# Rickard Holmdahl

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4774576/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 436 papers | 25,184 citations | 5569 82 h-index | 10724 138 g-index |
| 446 all docs | 446 docs citations | 446 times ranked | 22995 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of Oxidative Stress and Toll-like Receptor 4 Signaling as a Key Pathway of Acute Lung Injury. Cell, 2008, 133, 235-249. | 13.5 | 1,164 |
| 2 | Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973. | 1.6 | 766 |
| 3 | Aggregated neutrophil extracellular traps limit inflammation by degrading cytokines and chemokines. Nature Medicine, 2014, 20, 511-517. | 15.2 | 734 |
| 4 | Positional identification of Ncf1 as a gene that regulates arthritis severity in rats. Nature Genetics, 2003, 33, 25-32. | 9.4 | 617 |
| 5 | Expression of a transgenic class IIAb gene confers susceptibility to collagen-induced arthritis. European Journal of Immunology, 1994, 24, 1698-1702. | 1.6 | 429 |
| 6 | Characterization of the antibody response in mice with type II collagenâ€“induced arthritis, using monoclonal antiâ€“type II collagen antibodies. Arthritis and Rheumatism, 1986, 29, 400-410. | 6.7 | 382 |
| 7 | Predominant selection of T cells specific for the glycosylated collagen type II epitope (263-270) in humanized transgenic mice and in rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9960-9965. | 3.3 | 370 |
| 8 | Enhanced autoimmunity, arthritis, and encephalomyelitis in mice with a reduced oxidative burst due to a mutation in the Ncf1 gene. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12646-12651. | 3.3 | 316 |
| 9 | A humanized model for multiple sclerosis using HLA-DR2 and a human T-cell receptor. Nature Genetics, 1999, 23, 343-347. | 9.4 | 308 |
| 10 | Type II Collagen Autoimmunity in Animals and Provocations Leading to Arthritis. Immunological Reviews, 1990, 118, 193-232. | 2.8 | 283 |
| 11 | Regulation of autoantibody activity by the IL-23â€“TH17 axis determines the onset of autoimmune disease. Nature Immunology, 2017, 18, 104-113. | 7.0 | 274 |
| 12 | Collagen Type II-Specific Monoclonal Antibody-Induced Arthritis in Mice. American Journal of Pathology, 2003, 163, 1827-1837. | 1.9 | 273 |
| 13 | Progress and prospects in rat genetics: a community view. Nature Genetics, 2008, 40, 516-522. | 9.4 | 265 |
| 14 | Glycosylation of type?II collagen is of major importance for T cell tolerance and pathology in collagen-induced arthritis. European Journal of Immunology, 2002, 32, 3776-3784. | 1.6 | 264 |
| 15 | Induction of regulatory T cells by macrophages is dependent on production of reactive oxygen species. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17686-17691. | 3.3 | 234 |
| 16 | Induced disruption of the transforming growth factor beta type II receptor gene in mice causes a lethal inflammatory disorder that is transplantable. Blood, 2002, 100, 560-568. | 0.6 | 219 |
| 17 | Estrogen induces a potent suppression of experimental autoimmune encephalomyelities and collagen-induced arthritis in mice. Journal of Neuroimmunology, 1994, 53, 203-207. | 1.1 | 217 |
| 18 | Structure and pathogenicity of antibodies specific for citrullinated collagen type II in experimental arthritis. Journal of Experimental Medicine, 2009, 206, 449-462. | 4.2 | 215 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Macrophages suppress T cell responses and arthritis development in mice by producing reactive oxygen species. Journal of Clinical Investigation, 2007, 117, 3020-3028. | 3.9 | 212 |
| 20 | T cell surface redox levels determine T cell reactivity and arthritis susceptibility. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12831-12836. | 3.3 | 211 |
| 21 | IFN-Î² Gene Deletion Leads to Augmented and Chronic Demyelinating Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2003, 170, 4776-4784. | 0.4 | 205 |
| 22 | Humoral immune response to citrullinated collagen type II determinants in early rheumatoid arthritis. European Journal of Immunology, 2005, 35, 1643-1652. | 1.6 | 205 |
| 23 | Autoantibodies to citrullinated proteins may induce joint pain independent of inflammation. Annals of the Rheumatic Diseases, 2016, 75, 730-738. | 0.5 | 205 |
| 24 | A putative vulnerability locus to multiple sclerosis maps to 5p14â€“p12 in a region syntenic to the murine locus Eae2. Nature Genetics, 1996, 13, 477-480. | 9.4 | 200 |
| 25 | Genetic control of arthritis onset, severity and chronicity in a model for rheumatoid arthritis in rats. Nature Genetics, 1998, 20, 401-404. | 9.4 | 195 |
| 26 | Arthritis induced in rats with non-immunogenic adjuvants as models for rheumatoid arthritis. Immunological Reviews, 2001, 184, 184-202. | 2.8 | 190 |
| 27 | The protective role of ROS in autoimmune disease. Trends in Immunology, 2009, 30, 201-208. | 2.9 | 190 |
| 28 | Antibodies to several citrullinated antigens are enriched in the joints of rheumatoid arthritis patients. Arthritis and Rheumatism, 2010, 62, 44-52. | 6.7 | 189 |
| 29 | Homologous type II collagen induces chronic and progressive arthritis in mice. Arthritis and Rheumatism, 1986, 29, 106-113. | 6.7 | 185 |
| 30 | Induction of autoimmune disease by deletion of CTLA-4 in mice in adulthood. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2383-92. | 3.3 | 185 |
| 31 | Combined sequence-based and genetic mapping analysis of complex traits in outbred rats. Nature Genetics, 2013, 45, 767-775. | 9.4 | 176 |
| 32 | NOX2 Complexâ€“Derived ROS as Immune Regulators. Antioxidants and Redox Signaling, 2011, 15, 2197-2208. | 2.5 | 174 |
| 33 | Identification of murine loci associated with susceptibility to chronic experimental autoimmune encephalomyelitis. Nature Genetics, 1995, 10, 313-317. | 9.4 | 169 |
| 34 | Multiplex Analyses of Antibodies Against Citrullinated Peptides in Individuals Prior to Development of Rheumatoid Arthritis. Arthritis and Rheumatism, 2013, 65, 899-910. | 6.7 | 163 |
| 35 | Epitope glycosylation plays a critical role for T cell recognition of type II collagen in collagen-induced arthritis. European Journal of Immunology, 1998, 28, 2580-2590. | 1.6 | 156 |
| 36 | The molecular pathogenesis of collagen-induced arthritis in miceâ€”a model for rheumatoid arthritis. Ageing Research Reviews, 2002, 1, 135-147. | 5.0 | 155 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | In vivo imaging of reactive oxygen and nitrogen species in inflammation using the luminescent probe L-012. Free Radical Biology and Medicine, 2009, 47, 760-766. | 1.3 | 152 |
| 38 | Epitope-specific recognition of type II collagen by rheumatoid arthritis antibodies is shared with recognition by antibodies that are arthritogenic in collagen-induced arthritis in the mouse. Arthritis and Rheumatism, 2002, 46, 2339-2348. | 6.7 | 151 |
| 39 | Estrogen accelerates immune complex glomerulonephritis but ameliorates T cell-mediated vasculitis and sialadenitis in autoimmune MRL lpr/lpr mice. Cellular Immunology, 1992, 144, 190-202. | 1.4 | 146 |
| 40 | Treatment with gamma-interferon triggers the onset of collagen arthritis in mice. Arthritis and Rheumatism, 1988, 31, 1297-1304. | 6.7 | 144 |
| 41 | Rheumatoid arthritis and the complement system. Annals of Medicine, 2007, 39, 517-530. | 1.5 | 143 |
| 42 | Genetic and environmental determinants for disease risk in subsets of rheumatoid arthritis defined by the anticitrullinated protein/peptide antibody fine specificity profile. Annals of the Rheumatic Diseases, 2013, 72, 652-658. | 0.5 | 137 |
| 43 | Genetic linkage analysis of collagen-induced arthritis in the mouse. European Journal of Immunology, 1998, 28, 3321-3328. | 1.6 | 136 |
| 44 | Environmental and genetic factors in the development of anticitrullinated protein antibodies (ACPAs) and ACPA-positive rheumatoid arthritis: an epidemiological investigation in twins. Annals of the Rheumatic Diseases, 2015, 74, 375-380. | 0.5 | 132 |
| 45 | Homologous type ii collagenâ€"induced arthritis in rats. Arthritis and Rheumatism, 1990, 33, 693-701. | 6.7 | 128 |
