

Stefan F Martin

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,604
citations

147801

31
h-index

133252

59
g-index

77
all docs

77
docs citations

77
times ranked

4256
citing authors

#	ARTICLE	IF	CITATIONS
1	Crucial role for human Toll-like receptor 4 in the development of contact allergy to nickel. <i>Nature Immunology</i> , 2010, 11, 814-819.	14.5	525
2	Neutrophil granulocytes recruited upon translocation of intestinal bacteria enhance graft-versus-host disease via tissue damage. <i>Nature Medicine</i> , 2014, 20, 648-654.	30.7	241
3	Toll-like receptor and IL-12 signaling control susceptibility to contact hypersensitivity. <i>Journal of Experimental Medicine</i> , 2008, 205, 2151-2162.	8.5	195
4	Lack of the purinergic receptor P2X7 results in resistance to contact hypersensitivity. <i>Journal of Experimental Medicine</i> , 2010, 207, 2609-2619.	8.5	183
5	Contact Sensitizers Induce Skin Inflammation via ROS Production and Hyaluronic Acid Degradation. <i>PLoS ONE</i> , 2012, 7, e41340.	2.5	153
6	Dendritic cells govern induction and reprogramming of polarized tissue-selective homing receptor patterns of T _H 17 cells: important roles for soluble factors and tissue microenvironments. <i>European Journal of Immunology</i> , 2005, 35, 1056-1065.	2.9	149
7	Neutrophils are required for both the sensitization and elicitation phase of contact hypersensitivity. <i>Journal of Experimental Medicine</i> , 2015, 212, 15-22.	8.5	143
8	T-cell recognition of chemicals, protein allergens and drugs: towards the development of in vitro assays. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 4171-4184.	5.4	131
9	Metal allergens nickel and cobalt facilitate TLR4 homodimerization independently of MD2. <i>EMBO Reports</i> , 2012, 13, 1109-1115.	4.5	129
10	T Lymphocyte-Mediated Immune Responses to Chemical Haptens and Metal Ions: Implications for Allergic and Autoimmune Disease. <i>International Archives of Allergy and Immunology</i> , 2004, 134, 186-198.	2.1	108
11	Pepsin Digest of Wheat Gliadin Fraction Increases Production of IL-1 β via TLR4/MyD88/TRIF/MAPK/NF- κ B Signaling Pathway and an NLRP3 Inflammasome Activation. <i>PLoS ONE</i> , 2013, 8, e62426.	2.5	98
12	New concepts in cutaneous allergy. <i>Contact Dermatitis</i> , 2015, 72, 2-10.	1.4	84
13	Allergic Skin Inflammation Induced by Chemical Sensitizers Is Controlled by the Transcription Factor Nrf2. <i>Toxicological Sciences</i> , 2013, 134, 39-48.	3.1	83
14	Allergic contact dermatitis: xenoinflammation of the skin. <i>Current Opinion in Immunology</i> , 2012, 24, 720-729.	5.5	81
15	Contact dermatitis: from pathomechanisms to immunotoxicology. <i>Experimental Dermatology</i> , 2012, 21, 382-389.	2.9	79
16	Immunological mechanisms in allergic contact dermatitis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2015, 15, 124-130.	2.3	71
17	Tracking Human Contact Allergens: From Mass Spectrometric Identification of Peptide-Bound Reactive Small Chemicals to Chemical-Specific Naive Human T-Cell Priming. <i>Toxicological Sciences</i> , 2010, 117, 336-347.	3.1	69
18	From innate to adaptive immune responses in contact hypersensitivity. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2008, 8, 289-293.	2.3	67

