Marsha Wills-Karp

List of Publications by Year
in descending order

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115 papers	12,520 citations	25014 57 h-index	24232 110 g-index
147 all docs	147 docs citations	147 times ranked	14177 citing authors

#	Article	IF	Citations
1	A metabolome-wide association study of in utero metal and trace element exposures with cord blood metabolome profile: Findings from the Boston Birth Cohort. Environment International, 2022, 158, 106976.	4.8	4
2	A Nonlinear Relation Between Maternal Red Blood Cell Manganese Concentrations and Child Blood Pressure at Age 6â€“12 y: A Prospective Birth Cohort Study. Journal of Nutrition, 2021, 151, 570-578.	1.3	3
3	In Utero Exposure to Heavy Metals and Trace Elements and Childhood Blood Pressure in a U.S. Urban, Low-Income, Minority Birth Cohort. Environmental Health Perspectives, 2021, 129, 67005.	2.8	26
4	Editorial: Activation of Innate Immunity by Allergens and Allergenic Sources. Frontiers in Allergy, 2021, 2, 800929.	1.2	0
5	Serum amyloid A is a soluble pattern recognition receptor that drives type 2 immunity. Nature Immunology, 2020, 21, 756-765.	7.0	63
6	At last â€" linking ORMDL3 polymorphisms, decreased sphingolipid synthesis, and asthma susceptibility. Journal of Clinical Investigation, 2020, 130, 604-607.	3.9	8
7	Placental malperfusion in response to intrauterine inflammation and its connection to fetal sequelae. PLoS ONE, 2019, 14, e0214951.	1.1	32
8	In utero exposure to mercury and childhood overweight or obesity: counteracting effect of maternal folate status. BMC Medicine, 2019, 17, 216.	2.3	15
9	Equity and diversity in academic medicine: a perspective from the JCI editors. Journal of Clinical Investigation, 2019, 129, 3974-3977.	3.9	6
10	Dysregulated invertebrate tropomyosinâ€“dectin-1 interaction confers susceptibility to allergic diseases. Science Immunology, 2018, 3, .	5.6	51
11	Building Healthy Community Environments: A Public Health Approach. Public Health Reports, 2018, 133, 35S-43S.	1.3	27
12	Neutrophil ghosts worsen asthma. Science Immunology, 2018, 3, .	5.6	10
13	C3a is required for ILC2 function in allergic airway inflammation. Mucosal Immunology, 2018, 11, 1653-1662.	2.7	32
14	Nrf2 regulates gene-environment interactions in an animal model of intrauterine inflammation: Implications for preterm birth and prematurity. Scientific Reports, 2017, 7, 40194.	1.6	21
15	IL-17A enhances IL-13 activity by enhancing IL-13â€“induced signal transducer and activator of transcription 6 activation. Journal of Allergy and Clinical Immunology, 2017, 139, 462-471.e14.	1.5	59
16	Histamine-releasing factor: a promising therapeutic target for food allergy. Journal of Clinical Investigation, 2017, 127, 4238-4241.	3.9	7
17	New perspectives on the regulation of type II inflammation in asthma. F1000Research, 2017, 6, 1014.	0.8	10
18	Intrauterine Inflammation and Maternal Exposure to Ambient PM _{2.5} during Preconception and Specific Periods of Pregnancy: The Boston Birth Cohort. Environmental Health Perspectives, 2016, 124, 1608-1615.	2.8	109

