Alexander N R Weber

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	3,326 citations	32 h-index	57 g-index
79 ext. papers	4,202 ext. citations	7 avg, IF	5.07 L-index

#	Paper	IF	Citations
76	NLRP3 Phospho-residue Mapping by Phospho Dot Blots.. *Methods in Molecular Biology*, **2022**, 2459, 93-103	1.4	
75	NLRP3 Inflammasome Assembly in Neutrophils Is Supported by PAD4 and Promotes NETosis Under Sterile Conditions. *Frontiers in Immunology*, **2021**, 12, 683803	8.4	13
74	Absence of Non-Canonical, Inhibitory Splice Variants in B Cell Lymphomas Correlates With Sustained NF-B Signaling. *Frontiers in Immunology*, **2021**, 12, 616451	8.4	2
73	Platelets: Underestimated Regulators of Autoinflammation in Psoriasis. *Journal of Investigative Dermatology*, **2021**, 141, 1395-1403	4.3	1
72	The NLRP3 inflammasome drives inflammation in ischemia/reperfusion injury after transient middle cerebral artery occlusion in mice. *Brain, Behavior, and Immunity*, **2021**, 92, 223-233	16.6	38
71	Targeting the NLRP3 Inflammasome via BTK. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 630479	5.7	12
70	BTK operates a phospho-tyrosine switch to regulate NLRP3 inflammasome activity. *Journal of Experimental Medicine*, **2021**, 218,	16.6	9
69	A Genetic Variation of Lipopolysaccharide Binding Protein Affects the Inflammatory Response and Is Associated with Improved Outcome during Sepsis.. *ImmunoHorizons*, **2021**, 5, 972-982	2.7	
68	New variant in the IL1RN-gene (DIRA) associated with late-onset, CRMO-like presentation. *Rheumatology*, **2020**, 59, 3259-3263	3.9	4
67	Neutrophil extracellular trap-associated RNA and LL37 enable self-amplifying inflammation in psoriasis. *Nature Communications*, **2020**, 11, 105	17.4	55
66	Epistatic effect of TLR3 and cGAS-STING-IKK-TBK1-IFN signaling variants on colorectal cancer risk. *Cancer Medicine*, **2020**, 9, 1473-1484	4.8	6
65	Staphylococcus aureus Skin Colonization Is Enhanced by the Interaction of Neutrophil Extracellular Traps with Keratinocytes. *Journal of Investigative Dermatology*, **2020**, 140, 1054-1065.e4	4.3	17
64	Recent insights into the regulatory networks of NLRP3 inflammasome activation. *Journal of Cell Science*, **2020**, 133,	5.3	27
63	Platelets Aggregate With Neutrophils and Promote Skin Pathology in Psoriasis. *Frontiers in Immunology*, **2019**, 10, 1867	8.4	12
62	Putative link between Polo-like kinases (PLKs) and Toll-like receptor (TLR) signaling in transformed and primary human immune cells. *Scientific Reports*, **2019**, 9, 13168	4.9	2
61	Flagellin hypervariable region determines symbiotic properties of commensal Escherichia coli strains. *PLoS Biology*, **2019**, 17, e3000334	9.7	10
60	Crucial Role of Nucleic Acid Sensing via Endosomal Toll-Like Receptors for the Defense of and. *Frontiers in Immunology*, **2019**, 10, 198	8.4	6

