles correlate with phenotypes of peanut allergy during food-allergic reactions. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2023, 78, 1020-1035.	5.7	4
100	Rare Ingestive Food Allergy to Mushroom <i>Boletus badius</i> . <i>Acta Dermato-Venereologica</i> , 2017, 97, 1134-1135.	1.3	3
101	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.	5.7	3
102	A novel method for quantifying ingested food allergens in human sera. <i>Clinical and Experimental Allergy</i> , 2021, 51, 972-975.	2.9	3
103	6th International Symposium on Molecular Allergology (ISMA). <i>Clinical and Translational Allergy</i> , 2016, 6, .	3.2	2
104	Network-Guided Key Gene Discovery for a Given Cellular Process. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, , 1.	1.1	2
105	<i>HLA</i> class I deficiency as an additional cause of bronchiectasis. <i>Respirology</i> , 2015, 20, 1145-1145.	2.3	1
106	Prevalence of Hymenoptera venom allergy and sensitization in the population-representative German KORA cohort. <i>Allergo Journal</i> , 2019, 28, 42-51.	0.1	1
107	Identification of VIMP as a Gene Inhibiting Cytokine Production in Human CD4+ Effector T Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
108	Mass Screening for SARS-CoV-2 Uncovers Significant Transmission Risk from Asymptomatic Carriers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

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109	Adverse Life Trajectories Are a Risk Factor for SARS-CoV-2 IgA Seropositivity. Journal of Clinical Medicine, 2021, 10, 2159.	2.4	0