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19	Current knowledge on biomarkers for contact sensitization and allergic contact dermatitis. <i>Contact Dermatitis</i> , 2017, 77, 1-16.	1.4	64
20	Key Role of the Scavenger Receptor MARCO in Mediating Adenovirus Infection and Subsequent Innate Responses of Macrophages. <i>MBio</i> , 2017, 8, .	4.1	55
21	Pathomechanisms of Contact Sensitization. <i>Current Allergy and Asthma Reports</i> , 2017, 17, 83.	5.3	53
22	Recent advances in understanding and managing contact dermatitis. <i>F1000Research</i> , 2018, 7, 810.	1.6	52
23	Allergy-Inducing Chromium Compounds Trigger Potent Innate Immune Stimulation Via ROS-Dependent Inflammasome Activation. <i>Journal of Investigative Dermatology</i> , 2017, 137, 367-376.	0.7	47
24	Nrf2 Involvement in Chemical-Induced Skin Innate Immunity. <i>Frontiers in Immunology</i> , 2019, 10, 1004.	4.8	47
25	Human T cell priming assay (hTCPA) for the identification of contact allergens based on naive T cells and DC \hat{a} IFN- $\hat{3}$ and TNF- $\hat{1}$ readout. <i>Toxicology in Vitro</i> , 2013, 27, 1180-1185.	2.4	46
26	Adaptation in the innate immune system and heterologous innate immunity. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4115-4130.	5.4	45
27	Anti-inflammatory and immune-regulatory mechanisms prevent contact hypersensitivity to <i>Arnica montana</i> L.. <i>Experimental Dermatology</i> , 2008, 17, 849-857.	2.9	41
28	Allergic contact dermatitis: A commentary on the relationship between T lymphocytes and skin sensitising potency. <i>Toxicology</i> , 2012, 291, 18-24.	4.2	41
29	The Effect of Inhibitory Signals on the Priming of Drug Hapten-Specific T Cells That Express Distinct V $\hat{1}$ 2 Receptors. <i>Journal of Immunology</i> , 2017, 199, 1223-1237.	0.8	41
30	Crosstalk of regulatory T cells and tolerogenic dendritic cells prevents contact allergy in subjects with low zone tolerance. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 781-797.e11.	2.9	39
31	Fas-Mediated Inhibition of CD4+ T Cell Priming Results in Dominance of Type 1 CD8+ T Cells in the Immune Response to the Contact Sensitizer Trinitrophenyl. <i>Journal of Immunology</i> , 2004, 173, 3178-3185.	0.8	34
32	Lack of Type 2 Innate Lymphoid Cells Promotes a Type I-Driven Enhanced Immune Response in Contact Hypersensitivity. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1962-1972.	0.7	31
33	Interactions of Chemicals and Metal Ions with Proteins and Role for Immune Responses. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 247-255.	2.4	26
34	Role of PKC- $\hat{1}$ 2 in chemical-allergen-induced CD86 expression and IL-8 release in THP-1 cells. <i>Archives of Toxicology</i> , 2014, 88, 415-424.	4.2	26
35	Immunoregulation of skin sensitization and regulatory T cells. <i>Contact Dermatitis</i> , 2012, 67, 179-183.	1.4	24
36	Contact Hypersensitivity. <i>Current Protocols in Immunology</i> , 2016, 113, 4.2.1-4.2.7.	3.6	24

