Sandra Scheiblhofer

List of Publications by Year
in descending order

69	2,047	159358	253896
papers	citations	30 h-index	43 g-index

77	77	77	2180
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of protein fold stability on immunogenicity and its implications for vaccine design. Expert Review of Vaccines, 2017, 16, 479-489.	2.0	121
2	Gene gun bombardment with gold particles displays a particular Th2-promoting signal that over-rules the Th1-inducing effect of immunostimulatory CpG motifs in DNA vaccines. Vaccine, 2002, 20, 3148-3154.	1.7	90
3	Immune responses after immunization with plasmid DNA encoding Bet v 1, the major allergen of birch pollen. Journal of Allergy and Clinical Immunology, 1999, 103, 107-113.	1.5	86
4	Transcutaneous vaccination via laser microporation. Journal of Controlled Release, 2012, 162, 391-399.	4.8	86
5	A Combination Vaccine for Allergy and Rhinovirus Infections Based on Rhinovirus-Derived Surface Protein VP1 and a Nonallergenic Peptide of the Major Timothy Grass Pollen Allergen Phl p 1. Journal of Immunology, 2009, 182, 6298-6306.	0.4	80
6	Fold stability during endolysosomal acidification is a key factor for allergenicity and immunogenicity of the major birch pollen allergen. Journal of Allergy and Clinical Immunology, 2016, 137, 1525-1534.	1.5	69
7	Immunize and disappearâ€"Safety-optimized mRNA vaccination with a panel of 29 allergens. Journal of Allergy and Clinical Immunology, 2009, 124, 1070-1077.e11.	1.5	68
8	Cloning, Expression, and Mapping of Allergenic Determinants of Î±S1-Casein, a Major Cowâ€™s Milk Allergen. Journal of Immunology, 2009, 182, 7019-7029.	0.4	62
9	DNA and mRNA vaccination against allergies. Pediatric Allergy and Immunology, 2018, 29, 679-688.	1.1	56
10	Epidermal Langerhans Cells Are Dispensable for Humoral and Cell-Mediated Immunity Elicited by Gene Gun Immunization. Journal of Immunology, 2007, 179, 886-893.	0.4	55
11	Multiple roles of Bet v 1 ligands in allergen stabilization and modulation of endosomal protease activity. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2382-2393.	2.7	51
12	Genetic Vaccination against Malaria Infection by Intradermal and Epidermal Injections of a Plasmid Containing the Gene Encoding the Plasmodium berghei Circumsporozoite Protein. Infection and Immunity, 2000, 68, 5914-5919.	1.0	50
13	Molecular and Immunological Characterization of Tri a 36, a Low Molecular Weight Glutenin, as a Novel Major Wheat Food Allergen. Journal of Immunology, 2012, 189, 3018-3025.	0.4	49
14	Visualization of clustered IgE epitopes on Î±-lactalbumin. Journal of Allergy and Clinical Immunology, 2010, 125, 1279-1285.e9.	1.5	48
15	Transcutaneous delivery of CpG-adjuvanted allergen via laser-generated micropores. Vaccine, 2013, 31, 3427-3434.	1.7	48
16	Isoforms of the Major Allergen of Birch Pollen Induce Different Immune Responses after Genetic Immunization. International Archives of Allergy and Immunology, 1999, 120, 17-29.	0.9	43
17	Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy. Journal of Allergy and Clinical Immunology, 2006, 118, 269-276.	1.5	42
18	Laser microporation of the skin: prospects for painless application of protective and therapeutic vaccines. Expert Opinion on Drug Delivery, 2013, 10, 761-773.	2.4	42

