

Falk Nimmerjahn

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116
papers

13,385
citations

47
h-index

115
g-index

128
ext. papers

15,562
ext. citations

12.6
avg, IF

6.86
L-index

#	Paper	IF	Citations
116	Fcγ receptors as regulators of immune responses. <i>Nature Reviews Immunology</i> , 2008 , 8, 34-47	36.5	1961
115	Anti-inflammatory activity of immunoglobulin G resulting from Fc sialylation. <i>Science</i> , 2006 , 313, 670-3	33.3	1331
114	Fcγ receptors: old friends and new family members. <i>Immunity</i> , 2006 , 24, 19-28	32.3	862
113	Divergent immunoglobulin g subclass activity through selective Fc receptor binding. <i>Science</i> , 2005 , 310, 1510-2	33.3	788
112	Recapitulation of IVIG anti-inflammatory activity with a recombinant IgG Fc. <i>Science</i> , 2008 , 320, 373-6	33.3	640
111	Intravenous immunoglobulin therapy: how does IgG modulate the immune system?. <i>Nature Reviews Immunology</i> , 2013 , 13, 176-89	36.5	549
110	Fcγ ₄ R: a novel FcR with distinct IgG subclass specificity. <i>Immunity</i> , 2005 , 23, 41-51	32.3	521
109	Induction of osteoclastogenesis and bone loss by human autoantibodies against citrullinated vimentin. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1791-802	15.9	472
108	Anti-inflammatory actions of intravenous immunoglobulin. <i>Annual Review of Immunology</i> , 2008 , 26, 513-54	34.7	430
107	Anti-inflammatory activity of IgG1 mediated by Fc galactosylation and association of Fcγ ₂ and dectin-1. <i>Nature Medicine</i> , 2012 , 18, 1401-6	50.5	311
106	Fc-receptors as regulators of immunity. <i>Advances in Immunology</i> , 2007 , 96, 179-204	5.6	289
105	The antiinflammatory activity of IgG: the intravenous IgG paradox. <i>Journal of Experimental Medicine</i> , 2007 , 204, 11-5	16.6	223
104	Mechanisms of Autoantibody-Induced Pathology. <i>Frontiers in Immunology</i> , 2017 , 8, 603	8.4	218
103	Antibody-mediated modulation of immune responses. <i>Immunological Reviews</i> , 2010 , 236, 265-75	11.3	217
102	Antibody isotype-specific engagement of Fcγ receptors regulates B lymphocyte depletion during CD20 immunotherapy. <i>Journal of Experimental Medicine</i> , 2006 , 203, 743-53	16.6	211
101	Pathology and protection in nephrotoxic nephritis is determined by selective engagement of specific Fc receptors. <i>Journal of Experimental Medicine</i> , 2006 , 203, 789-97	16.6	206
100	Agalactosylated IgG antibodies depend on cellular Fc receptors for in vivo activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8433-7	11.5	201

