# 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 | 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 |
| 2 | Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 50-56. | 1.8 | 115 |
| 3 | Soluble interleukin 2 receptor molecules in the serum of patients with autoimmune diseases. Clinical Immunology and Immunopathology, 1989, 50, 321-332. | 2.0 | 104 |
| 4 | Role of Cytokines in the Pathogenesis of Anemia of Chronic Disease in Rheumatoid Arthritis. Clinical Immunology, 1999, 92, 153-160. | 3.2 | 90 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 68 |
| 10 | 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 |
| 11 | Crossreactivity to vinculin and microbes provides a molecular basis for HLA-based protection against rheumatoid arthritis. Nature Communications, 2015, 6, 6681. | 12.8 | 66 |
| 12 | Type 1 Diabetes-associated HLA-DQ8 Transdimer Accommodates a Unique Peptide Repertoire. Journal of Biological Chemistry, 2012, 287, 9514-9524. | 3.4 | 64 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Type 1 diabetes as an autoimmune disease: the evidence. Diabetologia, 2014, 57, 1500-1501. | 6.3 | 20 |
| 28 | Epitope Stealing as a Mechanism of Dominant Protection by HLA-DQ6 in Type 1 Diabetes. Diabetes, 2019, 68, 787-795. | 0.6 | 20 |
| 29 | RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. International Journal of Biological Macromolecules, 1998, 22, 51-57. | 7.5 | 17 |
| 30 | 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 |
| 31 | Dominance of an alternative CLIP sequence in the celiac disease associated HLA-DQ2 molecule. Immunogenetics, 2008, 60, 551-555. | 2.4 | 16 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | INTERPRETATIONS OF THE SOLUTION AND ORIENTED FILM SPECTRA OF BROWN MEMBRANE OF HALOBACTERIUM HALOBIUM. Photochemistry and Photobiology, 1981, 33, 455-466. | 2.5 | 11 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | A modified flow cytometry method for objective estimation of human CD4<sup>+</sup> regulatory T cells (CD4<sup>+</sup> Tregs) in peripheral blood, via CD4/CD25/CD45RO/FoxP3 labeling. Cytometry Part B - Clinical Cytometry, 2020, 98, 259-269. | 1.5 | 8 |
| 42 | 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 |
| 43 | 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 |
| 44 | DRB1*12:01 presents a unique subset of epitopes by preferring aromatics in pocket 9. Molecular Immunology, 2012, 50, 26-34. | 2.2 | 7 |
| 45 | 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 |
| 46 | Etiopathogenesis of Insulin Autoimmunity. Anatomy Research International, 2012, 2012, 1-20. | 1.1 | 6 |
| 47 | 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 |
| 48 | The KAG motif of HLA-DRB1 (Î²71, Î²74, Î²86) predicts seroconversion and development of type 1 diabetes. EBioMedicine, 2021, 69, 103431. | 6.1 | 6 |
| 49 | SPECIFIC MONOCLONAL ANTIBODIES AGAINST THE SURFACE OF RAT ISLET Î² CELLS. Cell Biology International, 2002, 26, 817-828. | 3.0 | 4 |
| 50 | 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 |
| 51 | Response to commentary by Pujol-Borrell and Botazzo. Trends in Immunology, 1989, 10, 149-150. | 7.5 | 0 |