59	A new synthetic toll-like receptor 1/2 ligand is an efficient adjuvant for peptide vaccination in a human volunteer **2019**, 7, 307		16
58	Examining Myddosome Formation by Luminescence-Based Mammalian Interactome Mapping (LUMIER). *Methods in Molecular Biology*, **2018**, 1714, 119-130	1.4	1
57	The NLR family pyrin domain-containing 11 protein contributes to the regulation of inflammatory signaling. *Journal of Biological Chemistry*, **2018**, 293, 2701-2710	5.4	14
56	Coding variants in NOD-like receptors: An association study on risk and survival of colorectal cancer. *PLoS ONE*, **2018**, 13, e0199350	3.7	5
55	HSP110 sustains chronic NF-B signaling in activated B-cell diffuse large B-cell lymphoma through MyD88 stabilization. *Blood*, **2018**, 132, 510-520	2.2	15
54	Investigation of single and synergic effects of NLRC5 and PD-L1 variants on the risk of colorectal cancer. *PLoS ONE*, **2018**, 13, e0192385	3.7	16
53	The fungal ligand chitin directly binds TLR2 and triggers inflammation dependent on oligomer size. *EMBO Reports*, **2018**, 19,	6.5	41
52	Oncogenic MYD88 mutations in lymphoma: novel insights and therapeutic possibilities. *Cancer Immunology, Immunotherapy*, **2018**, 67, 1797-1807	7.4	19
51	Short article: Influence of regulatory NLRC5 variants on colorectal cancer survival and 5-fluorouracil-based chemotherapy. *European Journal of Gastroenterology and Hepatology*, **2018**, 30, 838-842	2.2	3
50	Cellular Innate Immunity: An Old Game with New Players. *Journal of Innate Immunity*, **2017**, 9, 111-125	6.9	80
49	The Bruton tyrosine kinase inhibitor ibrutinib abrogates triggering receptor on myeloid cells 1-mediated neutrophil activation. *Haematologica*, **2017**, 102, e191-e194	6.6	30
48	1-ethyl-3-(6-methylphenanthridine-8-il) urea modulates TLR3/9 activation and induces selective pro-inflammatory cytokine expression in vitro. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1530-1537	2.9	4
47	Human NACHT, LRR, and PYD domain-containing protein 3 (NLRP3) inflammasome activity is regulated by and potentially targetable through Bruton tyrosine kinase. *Journal of Allergy and Clinical Immunology*, **2017**, 140, 1054-1067.e10	11.5	72
46	Sex-specific effects of TLR9 promoter variants on spontaneous clearance of HCV infection. *Gut*, **2017**, 66, 1829-1837	19.2	17
45	The NLRP3 inflammasome and bruton tyrosine kinase in platelets co-regulate platelet activation, aggregation, and in vitro thrombus formation. *Biochemical and Biophysical Research Communications*, **2017**, 483, 230-236	3.4	50
44	HLA class I-restricted L265P-derived peptides as specific targets for lymphoma immunotherapy. *OncoImmunology*, **2017**, 6, e1219825	7.2	25
43	Bruton Tyrosine Kinase: An Emerging Key Player in Innate Immunity. *Frontiers in Immunology*, **2017**, 8, 1454	8.4	123
42	B-cell-specific conditional expression of Myd88p.L252P leads to the development of diffuse large B-cell lymphoma in mice. *Blood*, **2016**, 127, 2732-41	2.2	78

41	The N-terminal loop of IRAK-4 death domain regulates ordered assembly of the Myddosome signalling scaffold. *Scientific Reports*, **2016**, 6, 37267	4.9	12
40	Pattern recognition receptor mediated downregulation of microRNA-650 fine-tunes MxA expression in dendritic cells infected with influenza A virus. *European Journal of Immunology*, **2016**, 46, 167-77	6.1	10
39	Neutrophils: Between host defence, immune modulation, and tissue injury. *PLoS Pathogens*, **2015**, 11, e1004651	7.6	378
38	The role of chitin, chitinases, and chitinase-like proteins in pediatric lung diseases. *Molecular and Cellular Pediatrics*, **2015**, 2, 3	3.3	41
37	A frequent hypofunctional IRAK2 variant is associated with reduced spontaneous hepatitis C virus clearance. *Hepatology*, **2015**, 62, 1375-87	11.2	19
36	Pathogenic fungi regulate immunity by inducing neutrophilic myeloid-derived suppressor cells. *Cell Host and Microbe*, **2015**, 17, 507-14	23.4	73
35	Activation of lymphoma-associated MyD88 mutations via allostery-induced TIR-domain oligomerization. *Blood*, **2014**, 124, 3896-904	2.2	53
34	Cell death triggered by Yersinia enterocolitica identifies processing of the proinflammatory signal adapter MyD88 as a general event in the execution of apoptosis. *Journal of Immunology*, **2014**, 192, 1209-19	5.3	14
33	A coding IRAK2 protein variant compromises Toll-like receptor (TLR) signaling and is associated with colorectal cancer survival. *Journal of Biological Chemistry*, **2014**, 289, 23123-23131	5.4	18
32	RNA and imidazoquinolines are sensed by distinct TLR7/8 ectodomain sites resulting in functionally disparate signaling events. *Journal of Immunology*, **2014**, 192, 5963-73	5.3	31
31	Functional TLR5 genetic variants affect human colorectal cancer survival. *Cancer Research*, **2013**, 73, 7232-42	10.2	40
30	The crystal structure of lipopolysaccharide binding protein reveals the location of a frequent mutation that impairs innate immunity. *Immunity*, **2013**, 39, 647-60	32.3	71
29	IRAK4 turns IL-10+ phospho-FOXO+ monocytes into pro-inflammatory cells by suppression of protein kinase B. *European Journal of Immunology*, **2013**, 43, 1630-42	6.1	13
28	Heterozygous carriage of a dysfunctional Toll-like receptor 9 allele affects CpG oligonucleotide responses in B cells. *Journal of Biological Chemistry*, **2012**, 287, 24544-53	5.4	5
27	Serine/threonine acetylation of TGFβ-activated kinase (TAK1) by Yersinia pestis YopJ inhibits innate immune signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12710-5	11.5	112
26	Integrin genes and susceptibility to human melanoma. *Mutagenesis*, **2012**, 27, 367-73	2.8	13
25	Neutrophils express distinct RNA receptors in a non-canonical way. *Journal of Biological Chemistry*, **2012**, 287, 19409-17	5.4	35
24	Association of inherited variation in Toll-like receptor genes with malignant melanoma susceptibility and survival. *PLoS ONE*, **2011**, 6, e24370	3.7	50

