Shuo-Wang Qiao

List of Publications by Year
in descending order

68 papers	4,638 citations	101543 36 h-index	110387 64 g-index
74 all docs	74 docs citations	74 times ranked	4786 citing authors

#	Article	IF	Citations
1	Nomenclature and listing of celiac disease relevant gluten T-cell epitopes restricted by HLA-DQ molecules. Immunogenetics, 2012, 64, 455-460.	2.4	442
2	Identification and Analysis of Multivalent Proteolytically Resistant Peptides from Gluten:Â Implications for Celiac Sprue. Journal of Proteome Research, 2005, 4, 1732-1741.	3.7	239
3	Dependence of antibody-mediated presentation of antigen on FcRn. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9337-9342.	7.1	229
4	High abundance of plasma cells secreting transglutaminase 2â€“specific IgA autoantibodies with limited somatic hypermutation in celiac disease intestinal lesions. Nature Medicine, 2012, 18, 441-445.	30.7	210
5	Neonatal Fc Receptor: From Immunity to Therapeutics. Journal of Clinical Immunology, 2010, 30, 777-789.	3.8	208
6	Gliadin T Cell Epitope Selection by Tissue Transglutaminase in Celiac Disease. Journal of Biological Chemistry, 2002, 277, 34109-34116.	3.4	201
7	Fc-fusion proteins and FcRn: structural insights for longer-lasting and more effective therapeutics. Critical Reviews in Biotechnology, 2015, 35, 235-254.	9.0	201
8	Neonatal Fc receptor for IgG (FcRn) regulates cross-presentation of IgG immune complexes by CD8^{âˆ’}CD11b⁺dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9927-9932.	7.1	187
9	Refining the Rules of Gliadin T Cell Epitope Binding to the Disease-Associated DQ2 Molecule in Celiac Disease: Importance of Proline Spacing and Glutamine Deamidation. Journal of Immunology, 2005, 175, 254-261.	0.8	157
10	Antigen Presentation to Celiac Lesion-Derived T Cells of a 33-Mer Gliadin Peptide Naturally Formed by Gastrointestinal Digestion. Journal of Immunology, 2004, 173, 1757-1762.	0.8	140
11	Molecular Characterization of Covalent Complexes between Tissue Transglutaminase and Gliadin Peptides. Journal of Biological Chemistry, 2004, 279, 17607-17616.	3.4	136
12	Update 2020: nomenclature and listing of celiac diseaseâ€“relevant gluten epitopes recognized by CD4+ T cells. Immunogenetics, 2020, 72, 85-88.	2.4	125
13	SHP1 Phosphatase-Dependent T Cell Inhibition by CEACAM1 Adhesion Molecule Isoforms. Immunity, 2006, 25, 769-781.	14.3	123
14	The Immunologic Functions of the Neonatal Fc Receptor for IgG. Journal of Clinical Immunology, 2013, 33, 9-17.	3.8	120
15	Immune and non-immune functions of the (not so) neonatal Fc receptor, FcRn. Seminars in Immunopathology, 2009, 31, 223-236.	6.1	115
16	Resident memory CD8 T cells persist for years in human small intestine. Journal of Experimental Medicine, 2019, 216, 2412-2426.	8.5	101
17	Posttranslational Modification of Gluten Shapes TCR Usage in Celiac Disease. Journal of Immunology, 2011, 187, 3064-3071.	0.8	92
18	Disease-driving CD4+ T cell clonotypes persist for decades in celiac disease. Journal of Clinical Investigation, 2018, 128, 2642-2650.	8.2	90

