

Publications Identified in Literature Search for 2022 Peptide Table

Afzal, M., et al. (2021). "Characterization of 150 Wheat Cultivars by LC-MS-Based Label-Free Quantitative Proteomics Unravels Possibilities to Design Wheat Better for Baking Quality and Human Health." Plants-Basel 10(3).

Asledottir, T., et al. (2020). "Ancestral Wheat Types Release Fewer Celiac Disease Related T Cell Epitopes than Common Wheat upon Ex Vivo Human Gastrointestinal Digestion." Foods 9(9).

Boukid, F., et al. (2021). "Non-animal proteins as cutting-edge ingredients to reformulate animal-free foodstuffs: Present status and future perspectives." Critical Reviews in Food Science and Nutrition.

Christophersen, A., et al. (2021). "Pathogenic T Cells in Celiac Disease Change Phenotype on Gluten Challenge: Implications for T-Cell-Directed Therapies." Advanced science (Weinheim, Baden-Wurttemberg, Germany): e2102778.

De Santis, M. A., et al. (2020). "Gluten proteome comparison among durum wheat genotypes with different release date." Journal of Cereal Science 96.

Emami, M. H., et al. (2021). "The circulating midkine in the newly diagnosed celiac disease: Clinical implications." Advanced Biomedical Research 10(1).

Falcigno, L., et al. (2020). "Structural perspective of gliadin peptides active in celiac disease." International Journal of Molecular Sciences 21(23): 1-21.

Gao, J., et al. (2021). "Thermal and Acidic Treatments of Gluten Epitopes Affect Their Recognition by HLA-DQ2 in silico." Frontiers in Nutrition 8: 647750.

Hardy, M. Y., et al. (2021). "Editorial: Lessons on T-Cells and Immune-Targeting Therapeutics in Coeliac Disease." Frontiers in Immunology 12.

Jang, Y. R., et al. (2020). "Comparison of MALDI-TOF-MS and RP-HPLC as Rapid Screening Methods for Wheat Lines With Altered Gliadin Compositions." Frontiers in Plant Science 11.

Landry, L. G., et al. (2021). "Proinsulin-Reactive CD4 T Cells in the Islets of Type 1 Diabetes Organ Donors." Frontiers in Endocrinology 12.

Maignan, V., et al. (2020). "Biostimulant Effects of Glutacetine® and Its Derived Formulations Mixed With N Fertilizer on Post-heading N Uptake and Remobilization, Seed Yield, and Grain Quality in Winter Wheat." Frontiers in Plant Science 11.

Nye-Wood, M. G., et al. (2021). "Proteome Analysis and Epitope Mapping in a Commercial Reduced-Gluten Wheat Product." Frontiers in Nutrition 8.

Ogilvie, O. J., et al. (2021). "A Case Study of the Response of Immunogenic Gluten Peptides to Sourdough Proteolysis." Nutrients 13(6).

Pinto-Sanchez, M. I., et al. (2021). "Society for the Study of Celiac Disease position statement on gaps and opportunities in coeliac disease." Nature Reviews Gastroenterology and Hepatology.

Qiao, S. W., et al. (2021). "Frequency of Gluten-Reactive T Cells in Active Celiac Lesions Estimated by Direct Cell Cloning." Frontiers in Immunology 12.

Rustgi, S., et al. (2020). Health hazards associated with wheat and gluten consumption in susceptible individuals and status of research on dietary therapies. Wheat Quality For Improving Processing And Human Health: 471-515.

Segura, V., et al. (2021). "New Insights into Non-Dietary Treatment in Celiac Disease: Emerging Therapeutic Options." Nutrients 13(7).

Stenberg, R., et al. (2021). "Associations Between Subclass Profile of IgG Response to Gluten and the Gastrointestinal and Motor Symptoms in Children With Cerebral Palsy." Journal of Pediatric Gastroenterology and Nutrition 73(3): 367-375.

Verma, A. K., et al. (2021). "Current status and perspectives on the application of crispr/cas9 gene-editing system to develop a low-gluten, non-transgenic wheat variety." Foods 10(10).