99	Antibodies, Fc receptors and cancer. <i>Current Opinion in Immunology</i> , 2007 , 19, 239-45	7.8	197
98	Impaired inhibitory Fcγ receptor IIB expression on B cells in chronic inflammatory demyelinating polyneuropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4788-92	11.5	196
97	Regulation of autoantibody activity by the IL-23-T17 axis determines the onset of autoimmune disease. <i>Nature Immunology</i> , 2017 , 18, 104-113	19.1	187
96	Impact of immune complex size and glycosylation on IgG binding to human FcRs. <i>Journal of Immunology</i> , 2013 , 190, 4315-23	5.3	179
95	Intravenous immunoglobulin in neurology--mode of action and clinical efficacy. <i>Nature Reviews Neurology</i> , 2015 , 11, 80-9	15	174
94	Glycosylation of immunoglobulin G determines osteoclast differentiation and bone loss. <i>Nature Communications</i> , 2015 , 6, 6651	17.4	165
93	Controlled tetra-Fc sialylation of IVIg results in a drug candidate with consistent enhanced anti-inflammatory activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1297-306	11.5	144
92	FcγIV deletion reveals its central role for IgG2a and IgG2b activity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19396-401	11.5	136
91	Catchup: a mouse model for imaging-based tracking and modulation of neutrophil granulocytes. <i>Nature Methods</i> , 2015 , 12, 445-52	21.6	128
90	Inflammatory monocytes and Fcγ receptor IV on osteoclasts are critical for bone destruction during inflammatory arthritis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10729-34	11.5	123
89	FcRs in health and disease. <i>Current Topics in Microbiology and Immunology</i> , 2011 , 350, 105-25	3.3	117
88	FcR dependent mechanisms of cytotoxic, agonistic, and neutralizing antibody activities. <i>Trends in Immunology</i> , 2015 , 36, 325-36	14.4	114
87	Monocyte subsets responsible for immunoglobulin G-dependent effector functions in vivo. <i>Immunity</i> , 2011 , 35, 932-44	32.3	112
86	Immune Monitoring of Trans-endothelial Transport by Kidney-Resident Macrophages. <i>Cell</i> , 2016 , 166, 991-1003	56.2	110
85	Human lymphoid organ dendritic cell identity is predominantly dictated by ontogeny, not tissue microenvironment. <i>Science Immunology</i> , 2016 , 1,	28	92
84	Differential antibody glycosylation in autoimmunity: sweet biomarker or modulator of disease activity?. <i>Nature Reviews Rheumatology</i> , 2017 , 13, 621-630	8.1	89
83	IgG Fc domains that bind C1q but not effector Fcγ receptors delineate the importance of complement-mediated effector functions. <i>Nature Immunology</i> , 2017 , 18, 889-898	19.1	85
82	Broad requirement for terminal sialic acid residues and FcγRIIB for the preventive and therapeutic activity of intravenous immunoglobulins in vivo. <i>European Journal of Immunology</i> , 2014 , 44, 1444-53	6.1	85

81	IVIg-mediated amelioration of ITP in mice is dependent on sialic acid and SIGNR1. <i>European Journal of Immunology</i> , 2012 , 42, 826-30	6.1	84
80	Basophil-mediated protection against gastrointestinal helminths requires IgE-induced cytokine secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5169-77	11.5	71
79	Genetic identification and functional validation of Fc γ RIV as key molecule in autoantibody-induced tissue injury. <i>Journal of Pathology</i> , 2012 , 228, 8-19	9.4	68
78	Fc γ receptor IIB (Fc γ R IIB) maintains humoral tolerance in the human immune system in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18772-7	11.5	56
77	Translating basic mechanisms of IgG effector activity into next generation cancer therapies. <i>Cancer Immunity</i> , 2012 , 12, 13		56
76	CLEC10A Is a Specific Marker for Human CD1c Dendritic Cells and Enhances Their Toll-Like Receptor 7/8-Induced Cytokine Secretion. <i>Frontiers in Immunology</i> , 2018 , 9, 744	8.4	54
75	Hierarchical and Redundant Roles of Activating Fc γ Rs in Protection against Influenza Disease by M2e-Specific IgG1 and IgG2a Antibodies. <i>Journal of Virology</i> , 2017 , 91,	6.6	50
74	A Monosaccharide Residue Is Sufficient to Maintain Mouse and Human IgG Subclass Activity and Directs IgG Effector Functions to Cellular Fc Receptors. <i>Cell Reports</i> , 2015 , 13, 2376-2385	10.6	50
73	Tumor location determines tissue-specific recruitment of tumor-associated macrophages and antibody-dependent immunotherapy response. <i>Science Immunology</i> , 2017 , 2,	28	48
72	Fc γ receptors III and IV mediate tissue destruction in a novel adult mouse model of bullous pemphigoid. <i>American Journal of Pathology</i> , 2014 , 184, 2185-96	5.8	48
71	Suppression of Fc γ receptor-mediated antibody effector function during persistent viral infection. <i>Immunity</i> , 2015 , 42, 379-390	32.3	48
70	Elucidating the interplay between IgG-Fc valency and Fc γ R activation for the design of immune complex inhibitors. <i>Science Translational Medicine</i> , 2016 , 8, 365ra158	17.5	47
69	Antigen delivery to CD11c+CD8- dendritic cells induces protective immune responses against experimental melanoma in mice in vivo. <i>Journal of Immunology</i> , 2014 , 192, 5830-8	5.3	43
68	Of mice and men: the need for humanized mouse models to study human IgG activity in vivo. <i>Journal of Clinical Immunology</i> , 2013 , 33 Suppl 1, S4-8	5.7	43
67	Role of sialylation in the anti-inflammatory activity of intravenous immunoglobulin - F(ab) γ 2 versus Fc sialylation. <i>Clinical and Experimental Immunology</i> , 2014 , 178 Suppl 1, 97-9	6.2	39
66	DC subset-specific induction of T cell responses upon antigen uptake via Fc γ receptors in vivo. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1509-1528	16.6	33
65	B cells and CD22 are dispensable for the immediate antiinflammatory activity of intravenous immunoglobulins in vivo. <i>European Journal of Immunology</i> , 2012 , 42, 3302-9	6.1	32
64	A humanized mouse identifies the bone marrow as a niche with low therapeutic IgG activity. <i>Cell Reports</i> , 2014 , 7, 236-48	10.6	31

