Stephan von Gunten

List of Publications by Year
in descending order

77	3,418	172457 29	149698 56
papers	citations	h-index	g-index

77	77	77	3936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interactions between Siglec-7/9 receptors and ligands influence NK cellâ€“dependent tumor immunosurveillance. Journal of Clinical Investigation, 2014, 124, 1810-1820.	8.2	340
2	Self-associated molecular patterns mediate cancer immune evasion by engaging Siglecs on T cells. Journal of Clinical Investigation, 2018, 128, 4912-4923.	8.2	214
3	Siglec-9 transduces apoptotic and nonapoptotic death signals into neutrophils depending on the proinflammatory cytokine environment. Blood, 2005, 106, 1423-1431.	1.4	212
4	Microbial glycan microarrays define key features of host-microbial interactions. Nature Chemical Biology, 2014, 10, 470-476.	8.0	191
5	Basic and Clinical Immunology of Siglecs. Annals of the New York Academy of Sciences, 2008, 1143, 61-82.	3.8	144
6	Inhibition of FcÎµRI-dependent mediator release and calcium flux from human mast cells by sialic acidâ€“binding immunoglobulin-like lectin 8 engagement. Journal of Allergy and Clinical Immunology, 2008, 121, 499-505.e1.	2.9	144
7	Immunologic and functional evidence for antiâ€“Siglec-9 autoantibodies in intravenous immunoglobulin preparations. Blood, 2006, 108, 4255-4259.	1.4	120
8	Targeting sialic acidâ€“Siglec interactions to reverse immune suppression in cancer. Glycobiology, 2018, 28, 640-647.	2.5	115
9	Cancer intelligence acquired (CIA): tumor glycosylation and sialylation codes dismantling antitumor defense. Cellular and Molecular Life Sciences, 2015, 72, 1231-1248.	5.4	99
10	Intravenous immunoglobulin preparations contain antiâ€“Siglec-8 autoantibodies. Journal of Allergy and Clinical Immunology, 2007, 119, 1005-1011.	2.9	97
11	Siglec-9 Regulates an Effector Memory CD8+ T-cell Subset That Congregates in the Melanoma Tumor Microenvironment. Cancer Immunology Research, 2019, 7, 707-718.	3.4	94
12	Intravenous immunoglobulin contains a broad repertoire of anticarbohydrate antibodies that is not restricted to the IgG2 subclass. Journal of Allergy and Clinical Immunology, 2009, 123, 1268-1276.e15.	2.9	89
13	Concurrent presence of agonistic and antagonistic anti-CD95 autoantibodies in intravenous Ig preparations. Journal of Allergy and Clinical Immunology, 2003, 112, 1185-1190.	2.9	88
14	The human IgG anti-carbohydrate repertoire exhibits a universal architecture and contains specificity for microbial attachment sites. Science Translational Medicine, 2015, 7, 269ra1.	12.4	87
15	Cell Death Modulation by Intravenous Immunoglobulin. Journal of Clinical Immunology, 2010, 30, 24-30.	3.8	81
16	Targeting Siglecsâ€”A novel pharmacological strategy for immuno- and glycotherapy. Biochemical Pharmacology, 2011, 82, 323-332.	4.4	81
17	IVIG pluripotency and the concept of Fc-sialylation: challenges to the scientist. Nature Reviews Immunology, 2014, 14, 349-349.	22.7	68
18	The European Hematology Association Roadmap for European Hematology Research: a consensus document. Haematologica, 2016, 101, 115-208.	3.5	67