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19	The Preferred Substrates for Transglutaminase 2 in a Complex Wheat Gluten Digest Are Peptide Fragments Harboring Celiac Disease T-Cell Epitopes. PLoS ONE, 2010, 5, e14056.	2.5	88
20	BraCeR: B-cell-receptor reconstruction and clonality inference from single-cell RNA-seq. Nature Methods, 2018, 15, 563-565.	19.0	84
21	Cytokine release and gastrointestinal symptoms after gluten challenge in celiac disease. Science Advances, 2019, 5, eaaw7756.	10.3	84
22	Tetramerâ€visualized glutenâ€specific CD4+ T cells in blood as a potential diagnostic marker for coeliac disease without oral gluten challenge. United European Gastroenterology Journal, 2014, 2, 268-278.	3.8	79
23	An FcRn-Dependent Role for Anti-flagellin Immunoglobulin G in Pathogenesis of Colitis in Mice. Gastroenterology, 2009, 137, 1746-1756.e1.	1.3	77
24	HLA-DQâ€"Gluten Tetramer Blood Test Accurately Identifies Patients With and Without Celiac Disease in Absence of Gluten Consumption. Gastroenterology, 2018, 154, 886-896.e6.	1.3	74
25	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 Inhibits Proximal TCR Signaling by Targeting ZAP-70. Journal of Immunology, 2008, 180, 6085-6093.	0.8	65
26	Plasma Cells Are the Most Abundant Gluten Peptide MHC-expressing Cells in Inflamed Intestinal Tissues FromÂPatients With Celiac Disease. Gastroenterology, 2019, 156, 1428-1439.e10.	1.3	61
27	A Quantitative Analysis of Transglutaminase 2-Mediated Deamidation of Gluten Peptides: Implications for the T-cell Response in Celiac Disease. Journal of Proteome Research, 2009, 8, 1748-1755.	3.7	57
28	Biased usage and preferred pairing of Î±- and Î²-chains of TCRs specific for an immunodominant gluten epitope in coeliac disease. International Immunology, 2014, 26, 13-19.	4.0	56
29	The adaptive immune response in celiac disease. Seminars in Immunopathology, 2012, 34, 523-540.	6.1	54
30	Chronic l-deprenyl treatment alters brain monoamine levels and reduces impulsiveness in an animal model of Attention-Deficit/Hyperactivity Disorder. Behavioural Brain Research, 1998, 94, 153-162.	2.2	52
31	Enzymatic detoxification of gluten by germinating wheat proteases: Implications for new treatment of celiac disease. Annals of Medicine, 2009, 41, 390-400.	3.8	50
32	A molecular basis for the T cell response in HLA-DQ2.2 mediated celiac disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3063-3073.	7.1	47
33	Antigen presentation in celiac disease. Current Opinion in Immunology, 2009, 21, 111-117.	5.5	46
34	TCR sequencing of single cells reactive to DQ2.5-glia-Î±2 and DQ2.5-glia-Ï‰2 reveals clonal expansion and epitope-specific V-gene usage. Mucosal Immunology, 2016, 9, 587-596.	6.0	44
35	Epithelial transport and deamidation of gliadin peptides: a role for coeliac disease patient immunoglobulin A. Clinical and Experimental Immunology, 2011, 164, 127-136.	2.6	43
36	Tissue Transglutaminase-Mediated Formation and Cleavage of Histamine-Gliadin Complexes: Biological Effects and Implications for Celiac Disease. Journal of Immunology, 2005, 174, 1657-1663.	0.8	38