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19	Role of Serum Amyloid A, Granulocyte-Macrophage Colony-Stimulating Factor, and Bone Marrow Granulocyte-Monocyte Precursor Expansion in Segmented Filamentous Bacterium-Mediated Protection from Entamoeba histolytica. Infection and Immunity, 2016, 84, 2824-2832.	1.0	28
20	Mechanisms of modulation of cytokine release by human cord blood monocytes exposed to high concentrations of caffeine. Pediatric Research, 2016, 80, 101-109.	1.1	21
21	Preterm Birth with Childhood Asthma: The Role of Degree of Prematurity and Asthma Definitions. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 520-523.	2.5	27
22	Differential control of CD4⁺ Tâ€cell subsets by the PDâ€1/PDâ€L1 axis in a mouse model of allergic asthma. European Journal of Immunology, 2015, 45, 1019-1029.	1.6	62
23	Haploinsufficiency for Stard7 Is Associated with Enhanced Allergic Responses in Lung and Skin. Journal of Immunology, 2015, 194, 5635-5643.	0.4	18
24	Regulation of C-X-C chemokine gene expression by keratin 17 and hnRNP K in skin tumor keratinocytes. Journal of Cell Biology, 2015, 208, 613-627.	2.3	71
25	IL-4 and IL-13 signaling in allergic airway disease. Cytokine, 2015, 75, 68-78.	1.4	364
26	Placenta growth factor augments airway hyperresponsiveness via leukotrienes and IL-13. Journal of Clinical Investigation, 2015, 126, 571-584.	3.9	33
27	Placenta Growth Factor Links the IL-13 Response and the Leukotriene Pathway to Augment Airway Hyper-Responsiveness. Blood, 2015, 126, 977-977.	0.6	0
28	Bone Marrow Dendritic Cells from Mice with an Altered Microbiota Provide Interleukin 17A-Dependent Protection against Entamoeba histolytica Colitis. MBio, 2014, 5, e01817.	1.8	106
29	Source of Biomass Cooking Fuel Determines Pulmonary Response to Household Air Pollution. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 538-548.	1.4	71
30	Blocking Lymphocyte Trafficking with FTY720 Prevents Inflammation-Sensitized Hypoxicâ€“Ischemic Brain Injury in Newborns. Journal of Neuroscience, 2014, 34, 16467-16481.	1.7	69
31	Differential colonization with segmented filamentous bacteria and Lactobacillus murinus do not drive divergent development of diet-induced obesity in C57BL/6 mice. Molecular Metabolism, 2013, 2, 171-183.	3.0	29
32	IL-13 receptor Î±2 contributes to development of experimental allergic asthma. Journal of Allergy and Clinical Immunology, 2013, 132, 951-958.e6.	1.5	41
33	New Twist on an Ancient Innate Immune Pathway. Immunity, 2013, 39, 1000-1002.	6.6	13
34	Trefoil factor 2 rapidly induces interleukin 33 to promote type 2 immunity during allergic asthma and hookworm infection. Journal of Experimental Medicine, 2012, 209, 607-622.	4.2	192
35	Interleukin 13 and the evolution of asthma therapy. American Journal of Clinical and Experimental Immunology, 2012, 1, 20-27.	0.2	21
36	A nonredundant role for mouse Serpinb3a in the induction of mucus production in asthma. Journal of Allergy and Clinical Immunology, 2011, 127, 254-261.e6.	1.5	37