63	B cells are critical for autoimmune pathology in Scurfy mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19042-7	11.5	31
62	How immunoglobulin G antibodies kill target cells: revisiting an old paradigm. <i>Advances in Immunology</i> , 2014 , 124, 67-94	5.6	29
61	The Pathogenicity of Anti- α GP1-IgG Autoantibodies Depends on Fc Glycosylation. <i>Journal of Immunology Research</i> , 2015 , 2015, 638129	4.5	29
60	Trehalose dimycolate interferes with Fc γ R-mediated phagosome maturation through Mincle, SHP-1 and Fc γ R1B signalling. <i>PLoS ONE</i> , 2017 , 12, e0174973	3.7	28
59	Pathways Responsible for Human Autoantibody and Therapeutic Intravenous IgG Activity in Humanized Mice. <i>Cell Reports</i> , 2015 , 13, 610-620	10.6	27
58	There Is (Scientific) Strength in Numbers: A Comprehensive Quantitation of Fc Gamma Receptor Numbers on Human and Murine Peripheral Blood Leukocytes. <i>Frontiers in Immunology</i> , 2020 , 11, 118	8.4	25
57	High-resolution definition of humoral immune response correlates of effective immunity against HIV. <i>Molecular Systems Biology</i> , 2018 , 14, e7881	12.2	25
56	IgG subclass and vaccination stimulus determine changes in antigen specific antibody glycosylation in mice. <i>European Journal of Immunology</i> , 2017 , 47, 2070-2079	6.1	23
55	Sialylation of anti-histone immunoglobulin G autoantibodies determines their capabilities to participate in the clearance of late apoptotic cells. <i>Clinical and Experimental Immunology</i> , 2016 , 184, 110-7 ^{6.2}	6.2	23
54	B-cell inhibition by cross-linking CD79b is superior to B-cell depletion with anti-CD20 antibodies in treating murine collagen-induced arthritis. <i>European Journal of Immunology</i> , 2015 , 45, 705-15	6.1	20
53	Clarifying the Confusion between Cytokine and Fc Receptor "Common Gamma Chain". <i>Immunity</i> , 2016 , 45, 225-6	32.3	20
52	Effects of intravenous immunoglobulins on mice with experimental epidermolysis bullosa acquisita. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 768-775	4.3	19
51	Ethanol consumption inhibits T cell responses and the development of autoimmune arthritis. <i>Nature Communications</i> , 2020 , 11, 1998	17.4	18
50	Sweet SIGNs: IgG glycosylation leads the way in IVIG-mediated resolution of inflammation. <i>International Immunology</i> , 2017 , 29, 499-509	4.9	18
49	Reply to - IVIG pluripotency and the concept of Fc-sialylation: challenges to the scientist. <i>Nature Reviews Immunology</i> , 2014 , 14, 349	36.5	17
48	blgG time for large eaters: monocytes and macrophages as effector and target cells of antibody-mediated immune activation and repression. <i>Immunological Reviews</i> , 2015 , 268, 52-65	11.3	16
47	Dissecting the mechanism of action of intravenous immunoglobulin in human autoimmune disease: Lessons from therapeutic modalities targeting Fc γ receptors. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 492-500	11.5	15
46	Select hyperactivating NLRP3 ligands enhance the T1- and T17-inducing potential of human type 2 conventional dendritic cells. <i>Science Signaling</i> , 2021 , 14,	8.8	15

