George K Papadopoulos

List of Publications by Year
in descending order

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51 papers	1,823 citations	279798 23 h-index	265206 42 g-index
51 all docs	51 docs citations	51 times ranked	2221 citing authors

#	Article	IF	Citations
1	Association of HLA-DQ Heterodimer Residues â^'18Î² and Î²57 With Progression From Islet Autoimmunity to Diabetes in the Diabetes Prevention Trialâ€"Type 1. Diabetes Care, 2022, 45, 1610-1620.	8.6	1
2	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.	3.3	6
3	The KAG motif of HLA-DRB1 (Î²71, Î²74, Î²86) predicts seroconversion and development of type 1 diabetes. EBioMedicine, 2021, 69, 103431.	6.1	6
4	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.	1.5	8
5	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.	0.6	7
6	Motifs of Three HLA-DQ Amino Acid Residues (Î±44, Î²57, Î²135) Capture Full Association With the Risk of Type 1 Diabetes in DQ2 and DQ8 Children. Diabetes, 2020, 69, 1573-1587.	0.6	17
7	Discriminative T cell recognition of cross-reactive islet-antigens is associated with HLA-DQ8 transdimerâ€"mediated autoimmune diabetes. Science Advances, 2019, 5, eaaw9336.	10.3	15
8	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.	0.6	11
9	Epitope Stealing as a Mechanism of Dominant Protection by HLA-DQ6 in Type 1 Diabetes. Diabetes, 2019, 68, 787-795.	0.6	20
10	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.	0.8	12
11	Molecular basis for increased susceptibility of Indigenous North Americans to seropositive rheumatoid arthritis. Annals of the Rheumatic Diseases, 2017, 76, 1915-1923.	0.9	36
12	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.	3.5	23
13	Crossreactivity to vinculin and microbes provides a molecular basis for HLA-based protection against rheumatoid arthritis. Nature Communications, 2015, 6, 6681.	12.8	66
14	Type 1 diabetes as an autoimmune disease: the evidence. Diabetologia, 2014, 57, 1500-1501.	6.3	20
15	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, 4516-4524.	0.8	13
16	Etiopathogenesis of Insulin Autoimmunity. Anatomy Research International, 2012, 2012, 1-20.	1.1	6
17	Zinc Transporter 8 Autoantibodies and Their Association WithSLC30A8andHLA-DQGenes Differ Between Immigrant and Swedish Patients With Newly Diagnosed Type 1 Diabetes in the Better Diabetes Diagnosis Study. Diabetes, 2012, 61, 2556-2564.	0.6	67
18	Type 1 Diabetes-associated HLA-DQ8 Transdimer Accommodates a Unique Peptide Repertoire. Journal of Biological Chemistry, 2012, 287, 9514-9524.	3.4	64