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37	<i>In vitro</i> and <i>in vivo</i> analysis of pro- and anti-inflammatory effects of weak and strong contact allergens. <i>Experimental Dermatology</i> , 2010, 19, 1007-1013.	2.9	22
38	In Vivo Expansion of Endogenous Regulatory T Cell Populations Induces Long-Term Suppression of Contact Hypersensitivity. <i>Journal of Immunology</i> , 2016, 197, 1567-1576.	0.8	19
39	New Approaches to Investigate Drug-Induced Hypersensitivity. <i>Chemical Research in Toxicology</i> , 2017, 30, 239-259.	3.3	18
40	Efficiency of Dendritic Cell Vaccination against B16 Melanoma Depends on the Immunization Route. <i>PLoS ONE</i> , 2014, 9, e105266.	2.5	18
41	Innate and Adaptive Immune Responses in Allergic Contact Dermatitis and Autoimmune Skin Diseases. <i>Inflammation and Allergy: Drug Targets</i> , 2007, 6, 236-244.	1.8	17
42	Induction of Contact Hypersensitivity in the Mouse Model. <i>Methods in Molecular Biology</i> , 2013, 961, 325-335.	0.9	15
43	Correlation of Contact Sensitizer Potency with T Cell Frequency and TCR Repertoire Diversity. <i>Exs</i> , 2014, 104, 101-114.	1.4	15
44	IL-10 signaling in dendritic cells is required for tolerance induction in a murine model of allergic airway inflammation. <i>European Journal of Immunology</i> , 2019, 49, 302-312.	2.9	14
45	Inter- α -Trypsin Inhibitor Heavy Chain 5 (ITI5) Is a Natural Stabilizer of Hyaluronan That Modulates Biological Processes in the Skin. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 198-206.	2.5	13
46	Pro-inflammatory immunity supports fibrosis advancement in epidermolysis bullosa: intervention with Ang-1(1-7). <i>EMBO Molecular Medicine</i> , 2021, 13, e14392.	6.9	13
47	IRE1 and PERK signaling regulates inflammatory responses in a murine model of contact hypersensitivity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 966-978.	5.7	10
48	Safe cosmetics without animal testing? Contributions of the EU Project Sens-it-iv. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2009, 4, 41-48.	1.4	8
49	Mechanistic Understanding of Contact Allergy. <i>Cosmetics</i> , 2016, 3, 8.	3.3	8
50	Contact allergens induce CD8+T cell-derived interleukin 10 that appears dispensable for regulation of contact hypersensitivity. <i>Experimental Dermatology</i> , 2017, 26, 449-451.	2.9	8
51	T Cell Responses to Contact Allergens. <i>Exs</i> , 2014, 104, 41-49.	1.4	7
52	Plant Allergen-Induced Contact Dermatitis. <i>Planta Medica</i> , 2019, 85, 528-534.	1.3	6
53	Mechanisms of Irritant and Allergic Contact Dermatitis. , 2021, , 95-120.		6
54	Lack of biglycan reduces contact hypersensitivity in mice. <i>Contact Dermatitis</i> , 2018, 79, 326-328.	1.4	5

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55	Methods to Investigate the Role of Toll-Like Receptors in Allergic Contact Dermatitis. <i>Methods in Molecular Biology</i> , 2016, 1390, 319-340.	0.9	5
56	Contact hypersensitivity: T-cell based assay. <i>Current Opinion in Toxicology</i> , 2017, 5, 39-45.	5.0	4
57	Feeding of a fat-enriched diet causes the loss of resistance to contact hypersensitivity. <i>Contact Dermatitis</i> , 2021, 85, 398-406.	1.4	4
58	Innate Immune Mechanisms in Contact Dermatitis. <i>Handbook of Experimental Pharmacology</i> , 2021, 268, 297-310.	1.8	4
59	Therapeutic targeting of endoplasmic reticulum stress in acute graft-versus-host disease. <i>Haematologica</i> , 2022, 107, 1538-1554.	3.5	3
60	Editorial: Innate Immune Cell Determinants of T Cell Immunity: From Basic Mechanisms to Clinical Implications. <i>Frontiers in Immunology</i> , 2016, 6, 664.	4.8	1
61	Novel concepts of immune responses to chemicals in allergic contact dermatitis. <i>Allergo Journal International</i> , 2016, 25, 1-5.	2.0	1
62	Identification of Contact Allergens by In Vitro Cell Culture-Based Methods. , 2018, , 1-20.		1
63	Tools and Methods for Identification and Analysis of Rare Antigen-Specific T Lymphocytes. <i>Exs</i> , 2014, 104, 73-88.	1.4	1
64	The Human T Cell Priming Assay (hTCPA). , 2017, , 449-454.		1
65	Novel concepts of immune responses to chemicals in allergic contact dermatitis. <i>Allergo Journal</i> , 2016, 25, 17-21.	0.1	0
66	Contact Allergy. , 2018, , 43-49.		0
67	Identification of Contact Allergens by In Vitro Cell Culture-Based Methods. , 2012, , 1155-1168.		0
68	Skin Inflammation Models in Animals. , 2013, , 1-11.		0
69	Skin Inflammation Models in Animals. , 2016, , 1201-1210.		0
70	Identification of Contact Allergens by In Vitro Cell Culture-Based Methods. , 2020, , 1589-1607.		0
71	Mechanisms of Irritant and Allergic Contact Dermatitis. , 2020, , 1-26.		0