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37	Downregulation of glutathione S-transferase pi in asthma contributes to enhanced oxidative stress. Journal of Allergy and Clinical Immunology, 2011, 128, 539-548.	1.5	32
38	Indoor particulate matter increases asthma morbidity in children with non-atopic and atopic asthma. Annals of Allergy, Asthma and Immunology, 2011, 106, 308-315.	0.5	75
39	Innate lymphoid cells wield a double-edged sword. Nature Immunology, 2011, 12, 1025-1027.	7.0	32
40	Differences in Candidate Gene Association between European Ancestry and African American Asthmatic Children. PLoS ONE, 2011, 6, e16522.	1.1	61
41	Regulation of angiogenesis by a non-canonical Wntâ€“Flt1 pathway in myeloid cells. Nature, 2011, 474, 511-515.	13.7	244
42	The Potential Role of Interleukin-17 in Severe Asthma. Current Allergy and Asthma Reports, 2011, 11, 388-394.	2.4	138
43	Identification of Cd101 as a Susceptibility Gene for Novosphingobium aromaticivorans-Induced Liver Autoimmunity. Journal of Immunology, 2011, 187, 337-349.	0.4	30
44	Selective stimulation of IL-4 receptor on smooth muscle induces airway hyperresponsiveness in mice. Journal of Experimental Medicine, 2011, 208, 853-867.	4.2	68
45	Distinct Roles of Cdc42 in Thymopoiesis and Effector and Memory T Cell Differentiation. PLoS ONE, 2011, 6, e18002.	1.1	33
46	Allergen-specific pattern recognition receptor pathways. Current Opinion in Immunology, 2010, 22, 777-782.	2.4	60
47	Allergy and hypersensitivity. Current Opinion in Immunology, 2010, 22, 775-776.	2.4	1
48	Partial restoration of Tâ€cell function in aged mice by in vitro blockade of the PDâ€1/â€ŠPDâ€L1 pathway. Aging Cell, 2010, 9, 785-798.	3.0	105
49	Complement-mediated regulation of the IL-17A axis is a central genetic determinant of the severity of experimental allergic asthma. Nature Immunology, 2010, 11, 928-935.	7.0	298
50	Foxa2 Programs Th2 Cell-Mediated Innate Immunity in the Developing Lung. Journal of Immunology, 2010, 184, 6133-6141.	0.4	81
51	Importance of Cytokines in Murine Allergic Airway Disease and Human Asthma. Journal of Immunology, 2010, 184, 1663-1674.	0.4	246
52	A Critical Role for C5L2 in the Pathogenesis of Experimental Allergic Asthma. Journal of Immunology, 2010, 185, 6741-6752.	0.4	79
53	Particulate Matterâ€“Induced Airway Hyperresponsiveness Is Lymphocyte Dependent. Environmental Health Perspectives, 2010, 118, 640-646.	2.8	55
54	A Protective Role for C5a in the Development of Allergic Asthma Associated with Altered Levels of B7-H1 and B7-DC on Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 182, 5123-5130.	0.4	65

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55	A TLR2 Agonist in German Cockroach Frass Activates MMP-9 Release and Is Protective against Allergic Inflammation in Mice. Journal of Immunology, 2009, 183, 3400-3408.	0.4	53
56	Caffeine Modulates TNF-Î± Production by Cord Blood Monocytes: The Role of Adenosine Receptors. Pediatric Research, 2009, 65, 203-208.	1.1	78
57	Bone marrow cell derived arginase I is the major source of allergen-induced lung arginase but is not required for airway hyperresponsiveness, remodeling and lung inflammatory responses in mice. BMC Immunology, 2009, 10, 33.	0.9	23
58	Allergenicity resulting from functional mimicry of a Toll-like receptor complex protein. Nature, 2009, 457, 585-588.	13.7	666
59	Identification of IFRD1 as a modifier gene for cystic fibrosis lung disease. Nature, 2009, 458, 1039-1042.	13.7	115
60	Innate immune responses of airway epithelium to house dust mite are mediated through Î²-glucanâ€“dependent pathways. Journal of Allergy and Clinical Immunology, 2009, 123, 612-618.	1.5	175
61	Unique and overlapping gene expression patterns driven by IL-4 and IL-13 in the mouse lung. Journal of Allergy and Clinical Immunology, 2009, 123, 795-804.e8.	1.5	53
62	Usefulness and optimization of mouse models of allergic airway disease. Journal of Allergy and Clinical Immunology, 2008, 121, 603-606.	1.5	68
63	Matrix metalloproteinase 8 contributes to solubilization of IL-13 receptor Î±2 in vivo. Journal of Allergy and Clinical Immunology, 2008, 122, 625-632.	1.5	33
64	Untangling the Complex Web of IL-4â€“ and IL-13â€“Mediated Signaling Pathways. Science Signaling, 2008, 1, pe55.	1.6	231
65	TLR2-Mediated Activation of Neutrophils in Response to German Cockroach Frass. Journal of Immunology, 2008, 180, 6317-6324.	0.4	44
66	Allergen Uptake, Activation, and IL-23 Production by Pulmonary Myeloid DCs Drives Airway Hyperresponsiveness in Asthma-Susceptible Mice. PLoS ONE, 2008, 3, e3879.	1.1	89
67	Targeting PDâ€1 or ICOS pathways does not rescue decreased CD3â€induced proliferation of aged T cells. FASEB Journal, 2008, 22, 663.28.	0.2	0
68	Differences in Expression, Affinity, and Function of Soluble (s)IL-4RÎ± and sIL-13RÎ±2 Suggest Opposite Effects on Allergic Responses. Journal of Immunology, 2007, 179, 6429-6438.	0.4	38
69	Complement Activation Pathways: A Bridge between Innate and Adaptive Immune Responses in Asthma. Proceedings of the American Thoracic Society, 2007, 4, 247-251.	3.5	94
70	A dual role for complement in allergic asthma. Current Opinion in Pharmacology, 2007, 7, 283-289.	1.7	26
71	Complement regulates inhalation tolerance at the dendritic cell/T cell interface. Molecular Immunology, 2007, 44, 44-56.	1.0	43
72	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. American Journal of Pathology, 2006, 169, 566-583.	1.9	336