23	Gadd45a is an RNA binding protein and is localized in nuclear speckles. *PLoS ONE*, **2011**, 6, e14500	3.7	38
22	A point mutation in the amino terminus of TLR7 abolishes signaling without affecting ligand binding. *Journal of Immunology*, **2011**, 186, 4213-22	5.3	20
21	Two human MYD88 variants, S34Y and R98C, interfere with MyD88-IRAK4-myddosome assembly. *Journal of Biological Chemistry*, **2011**, 286, 1341-53	5.4	52
20	Modulation of the CD95-induced apoptosis: the role of CD95 N-glycosylation. *PLoS ONE*, **2011**, 6, e19927	3.7	44
19	A naturally occurring variant in human TLR9, P99L, is associated with loss of CpG oligonucleotide responsiveness. *Journal of Biological Chemistry*, **2010**, 285, 36486-94	5.4	27
18	MyD88 adaptor-like D96N is a naturally occurring loss-of-function variant of TIRAP. *Journal of Immunology*, **2010**, 184, 3025-32	5.3	26
17	Danger signaling protein HMGB1 induces a distinct form of cell death accompanied by formation of giant mitochondria. *Cancer Research*, **2010**, 70, 8558-68	10.1	45
16	Comprehensive modeling and functional analysis of Toll-like receptor ligand-recognition domains. *Protein Science*, **2010**, 19, 558-69	6.3	16
15	Identification of an N-terminal recognition site in TLR9 that contributes to CpG-DNA-mediated receptor activation. *Journal of Immunology*, **2009**, 182, 7690-7	5.3	76
14	Toll-dependent antimicrobial responses in Drosophila larval fat body require Spätzle secreted by haemocytes. *Journal of Cell Science*, **2009**, 122, 4505-15	5.3	92
13	Study of human RIG-I polymorphisms identifies two variants with an opposite impact on the antiviral immune response. *PLoS ONE*, **2009**, 4, e7582	3.7	46
12	Structural insight into the mechanism of activation of the Toll receptor by the dimeric ligand Spätzle. *Journal of Biological Chemistry*, **2008**, 283, 14629-35	5.4	54
11	Toll and IMD pathways synergistically activate an innate immune response in Drosophila melanogaster. *Molecular and Cellular Biology*, **2007**, 27, 4578-88	4.8	225
10	Role of the Spatzle Pro-domain in the generation of an active toll receptor ligand. *Journal of Biological Chemistry*, **2007**, 282, 13522-31	5.4	40
9	Toll-like receptors as molecular switches. *Nature Reviews Immunology*, **2006**, 6, 693-8	36.5	146
8	Sensing of Gram-positive bacteria in Drosophila: GNBP1 is needed to process and present peptidoglycan to PGRP-SA. *EMBO Journal*, **2006**, 25, 5005-14	13	76
7	Ligand-receptor and receptor-receptor interactions act in concert to activate signaling in the Drosophila toll pathway. *Journal of Biological Chemistry*, **2005**, 280, 22793-9	5.4	55
6	Conserved mechanisms of signal transduction by Toll and Toll-like receptors. *Journal of Endotoxin Research*, **2005**, 11, 294-8		5

5	Activation of insect and vertebrate toll signaling: from endogenous cytokine ligand to direct recognition of pathogen patterns. *Advances in Experimental Medicine and Biology*, **2005**, 560, 19-27	3.6	
4	Four N-linked glycosylation sites in human toll-like receptor 2 cooperate to direct efficient biosynthesis and secretion. *Journal of Biological Chemistry*, **2004**, 279, 34589-94	5.4	93
3	Binding of the Drosophila cytokine Spätzle to Toll is direct and establishes signaling. *Nature Immunology*, **2003**, 4, 794-800	19.1	332
2	RNA-antimicrobial peptide LL-37 complexes fuel a TLR- and NET-mediated inflammatory cycle of neutrophil activation in psoriasis		1
1	BTK operates a phospho-tyrosine switch to regulate NLRP3 inflammasome activity		6