| 46 | Adjuvant oils induce arthritis in the DA rat. I. Characterization of the disease and evidence for an immunological involvement. Journal of Autoimmunity, 1991, 4, 871-880. | 3.0 | 128 |
| 47 | Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. Nature Communications, 2019, 10, 4623. | 5.8 | 128 |
| 48 | Female sex hormones suppress development of collagen-induced arthritis in mice. Arthritis and Rheumatism, 1986, 29, 1501-1509. | 6.7 | 126 |
| 49 | Identification of an immunodominant type-II collagen peptide recognized by T cells in H-2q mice: self tolerance at the level of determinant selection. European Journal of Immunology, 1992, 22, 1819-1825. | 1.6 | 126 |
| 50 | Antibody-induced arthritis: disease mechanisms and genes involved at the effector phase of arthritis. Arthritis Research and Therapy, 2006, 8, 223. | 1.6 | 124 |
| 51 | A New Arthritis Therapy with Oxidative Burst Inducers. PLoS Medicine, 2006, 3, e348. | 3.9 | 123 |
| 52 | A novel long noncoding RNA Lncâ€HC binds hnRNPA2B1 to regulate expressions of Cyp7a1 and Abca1 in hepatocytic cholesterol metabolism. Hepatology, 2016, 64, 58-72. | 3.6 | 122 |
| 53 | Mannan induces ROS-regulated, IL-17Aâ€"dependent psoriasis arthritis-like disease in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3669-78. | 3.3 | 121 |
| 54 | Induction of arthritis by single monoclonal IgG anti-collagen type II antibodies and enhancement of arthritis in mice lacking inhibitory FcÎ³RIIB. European Journal of Immunology, 2003, 33, 2269-2277. | 1.6 | 119 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Collagen type II (CII)-specific antibodies induce arthritis in the absence of T or B cells but the arthritis progression is enhanced by CII-reactive T cells. Arthritis Research, 2004, 6, R544. | 2.0 | 119 |
| 56 | Efficient promotion of collagen antibody induced arthritis (CAIA) using four monoclonal antibodies specific for the major epitopes recognized in both collagen induced arthritis and rheumatoid arthritis. Journal of Immunological Methods, 2005, 304, 126-136. | 0.6 | 117 |
| 57 | Experimental lupus is aggravated in mouse strains with impaired induction of neutrophil extracellular traps. JCI Insight, 2017, 2, . | 2.3 | 115 |
| 58 | Rheumatoid Arthritis: The Role of Reactive Oxygen Species in Disease Development and Therapeutic Strategies. Antioxidants and Redox Signaling, 2007, 9, 1541-1568. | 2.5 | 114 |
| 59 | The Th2 cytokines IL-4 and IL-10 are not crucial for the completion of allogeneic pregnancy in mice. Journal of Reproductive Immunology, 2001, 51, 3-7. | 0.8 | 112 |
| 60 | Ncf1 polymorphism reveals oxidative regulation of autoimmune chronic inflammation. Immunological Reviews, 2016, 269, 228-247. | 2.8 | 112 |
| 61 | Analysis of type II collagen-reactive T cells in the mouse I. Different regulation of autoreactivevs. non-autoreactive anti-type II collagen T cells in the DBA/1 mouse. European Journal of Immunology, 1990, 20, 1061-1066. | 1.6 | 111 |
| 62 | Complement activation by both classical and alternative pathways is critical for the effector phase of arthritis. European Journal of Immunology, 2004, 34, 1208-1216. | 1.6 | 108 |
| 63 | Endoglycosidase treatment abrogates IgG arthritogenicity: Importance of IgG glycosylation in arthritis. European Journal of Immunology, 2007, 37, 2973-2982. | 1.6 | 108 |
| 64 | Reactive Oxygen Species Deficiency Induces Autoimmunity with Type 1 Interferon Signature. Antioxidants and Redox Signaling, 2014, 21, 2231-2245. | 2.5 | 107 |
| 65 | High antibody response to autologous type II collagen is restricted to H-2 q. Immunogenetics, 1986, 24, 84-89. | 1.2 | 104 |
| 66 | Collagen induced arthritis as an experimental model for rheumatoid arthritis. Apmis, 1989, 97, 575-584. | 0.9 | 104 |
| 67 | Anti-carbamylated protein antibodies in the pre-symptomatic phase of rheumatoid arthritis, their relationship with multiple anti-citrulline peptide antibodies and association with radiological damage. Arthritis Research and Therapy, 2015, 17, 25. | 1.6 | 103 |
| 68 | A single nucleotide polymorphism in theNCF1gene leading to reduced oxidative burst is associated with systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2017, 76, 1607-1613. | 0.5 | 103 |
| 69 | Autoimmune priming, tissue attack and chronic inflammation â€" <scp>T</scp>he three stages of rheumatoid arthritis. European Journal of Immunology, 2014, 44, 1593-1599. | 1.6 | 102 |
| 70 | Collagen antibodyâ€"induced arthritis evokes persistent pain with spinal glial involvement and transient prostaglandin dependency. Arthritis and Rheumatism, 2012, 64, 3886-3896. | 6.7 | 97 |
| 71 | Evidence for Common Autoimmune Disease Genes Controlling Onset, Severity, and Chronicity Based on Experimental Models for Multiple Sclerosis and Rheumatoid Arthritis. Journal of Immunology, 2000, 164, 1564-1568. | 0.4 | 95 |
| 72 | IL-10-Deficient B10.Q Mice Develop More Severe Collagen-Induced Arthritis, but Are Protected from Arthritis Induced with Anti-Type II Collagen Antibodies. Journal of Immunology, 2001, 167, 3505-3512. | 0.4 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Clonal expansion of T lymphocytes causes arthritis and mortality in mice infected with toxic shock syndrome toxin-1-producing staphylococci. European Journal of Immunology, 1994, 24, 1161-1166. | 1.6 | 92 |
| 74 | The occurrence of autoantibodies to matrilin 1 reflects a tissue-specific response to cartilage of the respiratory tract in patients with relapsing polychondritis. Arthritis and Rheumatism, 2001, 44, 2402-2412. | 6.7 | 92 |
| 75 | Ethanol prevents development of destructive arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 258-263. | 3.3 | 92 |
| 76 | Animal models for arthritis: innovative tools for prevention and treatment. Annals of the Rheumatic Diseases, 2011, 70, 1357-1362. | 0.5 | 92 |
| 77 | Arthritis-related B Cell Epitopes in Collagen II Are Conformation-dependent and Sterically Privileged in Accessible Sites of Cartilage Collagen Fibrils. Journal of Biological Chemistry, 1998, 273, 1551-1561. | 1.6 | 91 |
| 78 | Mouse models for rheumatoid arthritis. Trends in Genetics, 2002, 18, S7-S13. | 2.9 | 91 |
| 79 | Genetics of susceptibility to chronic experimental encephalomyelitis and arthritis. Current Opinion in Immunology, 1998, 10, 710-717. | 2.4 | 90 |
| 80 | Reactive Oxygen Species Produced by the NADPH Oxidase 2 Complex in Monocytes Protect Mice from Bacterial Infections. Journal of Immunology, 2012, 188, 5003-5011. | 0.4 | 90 |
| 81 | A rapid and efficient immunization protocol for production of monoclonal antibodies reactive with autoantigens. Journal of Immunological Methods, 1985, 83, 379-384. | 0.6 | 89 |
| 82 | Collagen-induced arthritis development requires Î±Î² T cells but not Î³Î´ T cells: studies with T cell-deficient (TCR mutant) mice. International Immunology, 1999, 11, 1065-1073. | 1.8 | 88 |
| 83 | NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. Free Radical Biology and Medicine, 2017, 112, 387-396. | 1.3 | 88 |
| 84 | Lack of Reactive Oxygen Species Breaks T Cell Tolerance to Collagen Type II and Allows Development of Arthritis in Mice. Journal of Immunology, 2007, 179, 1431-1437. | 0.4 | 85 |
| 85 | The structural basis of MHC control of collagen-induced arthritis; binding of the immunodominant type II collagen 256â€‰â€“â€‰270 glycopeptide to H-2Aq and H-2Ap molecules. European Journal of Immunology, 1998, 28, 755-766. | 3.6 | 84 |
| 86 | A case-control study of rheumatoid arthritis identifies an associated single nucleotide polymorphism in the NCF4 gene, supporting a role for the NADPH-oxidase complex in autoimmunity. Arthritis Research and Therapy, 2007, 9, R98. | 1.6 | 84 |
| 87 | Neuroendocrine Profile in a Rat Model of Psychosocial Stress: Relation to Oxidative Stress. Antioxidants and Redox Signaling, 2013, 18, 1385-1399. | 2.5 | 84 |