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19	Basophils exhibit antibacterial activity through extracellular trap formation. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1184-1188.	5.7	66
20	Human IgA binds a diverse array of commensal bacteria. Journal of Experimental Medicine, 2020, 217, .	8.5	65
21	Parallelism of intestinal secretory IgA shapes functional microbial fitness. Nature, 2021, 598, 657-661.	27.8	60
22	Natural anti-Siglec autoantibodies mediate potential immunoregulatory mechanisms: Implications for the clinical use of intravenous immunoglobulins (IVIg). Autoimmunity Reviews, 2008, 7, 453-456.	5.8	58
23	Alginate-coated chitosan nanogel capacity to modulate the effect of TLR ligands on blood dendritic cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 806-817.	3.3	43
24	Dimeric IVIG contains natural anti-Siglec-9 autoantibodies and their anti-idiotypes. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1030-1037.	5.7	41
25	A Differential Concentration-Dependent Effect of IVIg on Neutrophil Functions: Relevance for Anti-Microbial and Anti-Inflammatory Mechanisms. PLoS ONE, 2011, 6, e26469.	2.5	38
26	IVIG regulates the survival of human but not mouse neutrophils. Scientific Reports, 2017, 7, 1296.	3.3	38
27	Sialic acid binding immunoglobulinâ€like lectins may regulate innate immune responses by modulating the life span of granulocytes. FASEB Journal, 2006, 20, 601-605.	0.5	37
28	Synchrotron microbeam irradiation induces neutrophil infiltration, thrombocyte attachment and selective vascular damage in vivo. Scientific Reports, 2016, 6, 33601.	3.3	37
29	Antibodies recognising sulfated carbohydrates are prevalent in systemic sclerosis and associated with pulmonary vascular disease. Annals of the Rheumatic Diseases, 2011, 70, 2218-2224.	0.9	36
30	The Distinct Roles of Sialyltransferases in Cancer Biology and Onco-Immunology. Frontiers in Immunology, 2021, 12, 799861.	4.8	36
31	Human IgA Fc Receptor FcÎ±RI (CD89) Triggers Different Forms of Neutrophil Death Depending on the Inflammatory Microenvironment. Journal of Immunology, 2014, 193, 5649-5659.	0.8	32
32	The Interleukin-13 Production by Peripheral Blood T Cells from Atopic Dermatitis Patients Does Not Require CD2 Costimulation. International Archives of Allergy and Immunology, 2003, 132, 148-155.	2.1	30
33	Autophagic-Like Cell Death in Neutrophils Induced by Autoantibodies. Autophagy, 2007, 3, 67-68.	9.1	30
34	Glycomic analysis of human mast cells, eosinophils and basophils. Glycobiology, 2012, 22, 12-22.	2.5	27
35	The Potential Use of Pharmacological Agents to Modulate Orthodontic Tooth Movement (OTM). Frontiers in Physiology, 2017, 8, 67.	2.8	27
36	Intravenous Immunoglobulin with Enhanced Polyspecificity Improves Survival in Experimental Sepsis and Aseptic Systemic Inflammatory Response Syndromes. Molecular Medicine, 2015, 21, 1002-1010.	4.4	24

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37	DIFFERENT PATTERNS OF SIGLEC-9-MEDIATED NEUTROPHIL DEATH RESPONSES IN SEPTIC SHOCK. Shock, 2009, 32, 386-392.	2.1	23
38	Clinical Use and Therapeutic Potential of IVIG/SCIG, Plasma-Derived IgA or IgM, and Other Alternative Immunoglobulin Preparations. Archivum Immunologiae Et Therapiae Experimentalis, 2017, 65, 215-231.	2.3	23
39	Antitumor effects of the GM3(Neu5Gc) ganglioside-specific humanized antibody 14F7hT against Cmah-transfected cancer cells. Scientific Reports, 2019, 9, 9921.	3.3	23
40	Granulocyte death mediated by specific antibodies in intravenous immunoglobulin (IVIG). Pharmacological Research, 2020, 154, 104168.	7.1	20
41	Arginaseâ€II promotes melanoma migration and adhesion through enhancing hydrogen peroxide production and STAT3 signaling. Journal of Cellular Physiology, 2020, 235, 9997-10011.	4.1	20
42	The architecture of the IgG anti-carbohydrate repertoire in primary antibody deficiencies. Blood, 2019, 134, 1941-1950.	1.4	19
43	Antibody repertoire profiling with mimotope arrays. Human Vaccines and Immunotherapeutics, 2017, 13, 314-322.	3.3	18
44	Unique repertoire of anti-carbohydrate antibodies in individual human serum. Scientific Reports, 2020, 10, 15436.	3.3	18
45	Mechanisms and potential therapeutic targets in allergic inflammation: recent insights. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 1487-1498.	5.7	17
46	Allergy and Atopic Diseases: An Update on Experimental Evidence. International Archives of Allergy and Immunology, 2019, 180, 235-243.	2.1	17
47	Targeting sialylation to treat central nervous system diseases. Trends in Pharmacological Sciences, 2021, 42, 998-1008.	8.7	15
48	A Cartography of Siglecs and Sialyltransferases in Gynecologic Malignancies: Is There a Road Towards a Sweet Future?. Frontiers in Oncology, 2018, 8, 68.	2.8	14
49	The Future of Pharmacology: Towards More Personalized Pharmacotherapy and Reverse Translational Research. Pharmacology, 2020, 105, 1-2.	2.2	13
50	Cell Death in Immune Thrombocytopenia: Novel Insights and Perspectives. Seminars in Hematology, 2013, 50, S109-S115.	3.4	12
51	Differential Recognition of Diet-Derived Neu5Gc-Neoantigens on Glycan Microarrays by Carbohydrate-Specific Pooled Human IgG and IgA Antibodies. Bioconjugate Chemistry, 2019, 30, 1565-1574.	3.6	12
52	Glycan-specific IgG anti-IgE autoantibodies are protective against allergic anaphylaxis in a murine model. Journal of Allergy and Clinical Immunology, 2021, 147, 1430-1441.	2.9	11
53	Protection from experimental autoimmune encephalomyelitis by polyclonal IgG requires adjuvant-induced inflammation. Journal of Neuroinflammation, 2016, 13, 42.	7.2	8
54	Granulocyte Death Regulation by Naturally Occurring Autoantibodies. Advances in Experimental Medicine and Biology, 2012, 750, 157-172.	1.6	7