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73	Polymorphisms in the novel gene acyloxyacyl hydroxylase (AOAH) are associated with asthma and associated phenotypes. Journal of Allergy and Clinical Immunology, 2006, 118, 70-77.	1.5	40
74	IL-4 induces IL-13â€“independent allergic airway inflammation. Journal of Allergy and Clinical Immunology, 2006, 118, 410-419.	1.5	106
75	Characterization of a novel PMA-inducible pathway of interleukin-13 gene expression in T cells. Immunology, 2006, 117, 29-37.	2.0	16
76	IL-1 Receptor antagonist as a positional candidate gene in a murine model of allergic asthma. Immunogenetics, 2006, 58, 851-855.	1.2	41
77	Elevated cytokine levels in children with autism spectrum disorder. Journal of Neuroimmunology, 2006, 172, 198-205.	1.1	327
78	A regulatory role for the C5a anaphylatoxin in type 2 immunity in asthma. Journal of Clinical Investigation, 2006, 116, 783-796.	3.9	194
79	Atorvastatin Affects Interleukin-2 Signaling by Altering the Lipid Raft Enrichment of the Interleukin-2 Receptor Î² Chain. Journal of Investigative Medicine, 2005, 53, 322-328.	0.7	12
80	New insights into the role of the complement pathway in allergy and asthma. Current Allergy and Asthma Reports, 2005, 5, 362-369.	2.4	34
81	Immunostimulatory oligonucleotides block allergic airway inflammation by inhibiting Th2 cell activation and IgE-mediated cytokine induction. Journal of Experimental Medicine, 2005, 202, 1563-1573.	4.2	106
82	CD4+CD25+ T cells protect against experimentally induced asthma and alter pulmonary dendritic cell phenotype and function. Journal of Experimental Medicine, 2005, 202, 1549-1561.	4.2	364
83	Expression and Regulation of Small Proline-Rich Protein 2 in Allergic Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 428-435.	1.4	59
84	Suppressive Effect of IL-4 on IL-13-Induced Genes in Mouse Lung. Journal of Immunology, 2005, 174, 4630-4638.	0.4	47
85	Altered gene expression profiles in nasal respiratory epithelium reflect stable versus acute childhood asthma. Journal of Allergy and Clinical Immunology, 2005, 115, 243-251.	1.5	81
86	Chitin Checking â€” Novel Insights into Asthma. New England Journal of Medicine, 2004, 351, 1455-1457.	13.9	27
87	BIOMEDICINE: Eosinophils in Asthma: Remodeling a Tangled Tale. Science, 2004, 305, 1726-1729.	6.0	101
88	Interleukin-13 in asthma pathogenesis. Immunological Reviews, 2004, 202, 175-190.	2.8	572
89	Defective lipoxin-mediated anti-inflammatory activity in the cystic fibrosis airway. Nature Immunology, 2004, 5, 388-392.	7.0	321
90	Time to draw breath: asthma-susceptibility genes are identified. Nature Reviews Genetics, 2004, 5, 376-387.	7.7	146

