# Rjoost J Van Neerven

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4306775/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 91<br>papers | 4,281<br>citations | 147801<br>31<br>h-index | 118850<br>62<br>g-index |
| 93<br>all docs | 93<br>docs citations | 93<br>times ranked | 5347<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | X-ray and NMR structure of Bet v 1, the origin of birch pollen allergy. Nature Structural Biology, 1996, 3, 1040-1045. | 9.7 | 362 |
| 2 | A Consideration of Biomarkers to be Used for Evaluation of Inflammation in Human Nutritional Studies. British Journal of Nutrition, 2013, 109, S1-S34. | 2.3 | 296 |
| 3 | The protective effect of farm milk consumption on childhood asthma and atopy: The GABRIELA study. Journal of Allergy and Clinical Immunology, 2011, 128, 766-773.e4. | 2.9 | 244 |
| 4 | Immunological Effects of Human Milk Oligosaccharides. Frontiers in Pediatrics, 2018, 6, 190. | 1.9 | 214 |
| 5 | Selective carbohydrate utilization by lactobacilli and bifidobacteria. Journal of Applied Microbiology, 2013, 114, 1132-1146. | 3.1 | 181 |
| 6 | Differential modulation of T helper type 1 (Th1) and T helper type 2 (Th2) cytokine secretion by prostaglandin E2 critically depends on interleukin-2. European Journal of Immunology, 1995, 25, 59-63. | 2.9 | 178 |
| 7 | Serum-IgE-facilitated allergen presentation in atopic disease. Journal of Immunology, 1993, 150, 3643-50. | 0.8 | 147 |
| 8 | Dominating IgE-Binding Epitope of Bet v 1, the Major Allergen of Birch Pollen, Characterized by X-ray Crystallography and Site-Directed Mutagenesis. Journal of Immunology, 2003, 171, 3084-3090. | 0.8 | 143 |
| 9 | Food Processing: The Influence of the Maillard Reaction on Immunogenicity and Allergenicity of Food Proteins. Nutrients, 2017, 9, 835. | 4.1 | 131 |
| 10 | IgE-Mediated Allergen Presentation and Blocking Antibodies: Regulation of T-Cell Activation in Allergy. International Archives of Allergy and Immunology, 2006, 141, 119-129. | 2.1 | 116 |
| 11 | Effects of Bovine Immunoglobulins on Immune Function, Allergy, and Infection. Frontiers in Nutrition, 2018, 5, 52. | 3.7 | 109 |
| 12 | The role of allergenâ€specific IgE, IgG and IgA in allergic disease. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 3627-3641. | 5.7 | 100 |
| 13 | Maintenance of tolerance to cow's milk in atopic individuals is characterized by high levels of specific immunoglobulin G4. Clinical and Experimental Allergy, 2007, 37, 1103-1110. | 2.9 | 98 |
| 14 | Consumption of unprocessed cow's milk protects infants from common respiratory infections. Journal of Allergy and Clinical Immunology, 2015, 135, 56-62.e2. | 2.9 | 96 |
| 15 | Which factors in raw cow's milk contribute to protection against allergies?. Journal of Allergy and Clinical Immunology, 2012, 130, 853-858. | 2.9 | 90 |
| 16 | Sialyllactose and Galactooligosaccharides Promote Epithelial Barrier Functioning and Distinctly Modulate Microbiota Composition and Short Chain Fatty Acid Production In Vitro. Frontiers in Immunology, 2019, 10, 94. | 4.8 | 80 |
| 17 | A double-blind, placebo-controlled birch allergy vaccination study: inhibition of CD23-mediated serum-immunoglobulin E-facilitated allergen presentation. Clinical and Experimental Allergy, 2004, 34, 420-428. | 2.9 | 77 |