#	Article	IF	Citations
19	Removal of the circumsporozoite protein (CSP) glycosylphosphatidylinositol signal sequence from a CSP DNA vaccine enhances induction of CSP-specific Th2 type immune responses and improvesprotection against malaria infection. European Journal of Immunology, 2001, 31, 692-698.	1.6	40
20	Allergen microarray detects high prevalence of asymptomatic IgE sensitizations to tropical pollen-derived carbohydrates. Journal of Allergy and Clinical Immunology, 2014, 133, 910-914.e5.	1.5	40
21	Skin vaccination via fractional infrared laser ablation - Optimization of laser-parameters and adjuvantation. Vaccine, 2017, 35, 1802-1809.	1.7	39
22	A DNA vaccine encoding the outer surface protein C from Borrelia burgdorferi is able to induce protective immune responses. Microbes and Infection, 2003, 5, 939-946.	1.0	38
23	mRNA vaccination as a safe approach for specific protection from type I allergy. Expert Review of Vaccines, 2012, 11, 55-67.	2.0	38
24	C3d binding to the circumsporozoite protein carboxy-terminus deviates immunity against malaria. International Immunology, 2005, 17, 245-255.	1.8	37
25	Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization. Journal of Allergy and Clinical Immunology, 2006, 118, 734-741.	1.5	37
26	Generation of hypoallergenic neoglycoconjugates for dendritic cell targeted vaccination: A novel tool for specific immunotherapy. Journal of Controlled Release, 2013, 165, 101-109.	4.8	36
27	Is Genetic Vaccination against Allergy Possible?. International Archives of Allergy and Immunology, 2006, 139, 332-345.	0.9	35
28	Î±-Purothionin, a new wheat allergen associated with severe allergy. Journal of Allergy and Clinical Immunology, 2013, 132, 1000-1003.e4.	1.5	34
29	Altered IgE epitope presentation: A model for hypoallergenic activity revealed for Bet v 1 trimer. Molecular Immunology, 2011, 48, 431-441.	1.0	33
30	Context matters: TH2 polarization resulting from pollen composition and not from protein-intrinsic allergenicity. Journal of Allergy and Clinical Immunology, 2018, 142, 984-987.e6.	1.5	33
31	DNA vaccines for allergy treatment. Methods, 2004, 32, 328-339.	1.9	31
32	Prophylactic mRNA vaccination against allergy. Current Opinion in Allergy and Clinical Immunology, 2010, 10, 567-574.	1.1	31
33	Synergistic effects of dendritic cell targeting and laser-microporation on enhancing epicutaneous skin vaccination efficacy. Journal of Controlled Release, 2017, 266, 87-99.	4.8	31
34	A Hypoallergenic Vaccine Obtained by Tail-to-Head Restructuring of Timothy Grass Pollen Profilin, Phl p 12, for the Treatment of Cross-Sensitization to Profilin. Journal of Immunology, 2007, 179, 7624-7634.	0.4	27
35	Allergy Enhances Neurogenesis and Modulates Microglial Activation in the Hippocampus. Frontiers in Cellular Neuroscience, 2016, 10, 169.	1.8	27
36	Improvement of the immune response against plasmid DNA encoding OspC of Borrelia by an ER-targeting leader sequence. Vaccine, 1999, 18, 815-824.	1.7	25