| 88 | Anti-T cell receptor antibody treatment of rats with established autologous collagen-induced arthritis: suppression of arthritis without reduction of anti-type II collagen autoantibody levels. European Journal of Immunology, 1991, 21, 1327-1330. | 1.6 | 83 |
| 89 | Genetic control of collagen-induced arthritis in a cross with NOD and C57BL/10 mice is dependent on gene regions encoding complement factor 5 and FcÎ³RIIb and is not associated with loci controlling diabetes. European Journal of Immunology, 2001, 31, 1847-1856. | 1.6 | 83 |
| 90 | Antibodies to citrullinated proteins: molecular interactions and arthritogenicity. Immunological Reviews, 2010, 233, 9-33. | 2.8 | 83 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Transgenic mouse models of rheumatoid arthritis. Immunological Reviews, 1999, 169, 161-173. | 2.8 | 82 |
| 92 | Validation of a multiplex chip-based assay for the detection of autoantibodies against citrullinated peptides. Arthritis Research and Therapy, 2012, 14, R201. | 1.6 | 82 |
| 93 | T Cells Recognize a Glycopeptide Derived from Type II Collagen in a Model for Rheumatoid Arthritis. Journal of the American Chemical Society, 1998, 120, 7676-7683. | 6.6 | 78 |
| 94 | Integrated bioprocess for the production and isolation of urokinase from animal cell culture using supermacroporous cryogel matrices. Biotechnology and Bioengineering, 2006, 93, 636-646. | 1.7 | 76 |
| 95 | Monocyte- and Macrophage-Targeted NADPH Oxidase Mediates Antifungal Host Defense and Regulation of Acute Inflammation in Mice. Journal of Immunology, 2013, 190, 4175-4184. | 0.4 | 75 |
| 96 | Clever-1/Stabilin-1 Controls Cancer Growth and Metastasis. Clinical Cancer Research, 2014, 20, 6452-6464. | 3.2 | 75 |
| 97 | Chronic development of collagen-induced arthritis is associated with arthritogenic antibodies against specific epitopes on type II collagen. Arthritis Research and Therapy, 2005, 7, R1148. | 1.6 | 74 |
| 98 | Pristane, a Non-Antigenic Adjuvant, Induces MHC Class II-Restricted, Arthritogenic T Cells in the Rat. Journal of Immunology, 2006, 176, 1172-1179. | 0.4 | 73 |
| 99 | The cathelicidins LL-37 and rCRAMP are associated with pathogenic events of arthritis in humans and rats. Annals of the Rheumatic Diseases, 2013, 72, 1239-1248. | 0.5 | 73 |
| 100 | The major histocompatibility complex influences myelin basic protein 63-88-induced T cell cytokine profile and experimental autoimmune encephalomyelitis. European Journal of Immunology, 1993, 23, 3089-3095. | 1.6 | 72 |
| 101 | The major T cell epitope on type II collagen is glycosylated in normal cartilage but modified by arthritis in both rats and humans. European Journal of Immunology, 2005, 35, 357-366. | 1.6 | 72 |
| 102 | The Plasminogen Activator/Plasmin System Is Essential for Development of the Joint Inflammatory Phase of Collagen Type II-Induced Arthritis. American Journal of Pathology, 2005, 166, 783-792. | 1.9 | 72 |
| 103 | A resource for the simultaneous high-resolution mapping of multiple quantitative trait loci in rats: The NIH heterogeneous stock. Genome Research, 2009, 19, 150-158. | 2.4 | 72 |
| 104 | Cartilage-binding antibodies induce pain through immune complexâ€“mediated activation of neurons. Journal of Experimental Medicine, 2019, 216, 1904-1924. | 4.2 | 71 |
| 105 | Antigen processing and presentation of a naturally glycosylated protein elicits major histocompatibility complex class II-restricted, carbohydrate-specific T cells. European Journal of Immunology, 1996, 26, 1906-1910. | 1.6 | 70 |
| 106 | A comparative analysis of B cell-mediated myelin oligodendrocyte glycoprotein-experimental autoimmune encephalomyelitis pathogenesis in B cell-deficient mice reveals an effect on demyelination. European Journal of Immunology, 2002, 32, 1939. | 1.6 | 70 |
| 107 | Immunoglobulin-Secreting Cells of Maternal Origin Can Be Detected in B Cell-Deficient Mice1. Biology of Reproduction, 2000, 63, 1817-1824. | 1.2 | 69 |
| 108 | Dependence of SARS-CoV-2 infection on cholesterol-rich lipid raft and endosomal acidification. Computational and Structural Biotechnology Journal, 2021, 19, 1933-1943. | 1.9 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Reactivity of monoclonal anti-type II collagen antibodies with cartilage and synovial tissue in rheumatoid arthritis and osteoarthritis. Arthritis and Rheumatism, 1986, 29, 730-738. | 6.7 | 68 |
| 110 | Copy Number Variation of the GeneNCF1Is Associated with Rheumatoid Arthritis. Antioxidants and Redox Signaling, 2012, 16, 71-78. | 2.5 | 68 |
| 111 | Macrophages, but not dendritic cells, present collagen to T cells. European Journal of Immunology, 1995, 25, 2234-2241. | 1.6 | 66 |
| 112 | Screening of several H-2 congenic mouse strains identified H-2q mice as highly susceptible to MOG-induced EAE with minimal adjuvant requirement. Journal of Neuroimmunology, 2000, 111, 23-33. | 1.1 | 66 |
| 113 | The role of collagen antibodies in mediating arthritis. Modern Rheumatology, 2008, 18, 429-441. | 0.9 | 66 |
| 114 | T cells specific for post-translational modifications escape intrathymic tolerance induction. Nature Communications, 2018, 9, 353. | 5.8 | 66 |
| 115 | Structural Basis of Crossâ€Reactivity of Antiâ€“Citrullinated Protein Antibodies. Arthritis and Rheumatology, 2019, 71, 210-221. | 2.9 | 64 |
| 116 | Chronic experimental autoimmune encephalomyelitis induced by the 89-101 myelin basic protein peptide in B10RIII (Hï¿2r) mice. European Journal of Immunology, 1991, 21, 693-699. | 1.6 | 62 |
| 117 | Comment on "The Influence of the Proinflammatory Cytokine, Osteopontin, on Autoimmune Demyelinating Disease". Science, 2003, 299, 1845a-1845. | 6.0 | 62 |
| 118 | A new animal model for relapsing polychondritis, induced by cartilage matrix protein (matrilin-1). Journal of Clinical Investigation, 1999, 104, 589-598. | 3.9 | 62 |
| 119 | The need for littermate controls. European Journal of Immunology, 2012, 42, 45-47. | 1.6 | 61 |
| 120 | Rheumatoid factor isotypes in relation to antibodies against citrullinated peptides and carbamylated proteins before the onset of rheumatoid arthritis. Arthritis Research and Therapy, 2016, 18, 43. | 1.6 | 61 |
| 121 | Identification of New Citrullineâ€Specific Autoantibodies, Which Bind to Human Arthritic Cartilage, by Mass Spectrometric Analysis of Citrullinated Type II Collagen. Arthritis and Rheumatology, 2014, 66, 1440-1449. | 2.9 | 60 |
| 122 | Enhanced XOR activity in eNOS-deficient mice. Free Radical Biology and Medicine, 2016, 99, 472-484. | 1.3 | 60 |
| 123 | How well do ACPA discriminate and predict RA in the general population: a study based on 12â€...590 population-representative Swedish twins. Annals of the Rheumatic Diseases, 2017, 76, 119-125. | 0.5 | 60 |
| 124 | Characterization of a spontaneously occurring arthritis in male DBA/1 mice. Arthritis and Rheumatism, 1992, 35, 717-722. | 6.7 | 59 |
| 125 | Monoclonal anti-parathyroid antibodies interfering with a Ca2+-sensor of human parathyroid cells. Biochemical and Biophysical Research Communications, 1987, 143, 570-574. | 1.0 | 58 |
| 126 | Hyperinflammation of chronic granulomatous disease is abolished by NOX2 reconstitution in macrophages and dendritic cells. Journal of Pathology, 2012, 228, 341-350. | 2.1 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Therapeutic Vaccination of Active Arthritis with a Glycosylated Collagen Type II Peptide in Complex with MHC Class II Molecules. Journal of Immunology, 2006, 176, 1525-1533. | 0.4 | 56 |
| 128 | Pathogenic IgG Antibodies against Desmoglein 3 in Pemphigus Vulgaris Are Regulated by HLA-DRB1*04:02â€“Restricted T Cells. Journal of Immunology, 2014, 193, 4391-4399. | 0.4 | 56 |
| 129 | Animal Models of Rheumatoid Arthritis (I): Pristane-Induced Arthritis in the Rat. PLoS ONE, 2016, 11, e0155936. | 1.1 | 56 |
| 130 | The Rheumatoid Arthritis-Associated Autoantigen hnRNP-A2 (RA33) Is a Major Stimulator of Autoimmunity in Rats with Pristane-Induced Arthritis. Journal of Immunology, 2007, 179, 7568-7576. | 0.4 | 54 |