| 18 | Mucosal Immune Development in Early Life: Setting the Stage. Archivum Immunologiae Et Therapiae Experimentalis, 2015, 63, 251-268. | 2.3 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Requirement of CD28â€CD86 costimulation for allergenâ€specific T cell proliferation and cytokine expression. Clinical and Experimental Allergy, 1998, 28, 808-816. | 2.9 | 59 |
| 20 | The Impact of Milk and Its Components on Epigenetic Programming of Immune Function in Early Life and Beyond: Implications for Allergy and Asthma. Frontiers in Immunology, 2020, 11, 2141. | 4.8 | 57 |
| 21 | Cowâ€™s Milk and Immune Function in the Respiratory Tract: Potential Mechanisms. Frontiers in Immunology, 2018, 9, 143. | 4.8 | 48 |
| 22 | T lymphocyte expression of thrombospondin-1 and adhesion to extracellular matrix components. European Journal of Immunology, 2002, 32, 1069-1079. | 2.9 | 44 |
| 23 | The late asthmatic response is associated with baseline allergenâ€specific proliferative responsiveness of peripheral T lymphocytes in vitro and serum interleukinâ€5. Clinical and Experimental Allergy, 1999, 29, 217-227. | 2.9 | 43 |
| 24 | Relationship between facilitated allergen presentation and the presence of allergen-specific IgE in serum of atopic patients. Clinical and Experimental Immunology, 2008, 99, 289-293. | 2.6 | 43 |
| 25 | Glucocorticosteroids affect functions of airway- and blood-derived human T-cell clones, favoring the Th1 profile through two mechanisms.. American Journal of Respiratory Cell and Molecular Biology, 1996, 14, 388-397. | 2.9 | 40 |
| 26 | Effect of birch pollenâ€“specific immunotherapy on birch pollenâ€“related hazelnut allergy. Journal of Allergy and Clinical Immunology, 2011, 127, 100-101.e3. | 2.9 | 40 |
| 27 | Differential requirements for co-stimulatory signals from B7 family members by resting versus recently activated memory T cells towards soluble recall antigens. International Immunology, 1996, 8, 37-44. | 4.0 | 38 |
| 28 | Regular Industrial Processing of Bovine Milk Impacts the Integrity and Molecular Composition of Extracellular Vesicles. Journal of Nutrition, 2021, 151, 1416-1425. | 2.9 | 37 |
| 29 | The Mucosal Factors Retinoic Acid and TGF-Î²1 Induce Phenotypically and Functionally Distinct Dendritic Cell Types. International Archives of Allergy and Immunology, 2013, 162, 225-236. | 2.1 | 36 |
| 30 | Toll-like receptor mediated activation is possibly involved in immunoregulating properties of cow's milk hydrolysates. PLoS ONE, 2017, 12, e0178191. | 2.5 | 35 |
| 31 | Somatostatin receptor (SSTR) expression and function in normal and leukaemic T-cells. Evidence for selective effects on adhesion to extracellular matrix components via SSTR2 and/or 3. Clinical and Experimental Immunology, 2001, 125, 71-79. | 2.6 | 34 |
| 32 | Immunomodulating properties of protein hydrolysates for application in cow's milk allergy. Pediatric Allergy and Immunology, 2015, 26, 206-217. | 2.6 | 34 |
| 33 | Oral cholera vaccination promotes homing of IgA+ memory B cells to the large intestine and the respiratory tract. Mucosal Immunology, 2018, 11, 1254-1264. | 6.0 | 34 |
| 34 | Dissection of the grass allergenâ€“specific immune response in patients with allergies and control subjects: T-cell proliferation in patients does not correlate with specific serum IgE and skin reactivityâ˜†â˜†â˜†â˜†.... Journal of Allergy and Clinical Immunology, 1998, 101, 241-249. | 2.9 | 33 |