45	Specific Inhibition of Complement Activation Significantly Ameliorates Autoimmune Blistering Disease in Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 535	8.4	14
44	Three blocks are not enough--Blocking of the murine IgG receptor Fc γ IV is crucial for proper characterization of cells by FACS analysis. <i>European Journal of Immunology</i> , 2015 , 45, 2694-7	6.1	14
43	LILR-B1 blocks activating Fc γ signaling to allow antibody dependent enhancement of dengue virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2404-5	11.5	14
42	IL-15 enhances the anti-tumor activity of trastuzumab against breast cancer cells but causes fatal side effects in humanized tumor mice (HTM). <i>Oncotarget</i> , 2017 , 8, 2731-2744	3.3	14
41	Expression and function of the inhibitory Fc γ receptor in CIDP. <i>Journal of the Peripheral Nervous System</i> , 2011 , 16 Suppl 1, 41-4	4.7	12
40	Immunomodulation in Primary Immune Thrombocytopenia: A Possible Role of the Fc Fragment of Romiplostim?. <i>Frontiers in Immunology</i> , 2019 , 10, 1196	8.4	11
39	Eosinophils Mediate Basophil-Dependent Allergic Skin Inflammation in Mice. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 1957-1965.e2	4.3	11
38	In vivo enzymatic modulation of IgG antibodies prevents immune complex-dependent skin injury. <i>Experimental Dermatology</i> , 2017 , 26, 691-696	4	11
37	Deregulated Fc γ receptor expression in patients with CIDP. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2015 , 2, e148	9.1	10
36	Minimal B Cell Extrinsic IgG Glycan Modifications of Pro- and Anti-Inflammatory IgG Preparations. <i>Frontiers in Immunology</i> , 2019 , 10, 3024	8.4	10
35	Enhanced uptake of blood coagulation factor VIII containing immune complexes by antigen presenting cells. <i>Journal of Thrombosis and Haemostasis</i> , 2017 , 15, 329-340	15.4	9
34	Translating Inhibitory Fc Receptor Biology into Novel Therapeutic Approaches. <i>Journal of Clinical Immunology</i> , 2016 , 36 Suppl 1, 83-7	5.7	8
33	The Immunological Organ Environment Dictates the Molecular and Cellular Pathways of Cytotoxic Antibody Activity. <i>Cell Reports</i> , 2019 , 29, 3033-3046.e4	10.6	8
32	Releasing the brakes: targeting Fc γ IIIB on B cells to enhance antibody-dependent lymphoma immunotherapy. <i>Cancer Cell</i> , 2015 , 27, 427-8	24.3	6
31	Detection of Experimental and Clinical Immune Complexes by Measuring SHIP-1 Recruitment to the Inhibitory Fc γ IIIB. <i>Journal of Immunology</i> , 2018 , 200, 1937-1950	5.3	6
30	IgG-Independent Co-aggregation of Fc γ I and Fc γ IIIB Results in LYN- and SHIP1-Dependent Tyrosine Phosphorylation of Fc γ IIIB in Murine Bone Marrow-Derived Mast Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 1937	8.4	6
29	No need for constant help: human IgG2 antibodies have an autonomous agonistic activity for immunotherapy of cancer. <i>Cancer Cell</i> , 2015 , 27, 10-1	24.3	5
28	The Tumor Milieu Promotes Functional Human Tumor-Resident Plasmacytoid Dendritic Cells in Humanized Mouse Models. <i>Frontiers in Immunology</i> , 2020 , 11, 2082	8.4	5