Yao, Y., et al. (2021). "Differential expression profile of glutenspecific T cells identified by single-cell RNAseq." Plos One 16(10 October 2021).

Anderson, R. P. (2020). "Innate and adaptive immunity in celiac disease." Current Opinion in Gastroenterology 36(6): 470-478.

Asri, N., et al. (2021). "The Gluten Gene: Unlocking the Understanding of Gluten Sensitivity and Intolerance." Application of Clinical Genetics 14: 37-50.

Bradauskiene, V., et al. (2021). "Wheat consumption and prevalence of celiac disease: Correlation from a multilevel analysis." Critical Reviews in Food Science and Nutrition.

Ciszewski, C., et al. (2020). "Identification of a gamma c Receptor Antagonist That Prevents Reprogramming of Human Tissue-resident Cytotoxic T Cells by IL15 and IL21." Gastroenterology 158(3): 625-+.

Dias, R., et al. (2021). "Recent advances on dietary polyphenol's potential roles in Celiac Disease." Trends in Food Science & Technology 107: 213-225.

Escobar-Correas, S., et al. (2021). "Perennial Ryegrass Contains Gluten-Like Proteins That Could Contaminate Cereal Crops." Frontiers in Nutrition 8.

Fernandez, A., et al. (2021). "Allergenicity Assessment of Novel Food Proteins: What Should Be Improved?" Trends in Biotechnology 39(1): 4-8.

Gazikalovi?, I., et al. (2021). "Hydrolysis of soft wheat flour: Enhanced functional properties and the effect of starch on allergenicity reduction." Journal of Food Processing and Preservation.

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Hardy, M. Y., et al. (2021). "A Sensitive Whole Blood Assay Detects Antigen-Stimulated Cytokine Release From CD4+ T Cells and Facilitates Immunomonitoring in a Phase 2 Clinical Trial of Nexvax2 in Coeliac Disease." Frontiers in Immunology 12.

Jayawardana, I. A., et al. (2021). "The kiwifruit enzyme actinidin enhances the hydrolysis of gluten proteins during simulated gastrointestinal digestion." Food Chemistry 341.

Lindeman, I. and L. M. Sollid (2021). "Single-cell approaches to dissect adaptive immune responses involved in autoimmunity: the case of celiac disease." Mucosal Immunology.

Maignan, V., et al. (2021). "Biostimulant impacts of Glutacetine® and derived formulations (VNT1 and VNT4) on the bread wheat grain proteome." Journal of Proteomics 244.

Ogilvie, O., et al. (2020). "A targeted mass spectrometry method for the accurate label-free quantification of immunogenic gluten peptides produced during simulated digestion of food matrices." Methodsx 7.

Osman, D., et al. (2021). "Neurological manifestation of coeliac disease with particular emphasis on gluten ataxia and immunological injury: A review article." Gastroenterology and Hepatology from Bed to Bench 14(1): 1-7.

Ponce de León, C., et al. (2021). "Significance of PD1 Alternative Splicing in Celiac Disease as a Novel Source for Diagnostic and Therapeutic Target." Frontiers in Immunology 12.

Ramirez-Sanchez, A. D., et al. (2020). "Molecular Biomarkers for Celiac Disease: Past, Present and Future." International Journal of Molecular Sciences 21(22).

Sanchez-Leon, S., et al. (2021). "The alpha-Gliadins in Bread Wheat: Effect of Nitrogen Treatment on the Expression of the Major Celiac Disease Immunogenic Complex in Two RNAi Low-Gliadin Lines." Frontiers in Plant Science 12.

Shemesh, O., et al. (2021). "Machine Learning Analysis of Naive B-Cell Receptor Repertoires Stratifies Celiac Disease Patients and Controls." Frontiers in Immunology 12.

Torun, A., et al. (2021). "Intestinal Microbiota in Common Chronic Inflammatory Disorders Affecting Children." Frontiers in Immunology 12.

Voisine, J. and V. Abadie (2021). "Interplay Between Gluten, HLA, Innate and Adaptive Immunity Orchestrates the Development of Coeliac Disease." Frontiers in Immunology 12.

