George K Papadopoulos

List of Publications by Citations

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	The spectrum of HLA-DQ and HLA-DR alleles, 2006: a listing correlating sequence and structure with function. *Immunogenetics*, **2007**, 59, 539-53	3.2	113
49	Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 60, 50-56		106
48	Soluble interleukin 2 receptor molecules in the serum of patients with autoimmune diseases. *Clinical Immunology and Immunopathology*, **1989**, 50, 321-32		88
47	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. *Immunogenetics*, **1997**, 46, 484-92	3.2	76
46	HLA-DR1001 presents "altered-self" peptides derived from joint-associated proteins by accepting citrulline in three of its binding pockets. *Arthritis and Rheumatism*, **2010**, 62, 2909-18		75
45	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. *Journal of Clinical Investigation*, **2003**, 111, 1365-1371	15.9	74
44	Role of cytokines in the pathogenesis of anemia of chronic disease in rheumatoid arthritis. *Clinical Immunology*, **1999**, 92, 153-60	9	71
43	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. *Diabetes*, **2012**, 61, 2556-64	0.9	63
42	Large-scale characterization of natural ligands explains the unique gluten-binding properties of HLA-DQ2. *Journal of Immunology*, **2008**, 180, 3268-78	5.3	62
41	Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	59
40	Crossreactivity to vinculin and microbes provides a molecular basis for HLA-based protection against rheumatoid arthritis. *Nature Communications*, **2015**, 6, 6681	17.4	56
39	Type 1 diabetes-associated HLA-DQ8 transdimer accommodates a unique peptide repertoire. *Journal of Biological Chemistry*, **2012**, 287, 9514-24	5.4	56
38	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. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5551-6	11.5	55
37	Gluten-specific T cells cross-react between HLA-DQ8 and the HLA-DQ2/DQ8 transdimer. *Journal of Immunology*, **2011**, 187, 5123-9	5.3	48
36	T-cell recognition of HLA-DQ2-bound gluten peptides can be influenced by an N-terminal proline at p-1. *Immunogenetics*, **2005**, 57, 8-15	3.2	44
35	Structure of celiac disease-associated HLA-DQ8 and non-associated HLA-DQ9 alleles in complex with two disease-specific epitopes. *International Immunology*, **2000**, 12, 1157-66	4.9	44
34	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. *Journal of Clinical Investigation*, **2003**, 111, 1365-71	15.9	44

33	Allelic variation in key peptide-binding pockets discriminates between closely related diabetes-protective and diabetes-susceptible HLA-DQB1*06 alleles. *Journal of Immunology*, **2006**, 176, 1988-98	5.3	43
32	Interplay between genetics and the environment in the development of celiac disease: perspectives for a healthy life. *Journal of Clinical Investigation*, **2001**, 108, 1261-6	15.9	42
31	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. *Journal of Structural Biology*, **1996**, 117, 145-63	3.4	28
30	Molecular basis for increased susceptibility of Indigenous North Americans to seropositive rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **2017**, 76, 1915-1923	2.4	26
29	The binding of antigenic peptides to HLA-DR is influenced by interactions between pocket 6 and pocket 9. *Journal of Immunology*, **2009**, 183, 3249-58	5.3	22
28	Molecular properties of HLA-DQ alleles conferring susceptibility to or protection from insulin-dependent diabetes mellitus: keys to the fate of islet beta-cells. *American Journal of Medical Genetics Part A*, **2002**, 115, 37-47		22
27	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). *European Journal of Immunology*, **2002**, 32, 2105-16	6.1	19
26	Mutational analysis of critical residues determining antigen presentation and activation of HLA-DQ0602 restricted T-cell clones. *Human Immunology*, **2002**, 63, 185-93	2.3	18
25	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. *Arthritis Research and Therapy*, **2016**, 18, 254	5.7	17
24	RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. *International Journal of Biological Macromolecules*, **1998**, 22, 51-7	7.9	16
23	Definition of the peptide binding motif within DRB1*1401 restricted epitopes by peptide competition and structural modeling. *Molecular Immunology*, **2008**, 45, 2651-9	4.3	13
22	Dominance of an alternative CLIP sequence in the celiac disease associated HLA-DQ2 molecule. *Immunogenetics*, **2008**, 60, 551-5	3.2	12
21	Structural analysis of two HLA-DR-presented autoantigenic epitopes: crucial role of peripheral but not central peptide residues for T-cell receptor recognition. *Molecular Immunology*, **2000**, 37, 813-25	4.3	12
20	Epitope Stealing as a Mechanism of Dominant Protection by HLA-DQ6 in Type 1 Diabetes. *Diabetes*, **2019**, 68, 787-795	0.9	12
19	Type 1 diabetes as an autoimmune disease: the evidence. *Diabetologia*, **2014**, 57, 1500-1	10.3	10
18	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. *Journal of Immunology*, **2013**, 190, 4516-24	5.3	10
17	INTERPRETATIONS OF THE SOLUTION AND ORIENTED FILM SPECTRA OF BROWN MEMBRANE OF HALOBACTERIUM HALOBIUM. *Photochemistry and Photobiology*, **1981**, 33, 455-466	3.6	10
16	Discriminative T cell recognition of cross-reactive islet-antigens is associated with HLA-DQ8 transdimer-mediated autoimmune diabetes. *Science Advances*, **2019**, 5, eaaw9336	14.3	9