| 131 | CD1-Dependent Regulation of Chronic Central Nervous System Inflammation in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2004, 172, 186-194. | 0.4 | 53 |
| 132 | Arthritogenic antibodies specific for a major type II collagen tripleâ€helical epitope bind and destabilize cartilage independent of inflammation. Arthritis and Rheumatism, 2008, 58, 184-196. | 6.7 | 53 |
| 133 | Association of NOX2 subunits genetic variants with autoimmune diseases. Free Radical Biology and Medicine, 2018, 125, 72-80. | 1.3 | 53 |
| 134 | The structure, specificity and function of anti-citrullinated protein antibodies. Nature Reviews Rheumatology, 2019, 15, 503-508. | 3.5 | 53 |
| 135 | Hydrogen Peroxide As an Immunological Transmitter Regulating Autoreactive T Cells. Antioxidants and Redox Signaling, 2013, 18, 1463-1474. | 2.5 | 51 |
| 136 | â€˜SMASHâ€™ recommendations for standardised microscopic arthritis scoring of histological sections from inflammatory arthritis animal models. Annals of the Rheumatic Diseases, 2021, 80, 714-726. | 0.5 | 51 |
| 137 | Anti-citrullinated protein antibodies cause arthritis by cross-reactivity to joint cartilage. JCI Insight, 2017, 2, . | 2.3 | 51 |
| 138 | Collagen Antibody Induced Arthritis. Methods in Molecular Medicine, 2007, 136, 215-223. | 0.8 | 50 |
| 139 | Binding of autoreactive mouse anti-type II collagen antibodies derived from the primary and the secondary immune response investigated with the biosensor technique. Journal of Immunological Methods, 1995, 188, 63-71. | 0.6 | 49 |
| 140 | Influence of CD4 or CD8 deficiency on collagen-induced arthritis. Immunology, 2001, 103, 291-300. | 2.0 | 49 |
| 141 | IL-4-deficient mice develop less acute but more chronic relapsing collagen-induced arthritis. European Journal of Immunology, 2002, 32, 2944-2953. | 1.6 | 49 |
| 142 | Relapsing Polychondritis, Induced in Mice with Matrilin 1, Is an Antibody- and Complement-Dependent Disease. American Journal of Pathology, 2004, 164, 959-966. | 1.9 | 49 |
| 143 | Identification of a region in p47phox/NCF1 crucial for phagocytic NADPH oxidase (NOX2) activation. Journal of Leukocyte Biology, 2012, 93, 427-435. | 1.5 | 49 |
| 144 | Multifunctional T cell reactivity with native and glycosylated type II collagen in rheumatoid arthritis. Arthritis and Rheumatism, 2012, 64, 2482-2488. | 6.7 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Presence of autoantibodies in â€œseronegativeâ€•rheumatoid arthritis associates with classical risk factors and high disease activity. Arthritis Research and Therapy, 2020, 22, 170. | 1.6 | 48 |
| 146 | Neurodegeneration and glial activation patterns after mechanical nerve injury are differentially regulated by non-MHC genes in congenic inbred rat strains. Journal of Comparative Neurology, 2001, 431, 75-87. | 0.9 | 47 |
| 147 | The role of collagen antibodies in mediating arthritis. Modern Rheumatology, 2008, 18, 429-441. | 0.9 | 47 |
| 148 | Estrogen induced suppression of collagen arthritis V: Physiological level of estrogen in DBA1 mice is therapeutic on established arthritis, suppresses anti-type II collagen T-cell dependent immunity and stimulates polyclonal B-cell activity. Journal of Autoimmunity, 1990, 3, 257-270. | 3.0 | 46 |
| 149 | Approach for Identifying Human Leukocyte Antigen (HLA)-DR Bound Peptides from Scarce Clinical Samples. Molecular and Cellular Proteomics, 2016, 15, 3017-3029. | 2.5 | 46 |
| 150 | Associations of antibodies against citrullinated peptides with human leukocyte antigen-shared epitope and smoking prior to the development of rheumatoid arthritis. Arthritis Research and Therapy, 2015, 17, 125. | 1.6 | 45 |
| 151 | Adaptations to high-intensity interval training in skeletal muscle require NADPH oxidase 2. Redox Biology, 2019, 24, 101188. | 3.9 | 45 |
| 152 | Autoimmune Recognition of Cartilage Collagens. Annals of Medicine, 1993, 25, 251-264. | 1.5 | 44 |
| 153 | Evaluation of the Percentage of Peripheral T Cells with Two Different T Cell Receptor Î±-Chains and of their Potential Role in Autoimmunity. Journal of Autoimmunity, 2001, 16, 423-429. | 3.0 | 44 |
| 154 | The mtDNA nt7778 G/T polymorphism affects autoimmune diseases and reproductive performance in the mouse. Human Molecular Genetics, 2009, 18, 4689-4698. | 1.4 | 44 |
| 155 | Structures on the I-A molecule predisposing for susceptibility to type II collagen-induced autoimmune arthritis. European Journal of Immunology, 1990, 20, 2127-2131. | 1.6 | 43 |
| 156 | Ncf1 (p47phox) polymorphism determines oxidative burst and the severity of arthritis in rats and mice. Cellular Immunology, 2005, 233, 97-101. | 1.4 | 43 |
| 157 | Homologous collagen-induced arthritis in ratg and mice are associated with structurally different major histocompatibility complex DQ-like molecules. European Journal of Immunology, 1992, 22, 419-424. | 1.6 | 42 |
| 158 | Identification and Isolation of Dominant Susceptibility Loci for Pristane-Induced Arthritis. Journal of Immunology, 2003, 171, 407-416. | 0.4 | 42 |
| 159 | Anticitrullinated protein/peptide antibody multiplexing defines an extended group of ACPA-positive rheumatoid arthritis patients with distinct genetic and environmental determinants. Annals of the Rheumatic Diseases, 2018, 77, 203-211. | 0.5 | 42 |
| 160 | Multiple Epitopes on Cartilage Type II Collagen are Accessible for Antibody Bindingin vivo. Autoimmunity, 1991, 10, 27-34. | 1.2 | 41 |
| 161 | Affinity purified anti-citrullinated protein/peptide antibodies target antigens expressed in the rheumatoid joint. Arthritis Research and Therapy, 2014, 16, R167. | 1.6 | 41 |
| 162 | Endogenous collagen peptide activation of CD1d-restricted NKT cells ameliorates tissue-specific inflammation in mice. Journal of Clinical Investigation, 2011, 121, 249-264. | 3.9 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Immunohistochemical characterization of synovial cells in arthritic mrl-lpr/lpr mice. Arthritis and Rheumatism, 1987, 30, 75-82. | 6.7 | 40 |
| 164 | Advanced Intercross Line Mapping of Eae5 Reveals Ncf-1 and CLDN4 as Candidate Genes for Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2006, 176, 6055-6064. | 0.4 | 40 |
| 165 | C57BL/6 mice need MHC class II Aq to develop collagen-induced arthritis dependent on autoreactive T cells. Annals of the Rheumatic Diseases, 2013, 72, 1225-1232. | 0.5 | 40 |
| 166 | Type II collagen antibody response is enriched in the synovial fluid of rheumatoid joints and directed to the same major epitopes as in collagen induced arthritis in primates and mice. Arthritis Research and Therapy, 2014, 16, R143. | 1.6 | 40 |
| 167 | In Vivo Treatment with Interferon-Gamma during Early Pregnancy in Mice Induces Strong Expression of Major Histocompatibility Complex Class I and II Molecules in Uterus and Decidua But not in Extra-Embryonic Tissues1. Biology of Reproduction, 1992, 46, 1176-1186. | 1.2 | 39 |
| 168 | Are B Lymphocytes of Importance in Severe Staphylococcus aureus Infections?. Infection and Immunity, 2000, 68, 2431-2434. | 1.0 | 39 |
| 169 | Stromal cells and osteoclasts are responsible for exacerbated collagen-induced arthritis in interferon-Î²-deficient mice. Arthritis and Rheumatism, 2005, 52, 3739-3748. | 6.7 | 39 |
| 170 | Citrullination of collagen II affects integrinâ€mediated cell adhesion in a receptorâ€specific manner. FASEB Journal, 2014, 28, 3758-3768. | 0.2 | 39 |
| 171 | Recent advances on smart glycoconjugate vaccines in infections and cancer. FEBS Journal, 2022, 289, 4251-4303. | 2.2 | 39 |
| 172 | Novel Quantitative Trait Loci Controlling Development of Experimental Autoimmune Encephalomyelitis and Proportion of Lymphocyte Subpopulations. Journal of Immunology, 2003, 170, 1019-1026. | 0.4 | 38 |
| 173 | Arthritis induced with cartilage-specific antibodiesis IL-4-dependent. European Journal of Immunology, 2006, 36, 1608-1618. | 1.6 | 38 |
| 174 | Variable region gene selection of immunoglobulin G-expressing B cells with specificity for a defined epitope on type II collagen. European Journal of Immunology, 1993, 23, 2503-2510. | 1.6 | 37 |