Zhao, L. P., et al. (2021). "Nine residues in HLA-DQ molecules determine with susceptibility and resistance to type 1 diabetes among young children in Sweden." Scientific Reports 11(1).

Anderson, R. P., et al. (2021). "Whole blood interleukin-2 release test to detect and characterize rare circulating gluten-specific T cell responses in coeliac disease." Clinical and Experimental Immunology 204(3): 321-334.

Bakker, O. B., et al. (2021). "Potential impact of celiac disease genetic risk factors on T cell receptor signaling in gluten-specific CD4+T cells." Scientific Reports 11(1).

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Cao, W. Y., et al. (2021). "Tracking Gluten throughout Brewing Using N-Terminal Labeling Mass Spectrometry." Journal of Proteome Research 20(6): 3230-3241.

Conte, M., et al. (2021). "Pro-Pre and Postbiotic in Celiac Disease." Applied Sciences-Basel 11(17).

Diós, Á., et al. (2021). "Gamma-gliadin specific celiac disease antibodies recognize p31-43 and p57-68 alpha gliadin peptides in deamidation related manner as a result of cross-reaction." Amino Acids 53(7): 1051-1063.

Espino, L. and C. Núñez (2021). The HLA complex and coeliac disease. International Review of Cell and Molecular Biology. 358: 47-83.

Frick, R., et al. (2021). "A high-affinity human TCR-like antibody detects celiac disease gluten peptide-MHC complexes and inhibits T cell activation." Science Immunology 6(62).

Gell, G., et al. (2021). "Investigation of Protein and Epitope Characteristics of Oats and Its Implications for Celiac Disease." Frontiers in Nutrition 8.

Hennigan, J. N. and M. D. Lynch (2021). "The past, present, and future of enzyme-based therapies." Drug Discovery Today.

Kivela, L., et al. (2021). "Current and emerging therapies for coeliac disease." Nature Reviews Gastroenterology & Hepatology 18(3): 181-195.

Lindeman, I., et al. (2021). "Longevity, clonal relationship, and transcriptional program of celiac disease-specific plasma cells." Journal of Experimental Medicine 218(2).

Nguyen, H., et al. (2021). "Non-Genetically Encoded Epitopes Are Relevant Targets in Autoimmune Diabetes." Biomedicines 9(2).

Ogilvie, O., et al. (2021). "The effect of baking time and temperature on gluten protein structure and celiac peptide digestibility." Food Research International 140.

Panda, R., et al. (2021). "Multiplex-Competitive ELISA for Detection and Characterization of Gluten during Yogurt Fermentation: Effects of Changes in Certain Fermentation Conditions on Gluten Protein Profiles and Method Reproducibility Assessment." Journal of Agricultural and Food Chemistry 69(27): 7742-7754.

Pronin, D., et al. (2021). "Old and modern wheat (Triticum aestivum L.) cultivars and their potential to elicit celiac disease." Food Chemistry 339.

Ribeiro, M., et al. (2021). "Advances in quantification and analysis of the celiac-related immunogenic potential of gluten." Comprehensive Reviews in Food Science and Food Safety 20(5): 4278-4298.

Schaart, J. G., et al. (2021). "Exploring the alpha-gliadin locus: the 33-mer peptide with six overlapping coeliac disease epitopes in Triticum aestivum is derived from a subgroup of Aegilops tauschii." Plant Journal 106(1): 86-94.

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Soderquist, C. R. and G. Bhagat (2021). Cellular and molecular bases of refractory celiac disease. International Review of Cell and Molecular Biology. 358: 207-240.

Vazquez, D. S., et al. (2021). "Molecular and Structural Parallels between Gluten Pathogenic Peptides and Bacterial-Derived Proteins by Bioinformatics Analysis." International Journal of Molecular Sciences 22(17).

Vriz, R., et al. (2021). "Ranking of immunodominant epitopes in celiac disease: Identification of reliable parameters for the safety assessment of innovative food proteins." Food and Chemical Toxicology 157.

Arranz, E., et al. (2021). Human intestinal dendritic cell and macrophage subsets in coeliac disease. International Review of Cell and Molecular Biology. 358: 85-104.