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19	Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	68
20	DRB1*12:01 presents a unique subset of epitopes by preferring aromatics in pocket 9. Molecular Immunology, 2012, 50, 26-34.	2.2	7
21	Trans heterodimer between two non-arthritis-associated HLA alleles can predispose to arthritis in humanized mice. Arthritis and Rheumatism, 2011, 63, 1552-1561.	6.7	9
22	Gluten-Specific T Cells Cross-React between HLA-DQ8 and the HLA-DQ2Î±/DQ8Î² Transdimer. Journal of Immunology, 2011, 187, 5123-5129.	0.8	52
23	HLAâ€“DR1001 presents â€œalteredâ€•selfâ€•peptides derived from jointâ€•associated proteins by accepting citrulline in three of its binding pockets. Arthritis and Rheumatism, 2010, 62, 2909-2918.	6.7	86
24	Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 50-56.	1.8	115
25	The Binding of Antigenic Peptides to HLA-DR Is Influenced by Interactions between Pocket 6 and Pocket 9. Journal of Immunology, 2009, 183, 3249-3258.	0.8	27
26	Use of MHC II Structural Features in the Design of Vaccines for Organ-Specific Autoimmune Diseases. Current Pharmaceutical Design, 2009, 15, 3262-3273.	1.9	9
27	Dominance of an alternative CLIP sequence in the celiac disease associated HLA-DQ2 molecule. Immunogenetics, 2008, 60, 551-555.	2.4	16
28	Functional inhibition related to structure of a highly potent insulinâ€•specific CD8 T cell clone using altered peptide ligands. European Journal of Immunology, 2008, 38, 240-249.	2.9	7
29	Definition of the peptide binding motif within DRB1*1401 restricted epitopes by peptide competition and structural modeling. Molecular Immunology, 2008, 45, 2651-2659.	2.2	14
30	Large-Scale Characterization of Natural Ligands Explains the Unique Gluten-Binding Properties of HLA-DQ2. Journal of Immunology, 2008, 180, 3268-3278.	0.8	75
31	The spectrum of HLA-DQ and HLA-DR alleles, 2006: a listing correlating sequence and structure with function. Immunogenetics, 2007, 59, 539-553.	2.4	127
32	Allelic Variation in Key Peptide-Binding Pockets Discriminates between Closely Related Diabetes-Protective and Diabetes-SusceptibleHLA-DQB1*06Alleles. Journal of Immunology, 2006, 176, 1988-1998.	0.8	47
33	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.	2.4	49
34	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. Journal of Clinical Investigation, 2003, 111, 1365-1371.	8.2	89
35	Disabling an integral CTL epitope allows suppression of autoimmune diabetes by intranasal proinsulin peptide. Journal of Clinical Investigation, 2003, 111, 1365-1371.	8.2	47
36	Analysis of structure and function relationships of an autoantigenic peptide of insulin bound to H-2Kd 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, 5551-5556.	7.1	58

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37	Mutational analysis of critical residues determining antigen presentation and activation of HLA-DQ0602 restricted T-cell clones. Human Immunology, 2002, 63, 185-193.	2.4	20
38	Peptide analysis, stability studies, and structural modeling explain contradictory peptide motifs and unique properties of the NOD mouse MHCâ€„class II molecule H2-Ag7. European Journal of Immunology, 2002, 32, 2105.	2.9	22
39	Molecular properties of HLA-DQ alleles conferring susceptibility to or protection from insulin-dependent diabetes mellitus: Keys to the fate of islet ?-cells. American Journal of Medical Genetics Part A, 2002, 115, 37-47.	2.4	24
40	SPECIFIC MONOCLONAL ANTIBODIES AGAINST THE SURFACE OF RAT ISLET Î² CELLS. Cell Biology International, 2002, 26, 817-828.	3.0	4
41	Interplay between genetics and the environment in the development of celiac disease: perspectives for a healthy life. Journal of Clinical Investigation, 2001, 108, 1261-1266.	8.2	50
42	Structure of celiac disease-associated HLA-DQ8 and non-associated HLA-DQ9 alleles in complex with two disease-specific epitopes. International Immunology, 2000, 12, 1157-1166.	4.0	47
43	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, 813-825.	2.2	14
44	Role of Cytokines in the Pathogenesis of Anemia of Chronic Disease in Rheumatoid Arthritis. Clinical Immunology, 1999, 92, 153-160.	3.2	90
45	RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. International Journal of Biological Macromolecules, 1998, 22, 51-57.	7.5	17
46	Unique peptide binding characteristics of the disease-associated DQ(Î±1 * 0501, Î²1 * 0201) vs the non-disease-associated DQ(Î±1 * 0201, Î²1 * 0202) molecule. Immunogenetics, 1997, 46, 484-492.	2.4	84
47	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, 145-163.	2.8	29
48	Response to commentary by Pujol-Borrell and Botazzo. Trends in Immunology, 1989, 10, 149-150.	7.5	0
49	Soluble interleukin 2 receptor molecules in the serum of patients with autoimmune diseases. Clinical Immunology and Immunopathology, 1989, 50, 321-332.	2.0	104
50	Orientations of the retinyl and the heme chromophores in the brown membrane of Halobacterium halobium. Journal of Molecular Biology, 1981, 152, 35-47.	4.2	7
51	INTERPRETATIONS OF THE SOLUTION AND ORIENTED FILM SPECTRA OF BROWN MEMBRANE OF HALOBACTERIUM HALOBIUM. Photochemistry and Photobiology, 1981, 33, 455-466.	2.5	11