| 35 | Specificity and Effector Functions of Human RSV-Specific IgG from Bovine Milk. PLoS ONE, 2014, 9, e112047. | 2.5 | 33 |
| 36 | Crossreactivity and Tâ€cell epitope specificity of Bet v 1â€specific T cells suggest the involvement of multiple isoallergens in sensitization to birch pollen. Clinical and Experimental Allergy, 1997, 27, 932-941. | 2.9 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Strategies and Future Opportunities for the Prevention, Diagnosis, and Management of Cow Milk Allergy. Frontiers in Immunology, 2021, 12, 608372. | 4.8 | 31 |
| 38 | Vectorial secretion of interleukin-8 mediates autocrine signalling in intestinal epithelial cells via apically located CXCR1. BMC Research Notes, 2013, 6, 431. | 1.4 | 30 |
| 39 | The CCâ€chemokine receptor 5 (CCR5) is a marker of, but not essential for the development of human Th1 cells. Tissue Antigens, 1999, 54, 572-577. | 1.0 | 28 |
| 40 | Highly heterogeneous Phl p 5-specific T cells from patients with allergic rhinitis differentially recognize recombinant Phl p 5 isoallergensâ˜†â˜†â˜†. Journal of Allergy and Clinical Immunology, 1999, 104, 115-122. | 2.9 | 27 |
| 41 | Humanized Anti-IgE mAb Hu-901 Prevents the Activation of Allergen-Specific T Cells. International Archives of Allergy and Immunology, 2001, 124, 400-402. | 2.1 | 26 |
| 42 | Modulation of Human Immune Responses by Bovine Interleukin-10. PLoS ONE, 2011, 6, e18188. | 2.5 | 26 |
| 43 | IgG Antibodies in Food Allergy Influence Allergenâ€“Antibody Complex Formation and Binding to B Cells: A Role for Complement Receptors. Journal of Immunology, 2013, 191, 3526-3533. | 0.8 | 26 |
| 44 | Nutrition and Allergic Diseases. Nutrients, 2017, 9, 762. | 4.1 | 25 |
| 45 | Bovine Lactoferrin Enhances TLR7-Mediated Responses in Plasmacytoid Dendritic Cells in Elderly Women: Results From a Nutritional Intervention Study With Bovine Lactoferrin, GOS and Vitamin D. Frontiers in Immunology, 2018, 9, 2677. | 4.8 | 24 |
| 46 | Flood Control: How Milk-Derived Extracellular Vesicles Can Help to Improve the Intestinal Barrier Function and Break the Gutâ€“Joint Axis in Rheumatoid Arthritis. Frontiers in Immunology, 2021, 12, 703277. | 4.8 | 24 |
| 47 | Structural comparison of Î±/Î² and Î³/Î´ T cell receptor-CD3 complexes reveals identical subunit interactions but distinct cross-linking patterns of T cell receptor chains. European Journal of Immunology, 1990, 20, 2105-2111. | 2.9 | 23 |
| 48 | Identification of a highly promiscuous and an HLA alleleâ€specific Tâ€cell epitope in the birch major allergen Bet v 1: HLA restriction, epitope mapping and TCR sequence comparisons. Clinical and Experimental Allergy, 1999, 29, 478-487. | 2.9 | 23 |
| 49 | Recent Developments in Basophil Research: Do Basophils Initiate and Perpetuate Type 2 T-Helper Cell Responses?. International Archives of Allergy and Immunology, 2013, 160, 7-17. | 2.1 | 23 |
| 50 | Induction of human tolerogenic dendritic cells by 3â€²-sialyllactose via TLR4 is explained by LPS contamination. Glycobiology, 2018, 28, 126-130. | 2.5 | 22 |
| 51 | Bovine Lactoferrin Modulates Dendritic Cell Differentiation and Function. Nutrients, 2018, 10, 848. | 4.1 | 22 |
| 52 | B7-CD28 interaction is a late acting co-stimulatory signal for human T cell responses. International Immunology, 1997, 9, 1095-1102. | 4.0 | 21 |
