

George K Papadopoulos

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.

50
papers

1,546
citations

22
h-index

38
g-index

51
ext. papers

1,679
ext. citations

5.9
avg, IF

3.92
L-index

#	Paper	IF	Citations
50	Nine residues in HLA-DQ molecules determine with susceptibility and resistance to type 1 diabetes among young children in Sweden. <i>Scientific Reports</i> , 2021 , 11, 8821	4.9	1
49	The KAG motif of HLA-DRB1 (A1, A4, B6) predicts seroconversion and development of type 1 diabetes. <i>EBioMedicine</i> , 2021 , 69, 103431	8.8	0
48	Next-Generation HLA Sequence Analysis Uncovers Seven HLA-DQ Amino Acid Residues and Six Motifs Resistant to Childhood Type 1 Diabetes. <i>Diabetes</i> , 2020 , 69, 2523-2535	0.9	2
47	A modified flow cytometry method for objective estimation of human CD4 regulatory T cells (CD4 Tregs) in peripheral blood, via CD4/CD25/CD45RO/FoxP3 labeling. <i>Cytometry Part B - Clinical Cytometry</i> , 2020 , 98, 259-269	3.4	5
46	Motifs of Three HLA-DQ Amino Acid Residues (A4, B7, A35) Capture Full Association With the Risk of Type 1 Diabetes in DQ2 and DQ8 Children. <i>Diabetes</i> , 2020 , 69, 1573-1587	0.9	8
45	Eleven Amino Acids of HLA-DRB1 and Fifteen Amino Acids of HLA-DRB3, 4, and 5 Include Potentially Causal Residues Responsible for the Risk of Childhood Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 1692-1704	0.9	6
44	Discriminative T cell recognition of cross-reactive islet-antigens is associated with HLA-DQ8 transdimer-mediated autoimmune diabetes. <i>Science Advances</i> , 2019 , 5, eaaw9336	14.3	9
43	Epitope Stealing as a Mechanism of Dominant Protection by HLA-DQ6 in Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 787-795	0.9	12
42	DRB4*01:01 Has a Distinct Motif and Presents a Proinsulin Epitope That Is Recognized in Subjects with Type 1 Diabetes. <i>Journal of Immunology</i> , 2018 , 201, 3524-3533	5.3	9
41	Molecular basis for increased susceptibility of Indigenous North Americans to seropositive rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 1915-1923	2.4	26
40	The increased ability to present citrullinated peptides is not unique to HLA-SE molecules: arginine-to-citrulline conversion also enhances peptide affinity for HLA-DQ molecules. <i>Arthritis Research and Therapy</i> , 2016 , 18, 254	5.7	17
39	Crossreactivity to vinculin and microbes provides a molecular basis for HLA-based protection against rheumatoid arthritis. <i>Nature Communications</i> , 2015 , 6, 6681	17.4	56
38	Type 1 diabetes as an autoimmune disease: the evidence. <i>Diabetologia</i> , 2014 , 57, 1500-1	10.3	10
37	Differential binding of pyruvate dehydrogenase complex-E2 epitopes by DRB1*08:01 and DRB1*11:01 is predicted by their structural motifs and correlates with disease risk. <i>Journal of Immunology</i> , 2013 , 190, 4516-24	5.3	10
36	DRB1*12:01 presents a unique subset of epitopes by preferring aromatics in pocket 9. <i>Molecular Immunology</i> , 2012 , 50, 26-34	4.3	6
35	Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	59
34	Etiopathogenesis of insulin autoimmunity. <i>Anatomy Research International</i> , 2012 , 2012, 457546		5