| 175 | Role of glycopeptide-specific T cells in collagen-induced arthritis: an example how Dost-translational modification of proteins Gay be involved in autoimmune disease. Annals of Medicine, 2001, 33, 456-465. | 1.5 | 37 |
| 176 | Copy number variation in autoimmunity â€" importance hidden in complexity?. European Journal of Immunology, 2012, 42, 1969-1976. | 1.6 | 37 |
| 177 | Major histocompatibility complex-controlled protective influences on experimental autoimmune encephalomyelitis are peptide specific. European Journal of Immunology, 1997, 27, 1584-1587. | 1.6 | 36 |
| 178 | Tracking of Proinflammatory Collagen-Specific T Cells in Early and Late Collagen-Induced Arthritis in Humanized Mice. Journal of Immunology, 2004, 173, 7037-7045. | 0.4 | 36 |
| 179 | Association between protein tyrosine phosphatase 22 variant R620W in conjunction with the HLAâ€“DRB1 shared epitope and humoral autoimmunity to an immunodominant epitope of cartilage-specific type II collagen in early rheumatoid arthritis. Arthritis and Rheumatism, 2006, 54, 82-89. | 6.7 | 36 |
| 180 | Down-regulation of miR-144 elicits proinflammatory cytokine production by targeting toll-like receptor 2 in nonalcoholic steatohepatitis of high-fat-diet-induced metabolic syndrome E3 rats. Molecular and Cellular Endocrinology, 2015, 402, 1-12. | 1.6 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Complex Genetic Control in a Rat Model for Rheumatoid Arthritis. Journal of Autoimmunity, 2000, 15, 425-432. | 3.0 | 35 |
| 182 | High expression of liver histone deacetylase 3 contributes to high-fat-diet-induced metabolic syndrome by suppressing the PPAR-Î³ and LXR-Î±-pathways in E3 rats. Molecular and Cellular Endocrinology, 2011, 344, 69-80. | 1.6 | 35 |
| 183 | The Macrophage Mannose Receptor Regulate Mannan-Induced Psoriasis, Psoriatic Arthritis, and Rheumatoid Arthritis-Like Disease Models. Frontiers in Immunology, 2018, 9, 114. | 2.2 | 35 |
| 184 | Decreased neuropeptide-converting enzyme activities in cerebrospinal fluid during acute but not chronic phases of collagen induced arthritis in rats. Brain Research, 1992, 581, 273-282. | 1.1 | 34 |
| 185 | Pregnancy in B-Cell-Deficient Mice: Postpartum Transfer of Immunoglobulins Prevents Neonatal Runting and Death1. Biology of Reproduction, 1994, 51, 1173-1180. | 1.2 | 34 |
| 186 | Chronicity of Tissue-Specific Experimental Autoimmune Disease: A Role for B Cells?. Immunological Reviews, 1995, 144, 109-135. | 2.8 | 34 |
| 187 | Epitope-specific antibody response is controlled by immunoglobulin VH polymorphisms. Journal of Experimental Medicine, 2014, 211, 405-411. | 4.2 | 34 |
| 188 | Cartilage-specific autoimmunity in rheumatoid arthritis: characterization of a triple helical B cell epitope in the integrin-binding-domain of collagen type II. European Journal of Immunology, 2001, 31, 1666-1673. | 1.6 | 33 |
| 189 | Immunization of Rats with Homologous Type XI Collagen Leads to Chronic and Relapsing Arthritis with Different Genetics and Joint Pathology Than Arthritis Induced with Homologous Type II Collagen. Journal of Autoimmunity, 2002, 18, 199-211. | 3.0 | 33 |
| 190 | Arthritogenic anti-type II collagen antibodies are pathogenic for cartilage-derived chondrocytes independent of inflammatory cells. Arthritis and Rheumatism, 2005, 52, 1897-1906. | 6.7 | 33 |
| 191 | A Novel HLAâ€“DRB1*10:01â€“Restricted T Cell Epitope From Citrullinated Type II Collagen Relevant to Rheumatoid Arthritis. Arthritis and Rheumatology, 2016, 68, 1124-1135. | 2.9 | 33 |
| 192 | Mannan-induced Nos2 in macrophages enhances IL-17â€“driven psoriatic arthritis by innate lymphocytes. Science Advances, 2018, 4, eaas9864. | 4.7 | 33 |
| 193 | Involvement of Macrophages and Denidritic Cells in Synovial Inflammation of Collagen Induced Arthritis in Dba/1 Mice and Spontaneous Arthritis in Mrl/Lpr Mice. Autoimmunity, 1991, 8, 271-280. | 1.2 | 32 |
| 194 | New Loci Regulating Rat Myelin Oligodendrocyte Glycoprotein-Induced Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2003, 170, 1062-1069. | 0.4 | 32 |
| 195 | Cell death and cytokine production induced by autoimmunogenic hydrocarbon oils. Autoimmunity, 2012, 45, 602-611. | 1.2 | 32 |
| 196 | Polymeric cryogels are biocompatible, and their biodegradation is independent of oxidative radicals. Journal of Biomedical Materials Research - Part A, 2014, 102, 3409-3418. | 2.1 | 32 |
| 197 | Spreading of the immune response to different myelin basic protein peptides in chronic experimental autoimmune encephalomyelitis in B10.RIII mice. European Journal of Immunology, 1995, 25, 2195-2200. | 1.6 | 31 |
| 198 | The genetic control of rheumatoid factor production in a rat model of rheumatoid arthritis. Arthritis and Rheumatism, 2003, 48, 3584-3596. | 6.7 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Genetic Interactions in Eae2 Control Collagen-Induced Arthritis and the CD4+/CD8+ T Cell Ratio. Journal of Immunology, 2005, 174, 533-541. | 0.4 | 31 |
| 200 | Histone deacetylase 1 (HDAC1): A key player of T cell-mediated arthritis. Journal of Autoimmunity, 2020, 108, 102379. | 3.0 | 31 |
| 201 | Germinal Center B Cells Are Essential for Collagenâ€Induced Arthritis. Arthritis and Rheumatology, 2018, 70, 193-203. | 2.9 | 30 |
| 202 | NCF1-339 polymorphism is associated with altered formation of neutrophil extracellular traps, high serum interferon activity and antiphospholipid syndrome in systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2020, 79, 254-261. | 0.5 | 30 |
| 203 | Surface Ig variable domain glycosylation affects autoantigen binding and acts as threshold for human autoreactive B cell activation. Science Advances, 2022, 8, eabm1759. | 4.7 | 30 |
| 204 | Modulation of experimental allergic neuritis in rats by in vivo treatment with monoclonal anti T cell antibodies. Journal of the Neurological Sciences, 1988, 83, 283-291. | 0.3 | 29 |
| 205 | Estrogen exaggerates lupus but suppresses T-cell-dependent autoimmune disease. Journal of Autoimmunity, 1989, 2, 651-656. | 3.0 | 29 |
| 206 | Cartilage oligomeric matrix protein induction of chronic arthritis in mice. Arthritis and Rheumatism, 2008, 58, 2000-2011. | 6.7 | 29 |
| 207 | A Recombinant Vaccine Effectively Induces C5a-Specific Neutralizing Antibodies and Prevents Arthritis. PLoS ONE, 2010, 5, e13511. | 1.1 | 29 |
| 208 | Positioning of a Polymorphic Quantitative Trait Nucleotide in theNcf1Gene Controlling Oxidative Burst Response and Arthritis Severity in Rats. Antioxidants and Redox Signaling, 2011, 14, 2373-2383. | 2.5 | 29 |
| 209 | Rheumatoid arthritis: identifying and characterising polymorphisms using rat models. DMM Disease Models and Mechanisms, 2016, 9, 1111-1123. | 1.2 | 29 |
| 210 | A Reduction in Intracellular Reactive Oxygen Species Due to a Mutation in NCF4 Promotes Autoimmune Arthritis in Mice. Antioxidants and Redox Signaling, 2016, 25, 983-996. | 2.5 | 29 |
| 211 | Chronicity of Arthritis Induced with Homologous Type II Collagen (CII) in Rats is Associated with Anti-CII B-cell Activation. Journal of Autoimmunity, 1994, 7, 739-752. | 3.0 | 28 |
| 212 | Genetic links between the acute-phase response and arthritis development in rats. Arthritis and Rheumatism, 2002, 46, 259-268. | 6.7 | 28 |
| 213 | Enhancement of Antibody-Induced Arthritis via Toll-Like Receptor 2 Stimulation Is Regulated by Granulocyte Reactive Oxygen Species. American Journal of Pathology, 2012, 181, 141-150. | 1.9 | 28 |
| 214 | Identification of a major antigenic epitope on CNBr-fragment 11 of type II collagen recognized by murine autoreactive B cells. European Journal of Immunology, 1991, 21, 49-54. | 1.6 | 27 |
| 215 | Ncf1-Associated Reduced Oxidative Burst Promotes IL-33R+ T Cell-Mediated Adjuvant-Free Arthritis in Mice. Journal of Immunology, 2009, 183, 874-881. | 0.4 | 27 |