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55	Update in clinical allergy and immunology. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 1491-1500.	5.7	6
56	Xenogeneic Neu5Gc and self-glycan Neu5Ac epitopes are potential immune targets in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	6.0	6
57	Therapeutic antibody glycosylation impacts antigen recognition and immunogenicity. Immunology, 2022, 166, 380-407.	4.4	6
58	Isolation of Antibodies from Human Plasma, Saliva, Breast Milk, and Gastrointestinal Fluid. Methods in Molecular Biology, 2017, 1643, 23-31.	0.9	5
59	Evaluation of Radiolabeled Girentuximab In Vitro and In Vivo. Pharmaceuticals, 2018, 11, 132.	3.8	5
60	Glucocorticoids â€˜on airâ€™. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 144-146.	5.7	4
61	Protein-glycan interactions as targets of intravenous/subcutaneous immunoglobulin (IVIg/SCIg) preparations. Clinical and Experimental Immunology, 2014, 178, 151-152.	2.6	4
62	Recent Advances in Experimental Allergy. International Archives of Allergy and Immunology, 2018, 177, 281-289.	2.1	4
63	IgA Triggers Cell Death of Neutrophils When Primed by Inflammatory Mediators. Journal of Immunology, 2020, 205, 2640-2648.	0.8	4
64	Enhanced Pro-apoptotic Effects of Fe(II)-Modified IVIG on Human Neutrophils. Frontiers in Immunology, 2020, 11, 973.	4.8	4
65	Digest the Sugar, Kill the Parasite: A New Experimental Concept in Treating Alveolar Echinococcosis. Pharmacology, 2021, 106, 3-8.	2.2	4
66	Lack of IRF6 Disrupts Human Epithelial Homeostasis by Altering Colony Morphology, Migration Pattern, and Differentiation Potential of Keratinocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 718066.	3.7	4
67	Expression and Function of Siglec-8 in Human Eosinophils, Basophils, and Mast Cells. , 2009, , 297-313.		3
68	Micro<scp>RNA</scp>â€155: microtuning the allergic concert. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1035-1036.	5.7	3
69	Innate lymphoid cells in asthma: cannabinoids on the balance. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 839-841.	5.7	3
70	Immune biomarker-based enrichment in sepsis trials. Critical Care, 2020, 24, 58.	5.8	2
71	Targeting the Laminated Layer of Echinococcus multilocularis as a Potential Therapeutic Strategy. Pharmacology, 2021, 106, 1-2.	2.2	2
72	Linking glucocorticoid-induced osteoporosis to osteoimmunology. Cell Death and Disease, 2020, 11, 1026.	6.3	1

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73	Inflamm-Aging: Arginase-II as Stage Setter in Age-Related Adipose Tissue Inflammation. Pharmacology, 2020, 105, 489-490.	2.2	1
74	Diversification of IgA Antibody Specificities by Mild Chemical Modification?. Pharmacology, 2022, , 1-2.	2.2	1
75	Basics of Immunoglobulins as Effector Molecules and Drugs. , 2018, , 133-150.		0
76	Secondary-Type Carbohydrate Modification as a Driver of Epithelial-Mesenchymal Transition and Features of Cancer Stem Cells. Pharmacology, 2020, 105, 244-245.	2.2	0
77	CD Molecules. , 2014, , 1663-1687.		0