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37	Discriminative T-cell receptor recognition of highly homologous HLA-DQ2â€“bound gluten epitopes. Journal of Biological Chemistry, 2019, 294, 941-952.	3.4	38
38	B cell tolerance and antibody production to the celiac disease autoantigen transglutaminase 2. Journal of Experimental Medicine, 2020, 217, .	8.5	38
39	Healthy HLA-DQ2.5+ Subjects Lack Regulatory and Memory T Cells Specific for Immunodominant Gluten Epitopes of Celiac Disease. Journal of Immunology, 2016, 196, 2819-2826.	0.8	29
40	HLA-DQ Molecules as Affinity Matrix for Identification of Gluten T Cell Epitopes. Journal of Immunology, 2014, 193, 4497-4506.	0.8	26
41	Longevity, clonal relationship, and transcriptional program of celiac diseaseâ€“specific plasma cells. Journal of Experimental Medicine, 2021, 218, .	8.5	25
42	Similar Responses of Intestinal T Cells From Untreated Children and Adults With Celiac Disease to Deamidated Gluten Epitopes. Gastroenterology, 2017, 153, 787-798.e4.	1.3	24
43	Single-Cell Transcriptome Profiling of Immune Cell Repertoire of the Atlantic Cod Which Naturally Lacks the Major Histocompatibility Class II System. Frontiers in Immunology, 2020, 11, 559555.	4.8	24
44	Coeliac disease â€“ from genetic and immunological studies to clinical applications. Scandinavian Journal of Gastroenterology, 2015, 50, 708-717.	1.5	23
45	Comprehensive Analysis of CDR3 Sequences in Gluten-Specific T-Cell Receptors Reveals a Dominant R-Motif and Several New Minor Motifs. Frontiers in Immunology, 2021, 12, 639672.	4.8	23
46	Small Bowel, Celiac Disease and Adaptive Immunity. Digestive Diseases, 2015, 33, 115-121.	1.9	20
47	Systematic Prioritization of Candidate Genes in Disease Loci Identifies TRAFD1 as a Master Regulator of IFNÎ³ Signaling in Celiac Disease. Frontiers in Genetics, 2020, 11, 562434.	2.3	20
48	A TCRÎ± frameworkâ€“centered codon shapes a biased T cell repertoire through direct MHC and CDR3Î² interactions. JCI Insight, 2017, 2, .	5.0	15
49	Frequency of Gluten-Reactive T Cells in Active Celiac Lesions Estimated by Direct Cell Cloning. Frontiers in Immunology, 2021, 12, 646163.	4.8	12
50	How the controller is controlled ? neonatal Fc receptor expression and immunoglobulin G homeostasis. Immunology, 2007, 120, 145-147.	4.4	11
51	T cell receptor repertoire as a potential diagnostic marker for celiac disease. Clinical Immunology, 2021, 222, 108621.	3.2	11
52	Epitope Selection for HLA-DQ2 Presentation: Implications for Celiac Disease and Viral Defense. Journal of Immunology, 2019, 202, 2558-2569.	0.8	10
53	Stereotyped Bâ€cell responses are linked to IgG constant region polymorphisms in multiple sclerosis. European Journal of Immunology, 2022, 52, 550-565.	2.9	10
54	Immunobiology and conflicting roles of the human CD161 receptor in T cells. Scandinavian Journal of Immunology, 2021, 94, e13090.	2.7	8

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55	Lung CD4+ T-cells in patients with lung fibrosis produce pro-fibrotic interleukin-13 together with interferon-Î³. European Respiratory Journal, 2021, 57, 2000983.	6.7	6
56	Potential impact of celiac disease genetic risk factors on T cell receptor signaling in gluten-specific CD4+ T cells. Scientific Reports, 2021, 11, 9252.	3.3	6
57	Two novel HLA-DQ2.5-restricted gluten T cell epitopes in the DQ2.5-glia-Î³4 epitope family. Immunogenetics, 2019, 71, 665-667.	2.4	5
58	TCRpower: quantifying the detection power of T-cell receptor sequencing with a novel computational pipeline calibrated by spike-in sequences. Briefings in Bioinformatics, 2022, 23, .	6.5	5
59	Exploiting antigen receptor information to quantify index switching in single-cell transcriptome sequencing experiments. PLoS ONE, 2018, 13, e0208484.	2.5	4
60	Differential expression profile of gluten-specific T cells identified by single-cell RNA-seq. PLoS ONE, 2021, 16, e0258029.	2.5	4
61	Characterization of Tâ€cell receptor transgenic mice recognizing immunodominant HLAâ€DQ2.5â€restricted gluten epitopes. European Journal of Immunology, 2021, 51, 1002-1005.	2.9	4
62	Lymphocyte subsets in Atlantic cod (Gadus morhua) interrogated by single-cell sequencing. Communications Biology, 2022, 5, .	4.4	4
63	Câ€type lectinâ€like CD161 is not a coâ€signalling receptor in glutenâ€reactive CD4Â+ÂT cells. Scandinavian Journal of Immunology, 2021, 93, e13016.	2.7	3
64	Innate lymphoid cell characterization in the rat and their correlation to gut commensal microbes. European Journal of Immunology, 2022, 52, 717-729.	2.9	2
65	Interaction of HLA-DM and HLA-DQ2 in antigen presentation: Implications for celiac disease association. Molecular Immunology, 2012, 51, 38.	2.2	0
66	Interaction of HLA-DM and HLA-DQ2 in antigen presentation: Implications for celiac disease association. Molecular Immunology, 2012, 51, 40.	2.2	0
67	The Immune Responses of Celiac Disease. , 2016, , 219-226.		0
68	Characterization of unique pro-fibrotic T cells resident in the lungs. , 2019, , .		0