| 216 | Bacillus Calmette-Guerin Infection in NADPH Oxidase Deficiency: Defective Mycobacterial Sequestration and Granuloma Formation. PLoS Pathogens, 2014, 10, e1004325. | 2.1 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Deficient Production of Reactive Oxygen Species Leads to Severe Chronic DSS-Induced Colitis in Ncf1/p47phox-Mutant Mice. PLoS ONE, 2014, 9, e97532. | 1.1 | 27 |
| 218 | Genetic Control of Tolerance to Type II Collagen and Development of Arthritis in an Autologous Collagen-Induced Arthritis Model. Journal of Immunology, 2003, 171, 3493-3499. | 0.4 | 26 |
| 219 | In Vivo Imaging of Reactive Oxygen and Nitrogen Species in Murine Colitis. Inflammatory Bowel Diseases, 2014, 20, 1435-1447. | 0.9 | 26 |
| 220 | Glycopeptide Specificity of Helper T Cells Obtained in Mouse Models for Rheumatoid Arthritis. ChemBioChem, 2002, 3, 1209-1222. | 1.3 | 25 |
| 221 | Do â€œinfectiousâ€•prey select for high levels of natural antibodies in tropical pythons?. Evolutionary Ecology, 2007, 21, 271-279. | 0.5 | 25 |
| 222 | The value of animal models in predicting genetic susceptibility to complex diseases such as rheumatoid arthritis. Arthritis Research and Therapy, 2009, 11, 226. | 1.6 | 25 |
| 223 | Crystal structure of an arthritogenic anticollagen immune complex. Arthritis and Rheumatism, 2011, 63, 3740-3748. | 6.7 | 25 |
| 224 | Mice Lacking NCF1 Exhibit Reduced Growth of Implanted Melanoma and Carcinoma Tumors. PLoS ONE, 2013, 8, e84148. | 1.1 | 25 |
| 225 | Identification of conformation-dependent epitopes and V gene selection in the B cell response to type II collagen in the DA rat. International Immunology, 2001, 13, 909-919. | 1.8 | 24 |
| 226 | Contrasting roles of plasminogen deficiency in different rheumatoid arthritis models. Arthritis and Rheumatism, 2005, 52, 2541-2548. | 6.7 | 24 |
| 227 | Positional Identification of RT1-B (HLA-DQ) as Susceptibility Locus for Autoimmune Arthritis. Journal of Immunology, 2015, 194, 2539-2550. | 0.4 | 24 |
| 228 | No role of interleukin-4 in CD23/IgE-mediated enhancement of the murine antibody responsein vivo. European Journal of Immunology, 1995, 25, 1469-1472. | 1.6 | 23 |
| 229 | Synthesis of aC-Glycoside Analogue ofÎ²-D-Galactosyl Hydroxynorvaline and Its Use in Immunological Studies. ChemBioChem, 2000, 1, 272-280. | 1.3 | 23 |
| 230 | CD68â€expressing cells can prime T cells and initiate autoimmune arthritis in the absence of reactive oxygen species. European Journal of Immunology, 2011, 41, 403-412. | 1.6 | 23 |
| 231 | Non-HLA genes PTPN22, CDK6 and PADI4 are associated with specific autoantibodies in HLA-defined subgroups of rheumatoid arthritis. Arthritis Research and Therapy, 2014, 16, 414. | 1.6 | 23 |
| 232 | Pharmacological Potential of NOX2 Agonists in Inflammatory Conditions. Antioxidants and Redox Signaling, 2015, 23, 446-459. | 2.5 | 23 |
| 233 | Cutting Edge: Processing of Oxidized Peptides in Macrophages Regulates T Cell Activation and Development of Autoimmune Arthritis. Journal of Immunology, 2017, 199, 3937-3942. | 0.4 | 23 |
| 234 | Natural polymorphism of Ym1 regulates pneumonitis through alternative activation of macrophages. Science Advances, 2020, 6, . | 4.7 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Monoclonal Antibody Production Using a New Supermacroporous Cryogel Bioreactor. Biotechnology Progress, 2007, 23, 932-939. | 1.3 | 23 |
| 236 | Allelic variations in rat MHC class II binding of myelin basic protein peptides correlate with encephalitogenicity. International Immunology, 1999, 11, 1981-1988. | 1.8 | 22 |
| 237 | Different Therapeutic and Bystander Effects by Intranasal Administration of Homologous Type II and Type IX Collagens on the Collagen-Induced Arthritis and Pristane-Induced Arthritis in Rats. Clinical Immunology, 1999, 90, 119-127. | 1.4 | 22 |
| 238 | Both common and unique susceptibility genes in different rat strains with pristane-induced arthritis. European Journal of Human Genetics, 2002, 10, 475-483. | 1.4 | 22 |
| 239 | Transgenic mice expressing human FcÎ³RIIa have enhanced sensitivity to induced autoimmune arthritis as well as elevated Th17 cells. Immunology Letters, 2010, 130, 82-88. | 1.1 | 22 |
| 240 | Pathogenic Autoreactive B Cells Are Not Negatively Selected toward Matrix Protein Collagen II. Journal of Immunology, 2011, 187, 4451-4458. | 0.4 | 22 |
| 241 | A Single Functional Group Substitution in C5a Breaks B Cell and T Cell Tolerance and Protects Against Experimental Arthritis. Arthritis and Rheumatology, 2014, 66, 610-621. | 2.9 | 22 |
| 242 | Low Production of Reactive Oxygen Species Drives Systemic Lupus Erythematosus. Trends in Molecular Medicine, 2019, 25, 826-835. | 3.5 | 22 |
| 243 | Emerging glycoâ€based strategies to steer immune responses. FEBS Journal, 2021, 288, 4746-4772. | 2.2 | 22 |
| 244 | Chronicity of pristane-induced arthritis in rats is controlled by genes on chromosome 14. Journal of Autoimmunity, 2003, 21, 305-313. | 3.0 | 21 |
| 245 | Backcross and Partial Advanced Intercross Analysis of Nonobese Diabetic Gene-Mediated Effects on Collagen-Induced Arthritis Reveals an Interactive Effect by Two Major Loci. Journal of Immunology, 2006, 177, 3952-3959. | 0.4 | 21 |
| 246 | Tolerance Induction Using Lentiviral Gene Delivery Delays Onset and Severity of Collagen II Arthritis. Molecular Therapy, 2009, 17, 632-640. | 3.7 | 21 |
| 247 | Type II collagenâ€“specific antibodies induce cartilage damage in mice independent of inflammation. Arthritis and Rheumatism, 2013, 65, 650-659. | 6.7 | 21 |
| 248 | An investigation of the added value of an ACPA multiplex assay in an early rheumatoid arthritis setting. Arthritis Research and Therapy, 2015, 17, 276. | 1.6 | 21 |
| 249 | Reactive Oxygen Species Regulate Both Priming and Established Arthritis, but with Different Mechanisms. Antioxidants and Redox Signaling, 2017, 27, 1473-1490. | 2.5 | 21 |
| 250 | Functional and signaling characterization of the neutrophil FPR2 selective agonist Act-389949. Biochemical Pharmacology, 2019, 166, 163-173. | 2.0 | 21 |
| 251 | Type II Collagen in Cartilage Evokes Peptide-specific Tolerance and Skews the Immune Response. Journal of Autoimmunity, 1998, 11, 213-221. | 3.0 | 20 |
| 252 | A genetic contamination in MHC-congenic mouse strains reveals a locus on chromosome 10 that determines autoimmunity and arthritis susceptibility. European Journal of Immunology, 2005, 35, 1275-1282. | 1.6 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Type IX collagen deficiency enhances the binding of cartilage-specific antibodies and arthritis severity. Arthritis Research and Therapy, 2006, 8, R102. | 1.6 | 20 |
| 254 | High-resolution mapping of a complex disease, a model for rheumatoid arthritis, using heterogeneous stock mice. Human Molecular Genetics, 2011, 20, 3031-3041. | 1.4 | 20 |
| 255 | Cartilage oligomeric matrix protein specific antibodies are pathogenic. Arthritis Research and Therapy, 2012, 14, R191. | 1.6 | 20 |
| 256 | Pristane primed rat T cells enhance TLR3 expression of fibroblast-like synoviocytes via TNF-Î± initiated p38 MAPK and NF-ÎºB pathways. Clinical Immunology, 2015, 156, 141-153. | 1.4 | 20 |
| 257 | Antiâ€“Citrullinated Protein Antibody Specificities, Rheumatoid Factor Isotypes, and Incident Cardiovascular Events in Patients With Rheumatoid Arthritis. Arthritis and Rheumatology, 2020, 72, 1658-1667. | 2.9 | 20 |
| 258 | Neutrophil-derived reactive oxygen species promote tumor colonization. Communications Biology, 2021, 4, 865. | 2.0 | 20 |
| 259 | Different populations of rheumatoid adherent cells mediate activation versus suppression of t lymphocyte proliferation. Arthritis and Rheumatism, 1985, 28, 863-872. | 6.7 | 19 |
| 260 | Nature of the Type II Collagen Autoimmunity in Mice Susceptible to Collagen-Induced Arthritis. International Reviews of Immunology, 1988, 4, 49-64. | 1.5 | 19 |
| 261 | The Y chromosome-linked â€œautoimmune acceleratingâ€•yaa gene suppresses collagen-induced arthritis. European Journal of Immunology, 1994, 24, 1213-1217. | 1.6 | 19 |
| 262 | The genetic control of sialadenitis versus arthritis in a NOD.QÃ—B10.Qâ€„F2 cross. European Journal of Immunology, 2002, 32, 243-250. | 1.6 | 19 |