27	Four keys to unlock IgG. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	5
26	Fc-gamma receptors are not involved in cartilage damage during experimental osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 1221-5	6.2	4
25	Fc-Linked IgG -Glycosylation in FcR Knock-Out Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 67	5.7	4
24	FcR Receptor IIB Controls Skin Inflammation in an Active Model of Epidermolysis Bullosa Acquisita. <i>Frontiers in Immunology</i> , 2019 , 10, 3012	8.4	4
23	Unlocking the bone: FcR receptors and antibody glycosylation are keys to connecting bone homeostasis to humoral immunity. <i>Annals of Translational Medicine</i> , 2015 , 3, 163	3.2	4
22	Fra1 Controls Rheumatoid Factor Autoantibody Production by Bone Marrow Plasma Cells and the Development of Autoimmune Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 1352-1365	6.3	4
21	A constant threat for HIV: Fc-engineering to enhance broadly neutralizing antibody activity for immunotherapy of the acquired immunodeficiency syndrome. <i>European Journal of Immunology</i> , 2015 , 45, 2183-90	6.1	3
20	Two sequential layers of antibody-mediated control of Legionella pneumophila infection. <i>European Journal of Immunology</i> , 2019 , 49, 1415-1420	6.1	2
19	Keeping T-he Killers at Bay via FcRIIb. <i>Immunity</i> , 2020 , 52, 9-11	32.3	2
18	More Rules, Still Exceptions: Understanding Immunomodulatory Antibody Activity In Vivo. <i>Cancer Cell</i> , 2018 , 33, 545-546	24.3	2
17	Impact of FcR variants on the response to alemtuzumab in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 2586-2594	5.3	2
16	Human FcR Receptor IIB modulates pathogen-specific versus self-reactive antibody responses in lyme arthritis. <i>ELife</i> , 2020 , 9,	8.9	2
15	CD137 (4-1BB) stimulation leads to metabolic and functional reprogramming of human monocytes/macrophages enhancing their tumoricidal activity. <i>Leukemia</i> , 2021 , 35, 3482-3496	10.7	2
14	Neuraminidase Inhibitor Zanamivir Ameliorates Collagen-Induced Arthritis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
13	Next generation antibody-based therapies in neurology.. <i>Brain</i> , 2021 ,	11.2	2
12	Low-Dose Radiotherapy Leads to a Systemic Anti-Inflammatory Shift in the Pre-Clinical K/BxN Serum Transfer Model and Reduces Osteoarthritic Pain in Patients.. <i>Frontiers in Immunology</i> , 2021 , 12, 777792	8.4	1
11	Immunomodulation with Romiplostim in Young Adult Primary Immune Thrombocytopenia (ITP) As Second-Line Strategy (iROM-study). <i>Blood</i> , 2021 , 138, 3149-3149	2.2	1
10	A Phase II Study to Investigate the Efficacy and Safety of Eltrombopag in Combination with Dexamethasone As First-Line Treatment in Adult Patients with Newly Diagnosed Primary ITP (XPAG-ITP). <i>Blood</i> , 2020 , 136, 36-37	2.2	0

9	Low-Salt Diet Attenuates B-Cell- and Myeloid-Cell-Driven Experimental Arthritides by Affecting Innate as Well as Adaptive Immune Mechanisms.. <i>Frontiers in Immunology</i> , 2021 , 12, 765741	8.4	o
8	Sweet Rules: Linking Glycosylation to Antibody Function. <i>Experientia Supplementum (2012)</i> , 2021 , 112, 365-393	2.2	o
7	The Dual Targeting of FcRn and FcRs Monomeric Fc Fragments Results in Strong Inhibition of IgG-Dependent Autoimmune Pathologies. <i>Frontiers in Immunology</i> , 2021 , 12, 728322	8.4	o
6	Zooming in on dendritic cells for CD40 agonists.. <i>Nature Cancer</i> , 2022 , 3, 268-269	15.4	o
5	Determining immunoglobulin-specific B cell receptor repertoire of murine splenocytes by next-generation sequencing.. <i>STAR Protocols</i> , 2022 , 3, 101277	1.4	o
4	12/15-lipoxygenase orchestrates the clearance of apoptotic cells and maintains immunologic tolerance. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, A37.2-A37	2.4	
3	Mechanismen der IgG-Aktivität in der Therapie von Autoimmunität und Krebs. <i>Trillium Immunologie</i> , 2021 , 5, 156-159	o	
2	The Novel Bispecific Antibody [(CD20)2xCD16] Efficiently Triggers Lysis of Neoplastic B Cells. <i>Blood</i> , 2010 , 116, 2846-2846	2.2	
1	Immunomodulation of immunothrombocytopenia. <i>Seminars in Hematology</i> , 2016 , 53 Suppl 1, S10-2	4	