15	DRB4*01:01 Has a Distinct Motif and Presents a Proinsulin Epitope That Is Recognized in Subjects with Type 1 Diabetes. *Journal of Immunology*, **2018**, 201, 3524-3533	5.3	9
14	Motifs of Three HLA-DQ Amino Acid Residues (□4, □7, □135) Capture Full Association With the Risk of Type 1 Diabetes in DQ2 and DQ8 Children. *Diabetes*, **2020**, 69, 1573-1587	0.9	8
13	Use of MHC II structural features in the design of vaccines for organ-specific autoimmune diseases. *Current Pharmaceutical Design*, **2009**, 15, 3262-73	3.3	7
12	Functional inhibition related to structure of a highly potent insulin-specific CD8 T cell clone using altered peptide ligands. *European Journal of Immunology*, **2008**, 38, 240-9	6.1	7
11	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. *Diabetes*, **2019**, 68, 1692-1704	0.9	6
10	DRB1*12:01 presents a unique subset of epitopes by preferring aromatics in pocket 9. *Molecular Immunology*, **2012**, 50, 26-34	4.3	6
9	Orientations of the retinyl and the heme chromophores in the brown membrane of Halobacterium halobium. *Journal of Molecular Biology*, **1981**, 152, 35-47	6.5	6
8	Trans heterodimer between two non-arthritis-associated HLA alleles can predispose to arthritis in humanized mice. *Arthritis and Rheumatism*, **2011**, 63, 1552-61		5
7	Etiopathogenesis of insulin autoimmunity. *Anatomy Research International*, **2012**, 2012, 457546		5
6	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. *Cytometry Part B - Clinical Cytometry*, **2020**, 98, 259-269	3.4	5
5	Specific monoclonal antibodies against the surface of rat islet beta cells. *Cell Biology International*, **2002**, 26, 817-28	4.5	4
4	Next-Generation HLA Sequence Analysis Uncovers Seven HLA-DQ Amino Acid Residues and Six Motifs Resistant to Childhood Type 1 Diabetes. *Diabetes*, **2020**, 69, 2523-2535	0.9	2
3	Nine residues in HLA-DQ molecules determine with susceptibility and resistance to type 1 diabetes among young children in Sweden. *Scientific Reports*, **2021**, 11, 8821	4.9	1
2	The KAG motif of HLA-DRB1 (□1, □4, □6) predicts seroconversion and development of type 1 diabetes. *EBioMedicine*, **2021**, 69, 103431	8.8	0
1	Response to commentary by Pujol-Borrell and Bottazzo. *Trends in Immunology*, **1989**, 10, 149-50		