| 263 | A comparative genetic analysis between collagen-induced arthritis and pristane-induced arthritis. Arthritis and Rheumatism, 2003, 48, 2332-2342. | 6.7 | 19 |
| 264 | Identification of Genetic Regions of Importance for Reproductive Performance in Female Mice. Genetics, 2006, 173, 901-909. | 1.2 | 19 |
| 265 | Threeâ€dimensional culture for monoclonal antibody production by hybridoma cells immobilized in macroporous gel particles. Biotechnology Progress, 2008, 24, 1122-1131. | 1.3 | 19 |
| 266 | Cartilage oligomeric matrix protein deficiency promotes early onset and the chronic development of collagen-induced arthritis. Arthritis Research and Therapy, 2008, 10, R134. | 1.6 | 19 |
| 267 | Positional cloning of the Igl genes controlling rheumatoid factor production and allergic bronchitis in rats. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14005-14010. | 3.3 | 19 |
| 268 | Specific antibody protection of the extracellular cartilage matrix against collagen antibodyâ€“induced damage. Arthritis and Rheumatism, 2010, 62, 3374-3384. | 6.7 | 19 |
| 269 | Oxazole-modified glycopeptides that target arthritis-associated class II MHC Aq and DR4 proteins. Organic and Biomolecular Chemistry, 2010, 8, 2931. | 1.5 | 19 |
| 270 | The autoantibody response to cyclic citrullinated collagen type II peptides in rheumatoid arthritis. Rheumatology, 2019, 58, 1623-1633. | 0.9 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Cartilage-binding antibodies initiate joint inflammation and promote chronic erosive arthritis. Arthritis Research and Therapy, 2020, 22, 120. | 1.6 | 19 |
| 272 | Advanced Intercross Line Mapping Suggests That Ncf1 (Ean6) Regulates Severity in an Animal Model of Guillain-BarrÃ© Syndrome. Journal of Immunology, 2009, 182, 4432-4438. | 0.4 | 18 |
| 273 | Genetic control of antibody production during collagenâ€induced arthritis development in heterogeneous stock mice. Arthritis and Rheumatism, 2012, 64, 3594-3603. | 6.7 | 18 |
| 274 | CTLAâ€4 expressed by FOXP3<sup>+</sup> regulatory T cells prevents inflammatory tissue attack and not Tâ€cell priming in arthritis. Immunology, 2017, 152, 125-137. | 2.0 | 18 |
| 275 | Therapeutic Effects of Monoclonal Antibodies to Î±Î²TCR but Not to CD4 on Collagen-Induced Arthritis in the Rat. Cellular Immunology, 1994, 154, 240-248. | 1.4 | 17 |
| 276 | Identification of the minimal glycopeptide core recognized by T cells in a model for rheumatoid arthritis. Bioorganic and Medicinal Chemistry, 2005, 13, 473-482. | 1.4 | 17 |
| 277 | Probing Molecular Interactions within Class II MHC A<sup>q</sup>/Glycopeptide/T-Cell Receptor Complexes Associated with Collagen-Induced Arthritis. Journal of Medicinal Chemistry, 2007, 50, 5627-5643. | 2.9 | 17 |
| 278 | Ncf1Provides a Reactive Oxygen Species-Independent Negative Feedback Regulation of TLR9-Induced IL-12p70 in Murine Dendritic Cells. Journal of Immunology, 2009, 182, 4183-4191. | 0.4 | 17 |
| 279 | A Glucose-6-Phosphate Isomerase Peptide Induces T and B Cellâ€“Dependent Chronic Arthritis in C57BL/10 Mice. American Journal of Pathology, 2013, 183, 1144-1155. | 1.9 | 17 |
| 280 | Dominant suppression of inflammation by glycan-hydrolyzed IgG. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10252-10257. | 3.3 | 17 |
| 281 | System A amino acid transporters regulate glutamine uptake and attenuate antibodyâ€mediated arthritis. Immunology, 2015, 146, 607-617. | 2.0 | 17 |
| 282 | Conserved 33-kb haplotype in the MHC class III region regulates chronic arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3716-24. | 3.3 | 17 |
| 283 | MHC class II alleles associated with Th1 rather than Th17 type immunity drive the onset of early arthritis in a rat model of rheumatoid arthritis. European Journal of Immunology, 2017, 47, 563-574. | 1.6 | 17 |
| 284 | The involvement of Tollâ€like receptor 9 in the pathogenesis of erosive autoimmune arthritis. Journal of Cellular and Molecular Medicine, 2018, 22, 4399-4409. | 1.6 | 17 |
| 285 | Functional selective FPR1 signaling in favor of an activation of the neutrophil superoxide generating NOX2 complex. Journal of Leukocyte Biology, 2021, 109, 1105-1120. | 1.5 | 17 |
| 286 | Antibody binding to a collagen type-II epitope gives rise to an inhibitory peptide for autoreactive T cells. European Journal of Immunology, 1992, 22, 1063-1067. | 1.6 | 16 |
| 287 | Activation and selection of NK cells via recognition of an allogeneic, non-classical MHC class I molecule, RT1-E. European Journal of Immunology, 1999, 29, 3663-3673. | 1.6 | 16 |
| 288 | Identification of susceptibility genes for experimental autoimmune encephalomyelitis that overcome the effect of protective alleles at the eae2 locus. International Immunology, 2002, 14, 79-85. | 1.8 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Dissection of the genetic complexity of arthritis using animal models. Journal of Autoimmunity, 2003, 21, 99-103. | 3.0 | 16 |
| 290 | Inconsistent susceptibility to autoimmunity in inbred LEW rats is due to genetic crossbreeding involving segregation of the arthritis-regulating gene Ncf1. Genomics, 2004, 83, 765-771. | 1.3 | 16 |
| 291 | Dissection of the genetic complexity of arthritis using animal models. Immunology Letters, 2006, 103, 86-91. | 1.1 | 16 |
| 292 | Fragmentation of Two Quantitative Trait Loci Controlling Collagen-Induced Arthritis Reveals a New Set of Interacting Subloci. Journal of Immunology, 2007, 178, 3084-3090. | 0.4 | 16 |
| 293 | A 9-Centimorgan Interval of Chromosome 10 Controls the T Cell-Dependent Psoriasiform Skin Disease and Arthritis in a Murine Psoriasis Model. Journal of Immunology, 2008, 180, 5520-5529. | 0.4 | 16 |
| 294 | Natural Polymorphisms in Tap2 Influence Negative Selection and CD4âˆ¶CD8 Lineage Commitment in the Rat. PLoS Genetics, 2014, 10, e1004151. | 1.5 | 16 |
| 295 | Streptococcal Endo-Î²-N-Acetylglucosaminidase Suppresses Antibody-Mediated Inflammation In Vivo. Frontiers in Immunology, 2018, 9, 1623. | 2.2 | 16 |
| 296 | An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. Nature Communications, 2021, 12, 6558. | 5.8 | 16 |
| 297 | An investigation of allogeneic pregnancy in multiparous mice subjected to in vivo depletion of CD8 (Ly2)-positive lymphocytes by monoclonal antibody treatment. Journal of Reproductive Immunology, 1988, 14, 235-245. | 0.8 | 15 |
| 298 | Activated Type II Collagen Reactive T Cells are not Eliminated by in vivo Anti-CD4 Treatment. Implications for Therapeutic Approaches on Autoimmune Arthritis. Immunobiology, 1992, 184, 359-371. | 0.8 | 15 |
| 299 | Class II major histocompatibility complexâ€“associated response to type XI collagen regulates the development of chronic arthritis in rats. Arthritis and Rheumatism, 2012, 64, 2537-2547. | 6.7 | 15 |
| 300 | Direct Comparison of a Natural Loss-Of-Function Single Nucleotide Polymorphism with a Targeted Deletion in the Ncf1 Gene Reveals Different Phenotypes. PLoS ONE, 2015, 10, e0141974. | 1.1 | 15 |
| 301 | Reactive Oxygen Species in Psoriasis and Psoriasis Arthritis: Relevance to Human Disease. International Archives of Allergy and Immunology, 2015, 166, 135-149. | 0.9 | 15 |
| 302 | NOX2 mediates quiescent handling of dead cell remnants in phagocytes. Redox Biology, 2019, 26, 101279. | 3.9 | 15 |
| 303 | Antibodies against citrullinated peptides are associated with clinical and radiological outcomes in patients with early rheumatoid arthritis: a prospective longitudinal inception cohort study. RMD Open, 2019, 5, e000946. | 1.8 | 15 |
| 304 | Maternal Antibodies Protect Immunoglobulin Deficient Neonatal Mice From Mouse Hepatitis Virus (MHV)â€Associated Wasting Syndrome. American Journal of Reproductive Immunology, 1996, 36, 33-39. | 1.2 | 14 |
| 305 | Effects on Sialadenitis after Cellular Transfer in Autoimmune MRL/lprMice. Clinical Immunology and Immunopathology, 1997, 84, 177-184. | 2.1 | 14 |