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91	Interleukin-13 in asthma pathogenesis. Current Allergy and Asthma Reports, 2004, 4, 123-131.	2.4	93
92	The anaphylatoxins bridge innate and adaptive immune responses in allergic asthma. Molecular Immunology, 2004, 41, 123-131.	1.0	122
93	Understanding the Origin of Asthma and its Relationship to Breastfeeding. Advances in Experimental Medicine and Biology, 2004, 554, 171-191.	0.8	14
94	I-Tim-izing the pathways of counter-regulation. Nature Immunology, 2003, 4, 1050-1052.	7.0	9
95	Interleukin-13 in asthma. Current Opinion in Pulmonary Medicine, 2003, 9, 21-27.	1.2	153
96	A Role for Immune Complexes in Enhanced Respiratory Syncytial Virus Disease. Journal of Experimental Medicine, 2002, 196, 859-865.	4.2	339
97	Complement Factor 3 Mediates Particulate Matterâ€"Induced Airway Hyperresponsiveness. American Journal of Respiratory Cell and Molecular Biology, 2002, 27, 413-418.	1.4	88
98	Amb a 1â€"linked CpG oligodeoxynucleotides reverse established airway hyperresponsiveness in a murine model of asthma. Journal of Allergy and Clinical Immunology, 2002, 109, 455-462.	1.5	145
99	IL-12/IL-13 axis in allergic asthma. Journal of Allergy and Clinical Immunology, 2001, 107, 9-18.	1.5	211
100	Ambient Urban Baltimore Particulate-induced Airway Hyperresponsiveness and Inflammation in Mice. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1438-1443.	2.5	112
101	Complement and IL-12: yin and yang. Microbes and Infection, 2001, 3, 109-119.	1.0	25
102	Asthma genetics: not for the TIMid?. Nature Immunology, 2001, 2, 1095-1096.	7.0	9
103	The germless theory of allergic disease: revisiting the hygiene hypothesis. Nature Reviews Immunology, 2001, 1, 69-75.	10.6	718
104	Preferential Activation of Nuclear Factor of Activated T Cells c Correlates with Mouse Strain Susceptibility to Allergic Responses and Interleukin-4 Gene Expression. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 58-65.	1.4	20
105	Attenuation of Lung Inflammation and Fibrosis in Interferon-Î³ â€"Deficient Mice after Intratracheal Bleomycin. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 545-555.	1.4	122
106	Quantitative Trait Loci Controlling Allergen-Induced Airway Hyperresponsiveness in Inbred Mice. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 537-545.	1.4	133
107	Identification of complement factor 5 as a susceptibility locus for experimental allergic asthma. Nature Immunology, 2000, 1, 221-226.	7.0	365
108	Assessment of cellular profile and lung function with repeated bronchoalveolar lavage in individual mice. Physiological Genomics, 2000, 2, 29-36.	1.0	30

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109	Trophic Slime, Allergic Slime. American Journal of Respiratory Cell and Molecular Biology, 2000, 22, 637-639.	1.4	28
110	The gene encoding interleukin-13: a susceptibility locus for asthma and related traits. Respiratory Research, 2000, 1, 19-23.	1.4	40
111	IMMUNOLOGIC BASIS OF ANTIGEN-INDUCED AIRWAY HYPERRESPONSIVENESS. Annual Review of Immunology, 1999, 17, 255-281.	9.5	993
112	Signal Transducer and Activator of Transcription Factor 6 (Stat6)-deficient Mice Are Protected from Antigen-induced Airway Hyperresponsiveness and Mucus Production. Journal of Experimental Medicine, 1998, 187, 939-948.	4.2	416
113	The Genetics of Allergen-Induced Airway Hyperresponsiveness in Mice. American Journal of Respiratory and Critical Care Medicine, 1997, 156, S89-S96.	2.5	78
114	Organ Culture with Proinflammatory Cytokines Reproduces Impairment of the I²-Adrenoceptor-mediated Relaxation in Tracheas of a Guinea Pig Antigen Model. American Journal of Respiratory Cell and Molecular Biology, 1993, 8, 153-159.	1.4	84
115	Effects of age on muscarinic agonist-induced contraction and IP accumulation in airway smooth muscle. Life Sciences, 1991, 49, 1039-1045.	2.0	14