| 53 | Mucolytic activity of bacterial and human chitinases. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 839-846. | 2.4 | 21 |
| 54 | A proteomics-based identification of putative biomarkers for disease in bovine milk. Veterinary Immunology and Immunopathology, 2016, 174, 11-18. | 1.2 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Mechanisms Underlying the Skin-Gut Cross Talk in the Development of IgE-Mediated Food Allergy. Nutrients, 2020, 12, 3830. | 4.1 | 21 |
| 56 | Receptor Mediated Effects of Advanced Glycation End Products (AGEs) on Innate and Adaptative Immunity: Relevance for Food Allergy. Nutrients, 2022, 14, 371. | 4.1 | 21 |
| 57 | Induction of Trained Innate Immunity in Human Monocytes by Bovine Milk and Milk-Derived Immunoglobulin G. Nutrients, 2018, 10, 1378. | 4.1 | 20 |
| 58 | Plasmacytoid dendritic cell and myeloid dendritic cell function in ageing: A comparison between elderly and young adult women. PLoS ONE, 2019, 14, e0225825. | 2.5 | 20 |
| 59 | Three-Dimensional Structure and Epitopes of Bet v 1. International Archives of Allergy and Immunology, 1997, 113, 243-245. | 2.1 | 17 |
| 60 | T Cell Phenotypes of the Normal Nasal Mucosa: Induction of Th2 Cytokines and CCR3 Expression by IL-4. Journal of Immunology, 2001, 166, 2303-2310. | 0.8 | 17 |
| 61 | Differential Effects of Dry vs. Wet Heating of Î²-Lactoglobulin on Formation of sRAGE Binding Ligands and sIgE Epitope Recognition. Nutrients, 2019, 11, 1432. | 4.1 | 17 |
| 62 | BAFF augments IgA2 and ILâ€10 production by TLR7/8 stimulated total peripheral blood BÂcells. European Journal of Immunology, 2018, 48, 283-292. | 2.9 | 16 |
| 63 | The oligosaccharides 6â€™-sialyllactose, 2â€™-fucosyllactose or galactooligosaccharides do not directly modulate human dendritic cell differentiation or maturation. PLoS ONE, 2018, 13, e0200356. | 2.5 | 16 |
| 64 | The role of allergenâ€specific T cells in the allergic immune response: relevance to allergy vaccination. Allergy: European Journal of Allergy and Clinical Immunology, 1999, 54, 552-561. | 5.7 | 15 |
| 65 | Identification of isoformâ€specific Tâ€cell epitopes in the major timothy grass pollen allergen, Phl p 5. Clinical and Experimental Allergy, 1999, 29, 1614-1625. | 2.9 | 15 |
| 66 | Novel standardized method for extracellular flux analysis of oxidative and glycolytic metabolism in peripheral blood mononuclear cells. Scientific Reports, 2021, 11, 1662. | 3.3 | 15 |
| 67 | Bovine IgG Prevents Experimental Infection With RSV and Facilitates Human T Cell Responses to RSV. Frontiers in Immunology, 2020, 11, 1701. | 4.8 | 13 |
| 68 | Bovine Milkâ€Derived Extracellular Vesicles Inhibit Catabolic and Inflammatory Processes in Cartilage from Osteoarthritis Patients. Molecular Nutrition and Food Research, 2022, 66, e2100764. | 3.3 | 13 |
| 69 | The effects of milk and colostrum on allergy and infection: Mechanisms and implications. Animal Frontiers, 2014, 4, 16-22. | 1.7 | 12 |
| 70 | Babies, Bugs, and Barriers: Dietary Modulation of Intestinal Barrier Function in Early Life. Annual Review of Nutrition, 2022, 42, 165-200. | 10.1 | 12 |
| 71 | Binding of CML-Modified as Well as Heat-Glycated Î²-lactoglobulin to Receptors for AGEs Is Determined by Charge and Hydrophobicity. International Journal of Molecular Sciences, 2020, 21, 4567. | 4.1 | 11 |