33	Zinc transporter 8 autoantibodies and their association with SLC30A8 and HLA-DQ genes differ between immigrant and Swedish patients with newly diagnosed type 1 diabetes in the Better Diabetes Diagnosis study. <i>Diabetes</i> , 2012 , 61, 2556-64	0.9	63
32	Type 1 diabetes-associated HLA-DQ8 transdimer accommodates a unique peptide repertoire. <i>Journal of Biological Chemistry</i> , 2012 , 287, 9514-24	5.4	56
31	Trans heterodimer between two non-arthritis-associated HLA alleles can predispose to arthritis in humanized mice. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1552-61		5
30	Gluten-specific T cells cross-react between HLA-DQ8 and the HLA-DQ2/DQ8 transdimer. <i>Journal of Immunology</i> , 2011 , 187, 5123-9	5.3	48
29	HLA-DR1001 presents "altered-self" peptides derived from joint-associated proteins by accepting citrulline in three of its binding pockets. <i>Arthritis and Rheumatism</i> , 2010 , 62, 2909-18		75
28	Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 60, 50-56		106
27	The binding of antigenic peptides to HLA-DR is influenced by interactions between pocket 6 and pocket 9. <i>Journal of Immunology</i> , 2009 , 183, 3249-58	5.3	22
26	Use of MHC II structural features in the design of vaccines for organ-specific autoimmune diseases. <i>Current Pharmaceutical Design</i> , 2009 , 15, 3262-73	3.3	7
25	Definition of the peptide binding motif within DRB1*1401 restricted epitopes by peptide competition and structural modeling. <i>Molecular Immunology</i> , 2008 , 45, 2651-9	4.3	13
24	Large-scale characterization of natural ligands explains the unique gluten-binding properties of HLA-DQ2. <i>Journal of Immunology</i> , 2008 , 180, 3268-78	5.3	62
23	Dominance of an alternative CLIP sequence in the celiac disease associated HLA-DQ2 molecule. <i>Immunogenetics</i> , 2008 , 60, 551-5	3.2	12
22	Functional inhibition related to structure of a highly potent insulin-specific CD8 T cell clone using altered peptide ligands. <i>European Journal of Immunology</i> , 2008 , 38, 240-9	6.1	7
21	The spectrum of HLA-DQ and HLA-DR alleles, 2006: a listing correlating sequence and structure with function. <i>Immunogenetics</i> , 2007 , 59, 539-53	3.2	113
20	Allelic variation in key peptide-binding pockets discriminates between closely related diabetes-protective and diabetes-susceptible HLA-DQB1*06 alleles. <i>Journal of Immunology</i> , 2006 , 176, 1988-98	5.3	43
19	T-cell recognition of HLA-DQ2-bound gluten peptides can be influenced by an N-terminal proline at p-1. <i>Immunogenetics</i> , 2005 , 57, 8-15	3.2	44
18	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1365-1371	15.9	74
17	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1365-71	15.9	44
16	Peptide analysis, stability studies, and structural modeling explain contradictory peptide motifs and unique properties of the NOD mouse MHC class II molecule H2-A(g7). <i>European Journal of Immunology</i> , 2002 , 32, 2105-16	6.1	19

15	Molecular properties of HLA-DQ alleles conferring susceptibility to or protection from insulin-dependent diabetes mellitus: keys to the fate of islet beta-cells. <i>American Journal of Medical Genetics Part A</i> , 2002 , 115, 37-47		22
14	Analysis of structure and function relationships of an autoantigenic peptide of insulin bound to H-2K(d) that stimulates CD8 T cells in insulin-dependent diabetes mellitus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5551-6	11.5	55
13	Mutational analysis of critical residues determining antigen presentation and activation of HLA-DQ0602 restricted T-cell clones. <i>Human Immunology</i> , 2002 , 63, 185-93	2.3	18
12	Specific monoclonal antibodies against the surface of rat islet beta cells. <i>Cell Biology International</i> , 2002 , 26, 817-28	4.5	4
11	Interplay between genetics and the environment in the development of celiac disease: perspectives for a healthy life. <i>Journal of Clinical Investigation</i> , 2001 , 108, 1261-6	15.9	42
10	Structure of celiac disease-associated HLA-DQ8 and non-associated HLA-DQ9 alleles in complex with two disease-specific epitopes. <i>International Immunology</i> , 2000 , 12, 1157-66	4.9	44
9	Structural analysis of two HLA-DR-presented autoantigenic epitopes: crucial role of peripheral but not central peptide residues for T-cell receptor recognition. <i>Molecular Immunology</i> , 2000 , 37, 813-25	4.3	12
8	Role of cytokines in the pathogenesis of anemia of chronic disease in rheumatoid arthritis. <i>Clinical Immunology</i> , 1999 , 92, 153-60	9	71
7	RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. <i>International Journal of Biological Macromolecules</i> , 1998 , 22, 51-7	7.9	16
6	Unique peptide binding characteristics of the disease-associated DQ(alpha 1*0501, beta 1*0201) vs the non-disease-associated DQ(alpha 1*0201, beta 1*0202) molecule. <i>Immunogenetics</i> , 1997 , 46, 484-92	3.2	76
5	Novel structural features of the human histocompatibility molecules HLA-DQ as revealed by modeling based on the published structure of the related molecule HLA-DR. <i>Journal of Structural Biology</i> , 1996 , 117, 145-63	3.4	28
4	Response to commentary by Pujol-Borrell and Bottazzo. <i>Trends in Immunology</i> , 1989 , 10, 149-50		
3	Soluble interleukin 2 receptor molecules in the serum of patients with autoimmune diseases. <i>Clinical Immunology and Immunopathology</i> , 1989 , 50, 321-32		88
2	Orientations of the retinyl and the heme chromophores in the brown membrane of Halobacterium halobium. <i>Journal of Molecular Biology</i> , 1981 , 152, 35-47	6.5	6
1	INTERPRETATIONS OF THE SOLUTION AND ORIENTED FILM SPECTRA OF BROWN MEMBRANE OF HALOBACTERIUM HALOBIUM. <i>Photochemistry and Photobiology</i> , 1981 , 33, 455-466	3.6	10