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37	Effect of structural stability on endolysosomal degradation and Tâ€cell reactivity of major shrimp allergen tropomyosin. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2909-2919.	2.7	25
38	The influence of antigen targeting to sub-cellular compartments on the anti-allergic potential of a DNA vaccine. Vaccine, 2013, 31, 6113-6121.	1.7	24
39	Design of Protective and Therapeutic DNA Vaccines for the Treatment of Allergic Diseases. Inflammation and Allergy: Drug Targets, 2005, 4, 585-597.	3.1	21
40	Gene gun immunization with clinically relevant allergens aggravates allergen induced pathology and is contraindicated for allergen immunotherapy. Molecular Immunology, 2007, 44, 1879-1887.	1.0	20
41	Functionalized multifunctional nanovaccine for targeting dendritic cells and modulation of immune response. International Journal of Pharmaceutics, 2021, 593, 120123.	2.6	18
42	New approaches to transcutaneous immunotherapy. Current Opinion in Allergy and Clinical Immunology, 2013, 13, 669-676.	1.1	17
43	Laserâ€facilitated epicutaneous immunotherapy with hypoallergenic betaâ€glucan neoglycoconjugates suppresses lung inflammation and avoids local side effects in a mouse model of allergic asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 210-222.	2.7	17
44	Allergens are not pathogens. Human Vaccines and Immunotherapeutics, 2014, 10, 703-707.	1.4	15
45	Epidermal inoculation of Leishmania-antigen by gold bombardment results in a chronic form of leishmaniasis. Vaccine, 2007, 25, 25-33.	1.7	12
46	Evaluation of modified Interferon alpha mRNA constructs for the treatment of non-melanoma skin cancer. Scientific Reports, 2018, 8, 12954.	1.6	12
47	Laserâ€facilitated epicutaneous immunotherapy with depigmented house dust mite extract alleviates allergic responses in a mouse model of allergic lung inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1217-1228.	2.7	12
48	DNA immunization is associated with increased activity of type I iodothyronine 5â€²-deiodinase in mouse liver. Molecular and Cellular Endocrinology, 1999, 152, 85-89.	1.6	11
49	Potential of nanoparticles for allergen-specific immunotherapy â€“ use of silica nanoparticles as vaccination platform. Expert Opinion on Drug Delivery, 2016, 13, 1777-1788.	2.4	11
50	In silico Design of Phl p 6 Variants With Altered Fold-Stability Significantly Impacts Antigen Processing, Immunogenicity and Immune Polarization. Frontiers in Immunology, 2020, 11, 1824.	2.2	8
51	Replicase-Based DNA Vaccines for Allergy Treatment. , 2006, 127, 221-236.		7
52	Differential effects of C3d on the immunogenicity of gene gun vaccines encoding Plasmodium falciparum and Plasmodium berghei MSP142. Vaccine, 2010, 28, 4515-4522.	1.7	7
53	Polymeric Structure and Host Toll-like Receptor 4 Dictate Immunogenicity of NY-ESO-1 Antigen in Vivo. Journal of Biological Chemistry, 2011, 286, 37077-37084.	1.6	7
54	DNA Vaccines for Allergy Treatment. , 2006, 127, 253-268.		6

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55	Treatment of 1-methyl-1-nitrosourea-induced mammary tumours with immunostimulatory CpG motifs and 13-cis retinoic acid in female rats: histopathological study. Experimental and Toxicologic Pathology, 2003, 55, 173-179.	2.1	5
56	Genetic vaccination approaches against malaria based on the circumsporozoite protein. Wiener Klinische Wochenschrift, 2006, 118, 9-17.	1.0	5
57	What is the antiallergic potential of DNA vaccination?. Immunotherapy, 2015, 7, 587-590.	1.0	5
58	DNA immunization in vivo down-regulates nuclear all-trans retinoic acid receptors in mouse spleen cells. Molecular and Cellular Endocrinology, 2000, 165, 107-113.	1.6	3
59	T Cell Epitopes of the Timothy Grass Pollen Allergen Phl p 5 of Mice and Men and the Detection of Allergen-Specific T Cells Using Class II Ultimers. International Archives of Allergy and Immunology, 2012, 158, 326-334.	0.9	3
60	Natural protective immunity against grass pollen allergy is maintained byÂa diverse spectrum of response types. Journal of Allergy and Clinical Immunology, 2017, 140, 1746-1749.e11.	1.5	3
61	Mast cells and Î³Î´ T cells are largely dispensable for adaptive immune responses after laser-mediated epicutaneous immunization. Vaccine, 2020, 38, 1015-1024.	1.7	3
62	Generation and Evaluation of Prophylactic mRNA Vaccines Against Allergy. Methods in Molecular Biology, 2017, 1499, 123-139.	0.4	3
63	Protective and Therapeutic DNA Vaccination Against Allergic Diseases. Methods in Molecular Biology, 2014, 1143, 243-258.	0.4	2
64	Systemic Immune Profile Predicts the Development of Infections in Patients with Spinal Cord Injuries. Journal of Neurotrauma, 2022, 39, 1678-1686.	1.7	2
65	DNA and RNA Vaccines for Prophylactic and Therapeutic Treatment of Type I Allergy. , 2012, , 247-263.		1
66	Laser facilitated epicutaneous peptide immunization using dry patch technology. Vaccine, 2021, 39, 5259-5264.	1.7	1
67	General Mechanisms of Gene Vaccines. , 2012, , 1-35.		0
68	Laser-facilitated epicutaneous immunization of mice with SARS-CoV-2 spike protein induces antibodies inhibiting spike/ACE2 binding. Vaccine, 2021, 39, 4399-4403.	1.7	0
69	Protein Antigen Delivery by Gene Gun-Mediated Epidermal Antigen Incorporation (EAI). , 2013, 940, 401-411.		0