| 72 | Ingestion, Immunity, and Infection: Nutrition and Viral Respiratory Tract Infections. Frontiers in Immunology, 2022, 13, 841532. | 4.8 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Human amniotic fluid antibodies protect the neonate against respiratory syncytial virus infection. Journal of Allergy and Clinical Immunology, 2016, 138, 1477-1480.e5. | 2.9 | 9 |
| 74 | Relevance of Early Introduction of Cowâ€™s Milk Proteins for Prevention of Cowâ€™s Milk Allergy. Nutrients, 2022, 14, 2659. | 4.1 | 9 |
| 75 | Grass pollen allergens: new developments. Clinical and Experimental Allergy, 1998, 28, 784-787. | 2.9 | 8 |
| 76 | The Two Faces of Cowâ€™s Milk and Allergy: Induction of Cowâ€™s Milk Allergy vs. Prevention of Asthma. Nutrients, 2019, 11, 1945. | 4.1 | 8 |
| 77 | In Vitro Induction of Trained Innate Immunity by bIgG and Whey Protein Extracts. International Journal of Molecular Sciences, 2020, 21, 9077. | 4.1 | 8 |
| 78 | Extracellular flux analyses reveal differences in mitochondrial PBMC metabolism between high-fit and low-fit females. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E141-E153. | 3.5 | 8 |
| 79 | House dust mite-specific IgA2 is associated with protection against eczema in allergic patients. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 563-566. | 5.7 | 7 |
| 80 | Differential Recognition of Recombinant Phl p 5 Isoallergens by Phl p 5â€“Specific T Cells. International Archives of Allergy and Immunology, 1999, 118, 125-128. | 2.1 | 6 |
| 81 | A Novel Bispecific Antihuman CD40/CD86 Fusion Protein with T-cell Tolerizing Potential. Transplantation, 2004, 78, 1429-1438. | 1.0 | 6 |
| 82 | Late rather than early responses of human dendritic cells highlight selective induction of cytokines, chemokines and growth factors by probiotic bacteria. Beneficial Microbes, 2010, 1, 109-119. | 2.4 | 6 |
| 83 | Enhanced Uptake of Processed Bovine Î²â€Lactoglobulin by Antigen Presenting Cells: Identification of Receptors and Implications for Allergenicity. Molecular Nutrition and Food Research, 2021, 65, e2000834. | 3.3 | 6 |
| 84 | Introduction of Heated Cowâ€™s Milk Protein in Challenge-Proven Cowâ€™s Milk Allergic Children: The iAGE Study. Nutrients, 2022, 14, 629. | 4.1 | 6 |
| 85 | Phleum pratenseâ€specific T cells of allergic rhinitis patients display a broader recognition pattern than Phleum pratenseâ€specific serum immunoglobulin E. Clinical and Experimental Allergy, 2000, 30, 242-254. | 2.9 | 5 |
| 86 | Blockade of CTLA-4 (CD152) enhances the murine antibody response to pneumococcal capsular polysaccharides. Journal of Leukocyte Biology, 2005, 78, 1060-1069. | 3.3 | 5 |
| 87 | Asthma-Associated Long TSLP Inhibits the Production of IgA. International Journal of Molecular Sciences, 2021, 22, 3592. | 4.1 | 5 |
| 88 | The Effect of Nutritional Intervention with Lactoferrin, Galactooligosacharides and Vitamin D on the Gut Microbiota Composition of Healthy Elderly Women. Nutrients, 2022, 14, 2468. | 4.1 | 4 |
| 89 | A Double-Blind, Randomized Intervention Study on the Effect of a Whey Protein Concentrate on E. coli-Induced Diarrhea in a Human Infection Model. Nutrients, 2022, 14, 1204. | 4.1 | 2 |
| 90 | Milk Modulates Campylobacter Invasion into Caco-2 Intestinal Epithelial Cells. European Journal of Microbiology and Immunology, 2015, 5, 181-187. | 2.8 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Reply. Journal of Allergy and Clinical Immunology, 2013, 131, 927-928. | 2.9 | 0 |