Bibbò, S., et al. (2020). "Coeliac disease from pathogenesis to clinical practice: Current concepts." Recenti Progressi in Medicina 111(2): 91-101.

Chirdo, F. G., et al. (2021). The gliadin p31-43 peptide: Inducer of multiple proinflammatory effects. International Review of Cell and Molecular Biology. 358: 165-205.

Dahal-Koirala, S., et al. (2021). "Comprehensive Analysis of CDR3 Sequences in Gluten-Specific T-Cell Receptors Reveals a Dominant R-Motif and Several New Minor Motifs." Frontiers in Immunology 12: 639672.

Dotsenko, V., et al. (2021). "Genome-Wide Transcriptomic Analysis of Intestinal Mucosa in Celiac Disease Patients on a Gluten-Free Diet and Postgluten Challenge." Cellular and Molecular Gastroenterology and Hepatology 11(1): 13-32.

Estevam, J., et al. (2021). "Development and validation of a high-parameter mass cytometry workflow to decipher immunomodulatory changes in celiac disease." Cytometry Part B-Clinical Cytometry 100(1): 92-102.

Gaiani, F., et al. (2020). "The Diverse Potential of Gluten from Different Durum Wheat Varieties in Triggering Celiac Disease: A Multilevel In Vitro, Ex Vivo and In Vivo Approach." Nutrients 12(11).

Halstead-Nussloch, G., et al. (2021). "Multiple Wheat Genomes Reveal Novel Gli-2 Sublocus Location and Variation of Celiac Disease Epitopes in Duplicated ?-Gliadin Genes." Frontiers in Plant Science 12.

Herrera, M. G., et al. (2020). "Structural conformation and self-assembly process of p31-43 gliadin peptide in aqueous solution. Implications for celiac disease." Febs Journal 287(10): 2134-2149.

Kurki, A., et al. (2021). "The use of peripheral blood mononuclear cells in celiac disease diagnosis and treatment." Expert Review of Gastroenterology & Hepatology 15(3): 305-316.

Lindstad, C. B., et al. (2021). "Characterization of T-cell receptor transgenic mice recognizing immunodominant HLA-DQ2.5-restricted gluten epitopes." European Journal of Immunology 51(4): 1002-1005.

Nyborg, G. A. and O. Molberg (2021). "Small intestinal biopsy findings consistent with celiac disease in patients with idiopathic inflammatory myopathy: Review of existing literature." Seminars in Arthritis and Rheumatism 51(5): 1033-1044.

Ogilvie, O., et al. (2021). "The effect of dough mixing speed and work input on the structure, digestibility and celiac immunogenicity of the gluten macropolymer within bread." Food Chemistry 359.

Pilolli, R., et al. (2020). "Prototype Gluten-Free Breads from Processed Durum Wheat: Use of Monovarietal Flours and Implications for Gluten Detoxification Strategies." Nutrients 12(12).

Pultz, I. S., et al. (2021). "Gluten Degradation, Pharmacokinetics, Safety, and Tolerability of TAK-062, an Engineered Enzyme to Treat Celiac Disease." Gastroenterology 161(1): 81-+.

Rossi, S., et al. (2021). "Transamidation Down-Regulates Intestinal Immunity of Recombinant alpha-Gliadin in HLA-DQ8 Transgenic Mice." International Journal of Molecular Sciences 22(13).

Segura, V., et al. (2021). "Rapid, effective, and versatile extraction of gluten in food with application on different immunological methods." Foods 10(3).

Stamnaes, J. (2021). "Insights from tissue "omics" analysis on intestinal remodeling in celiac disease." Proteomics: e2100057.

Verdu, E. F. and D. Schuppan (2021). "Co-factors, Microbes, and Immunogenetics in Celiac Disease to Guide Novel Approaches for Diagnosis and Treatment." Gastroenterology 161(5): 1395-1411.e1394.

Watson, H. G., et al. (2021). "Peptidomics of an industrial gluten-free barley malt beer and its non-gluten-free counterpart: Characterisation and immunogenicity." Food Chemistry 355.