| 306 | Role of the galactosyl moiety of collagen glycopeptides for T-Cell stimulation in a model for rheumatoid arthritis. Bioorganic and Medicinal Chemistry, 2003, 11, 3981-3987. | 1.4 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Analysis of autoreactive T cells associated with murine collagen-induced arthritis using peptide-MHC multimers. International Immunology, 2004, 16, 283-293. | 1.8 | 14 |
| 308 | TNF Production in Macrophages Is Genetically Determined and Regulates Inflammatory Disease in Rats. Journal of Immunology, 2010, 185, 442-450. | 0.4 | 14 |
| 309 | Differences in the Spectrum of Antiâ€“Citrullinated Protein Antibody Fine Specificities Between Malaysian and Swedish Patients With Rheumatoid Arthritis: Implications for Disease Pathogenesis. Arthritis and Rheumatology, 2017, 69, 58-69. | 2.9 | 14 |
| 310 | A Restricted Role for FcÎ³R in the Regulation of Adaptive Immunity. Journal of Immunology, 2018, 200, 2615-2626. | 0.4 | 14 |
| 311 | Vitamin D3 receptor polymorphisms regulate T cells and T cell-dependent inflammatory diseases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24986-24997. | 3.3 | 14 |
| 312 | Design of Glycopeptides Used to Investigate Class II MHC Binding and T-Cell Responses Associated with Autoimmune Arthritis. PLoS ONE, 2011, 6, e17881. | 1.1 | 14 |
| 313 | Limited polymorphism in the first domain of the rat MHC class II RT1-D molecule. Immunogenetics, 1998, 48, 344-349. | 1.2 | 13 |
| 314 | A Transient Post-Translationally Modified Form of Cartilage Type II Collagen Is Ignored by Self-Reactive T Cells. Journal of Immunology, 2004, 173, 4729-4735. | 0.4 | 13 |
| 315 | Bb2Bb3 Regulation of Murine Lyme Arthritis Is Distinct from Ncf1 and Independent of the Phagocyte Nicotinamide Adenine Dinucleotide Phosphate Oxidase. American Journal of Pathology, 2005, 167, 775-785. | 1.9 | 13 |
| 316 | Collagen type II is recognized by a pathogenic antibody through germline encoded structures. European Journal of Immunology, 2008, 38, 2784-2795. | 1.6 | 13 |
| 317 | Rabeximod reduces arthritis severity in mice by decreasing activation of inflammatory cells. Annals of the Rheumatic Diseases, 2010, 69, 1527-1532. | 0.5 | 13 |
| 318 | (E)-Alkene and Ethylene Isosteres Substantially Alter the Hydrogen-Bonding Network in Class II MHC A<sup>q</sup>/Glycopeptide Complexes and Affect T-Cell Recognition. Journal of the American Chemical Society, 2011, 133, 14368-14378. | 6.6 | 13 |
| 319 | Bâ€cell epitope spreading and inflammation in a mouse model of arthritis is associated with a deficiency in reactive oxygen species production. European Journal of Immunology, 2015, 45, 2243-2251. | 1.6 | 13 |
| 320 | Germâ€free mice deficient of reactive oxygen species have increased arthritis susceptibility. European Journal of Immunology, 2015, 45, 1348-1353. | 1.6 | 13 |
| 321 | Effects by periodontitis on pristane-induced arthritis in rats. Journal of Translational Medicine, 2016, 14, 311. | 1.8 | 13 |
| 322 | Pristane induces autophagy in macrophages, promoting a STAT1-IRF1-TLR3 pathway and arthritis. Clinical Immunology, 2017, 175, 56-68. | 1.4 | 13 |
| 323 | Regulation of T Cell Function by Reactive Nitrogen and Oxygen Species in Collagen-Induced Arthritis. Antioxidants and Redox Signaling, 2020, 32, 161-172. | 2.5 | 13 |
| 324 | Combined proinflammatory cytokine and cognate activation of invariant natural killer T cells enhances anti-DNA antibody responses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9054-9063. | 3.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | A retroviral gp70-related protein is expressed at specific stages during mouse oocyte maturation and in preimplantation embryos. Cell Differentiation and Development, 1989, 28, 47-54. | 0.4 | 12 |
| 326 | Two-loci interaction confirms arthritis-regulating quantitative trait locus on rat chromosome 6. Genomics, 2003, 82, 652-659. | 1.3 | 12 |
| 327 | Cysteine proteases in Langerhans cells limits presentation of cartilage derived type II collagen for autoreactive T cells. International Immunology, 2004, 16, 717-726. | 1.8 | 12 |
| 328 | Side-chain and backbone amide bond requirements for glycopeptide stimulation of T-cells obtained in a mouse model for rheumatoid arthritis. Bioorganic and Medicinal Chemistry, 2006, 14, 5921-5932. | 1.4 | 12 |
| 329 | T cell responses to a non-glycosylated epitope predominate in type II collagen-immunised HLA-DRB1*0101 transgenic mice. Annals of the Rheumatic Diseases, 2007, 66, 599-604. | 0.5 | 12 |
| 330 | The crystal structure of the pathogenic collagen type II-specific mouse monoclonal antibody CIIC1 Fab: Structure to function analysis. Molecular Immunology, 2008, 45, 2196-2204. | 1.0 | 12 |
| 331 | Antigen-Specific Gene Therapy after Immunisation Reduces the Severity of Collagen-Induced Arthritis. Clinical and Developmental Immunology, 2013, 2013, 1-11. | 3.3 | 12 |
| 332 | Tryptophan catabolism is unaffected in chronic granulomatous disease. Nature, 2014, 514, E16-E17. | 13.7 | 12 |
| 333 | Macrophageâ€derived reactive oxygen species protects against autoimmune priming with a defined polymeric adjuvant. Immunology, 2016, 147, 125-132. | 2.0 | 12 |
| 334 | Polymorphic estrogen receptor binding site causes Cd2-dependent sex bias in the susceptibility to autoimmune diseases. Nature Communications, 2021, 12, 5565. | 5.8 | 12 |
| 335 | Key interactions in the trimolecular complex consisting of the rheumatoid arthritis-associated DRB1*04:01 molecule, the major glycosylated collagen II peptide and the T-cell receptor. Annals of the Rheumatic Diseases, 2022, 81, 480-489. | 0.5 | 12 |
| 336 | Tissue transglutaminase enhances collagen type IIâ€induced arthritis and modifies the immunodominant Tâ€cell epitope CII260â€270. European Journal of Immunology, 2009, 39, 2412-2423. | 1.6 | 11 |
| 337 | Collagen Type II and a Thermo-Responsive Polymer of N-Isopropylacrylamide Induce Arthritis Independent of Toll-Like Receptors. American Journal of Pathology, 2011, 179, 2490-2500. | 1.9 | 11 |
| 338 | Methylcholanthrene-Induced Sarcomas Develop Independently from NOX2-Derived ROS. PLoS ONE, 2015, 10, e0129786. | 1.1 | 11 |
| 339 | 18F-Labeling of Mannan for Inflammation Research with Positron Emission Tomography. ACS Medicinal Chemistry Letters, 2016, 7, 826-830. | 1.3 | 11 |
| 340 | Antibodies to a Citrullinated Porphyromonas gingivalis Epitope Are Increased in Early Rheumatoid Arthritis, and Can Be Produced by Gingival Tissue B Cells: Implications for a Bacterial Origin in RA Etiology. Frontiers in Immunology, 2022, 13, 804822. | 2.2 | 11 |
| 341 | The H2-Ab gene influences the severity of experimental allergic encephalomyelitis induced by proteolipoprotein peptide 103â€“116. Journal of Neuroimmunology, 2001, 120, 25-33. | 1.1 | 10 |
| 342 | Quantitative Structureâ^'Activity Relationship of Peptides Binding to the Class II Major Histocompatibility Complex Molecule AqAssociated with Autoimmune Arthritis. Journal of Medicinal Chemistry, 2007, 50, 2049-2059. | 2.9 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 343 | Identification of candidate risk gene variations by whole-genome sequence analysis of four rat strains commonly used in inflammation research. BMC Genomics, 2014, 15, 391. | 1.2 | 10 |
| 344 | Influence of hydrocarbon oil structure on adjuvanticity and autoimmunity. Scientific Reports, 2017, 7, 14998. | 1.6 | 10 |
| 345 | Chronic Active Arthritis Driven by Macrophages Without Involvement of T Cells. Arthritis and Rheumatology, 2018, 70, 1343-1353. | 2.9 | 10 |
| 346 | A Shared Epitope of Collagen Type XI and Type II Is Recognized by Pathogenic Antibodies in Mice and Humans with Arthritis. Frontiers in Immunology, 2018, 9, 451. | 2.2 | 10 |
| 347 | Natural Loss-of-Function Mutations in Qa2 and NCF1 Cause the Spread of Mannan-Induced Psoriasis. Journal of Investigative Dermatology, 2021, 141, 1765-1771.e4. | 0.3 | 10 |
| 348 | Rheumatoid arthritis chondrocytes produce increased levels of pro-inflammatory proteins. Osteoarthritis and Cartilage Open, 2022, 4, 100235. | 0.9 | 10 |
| 349 | Maintained allogeneic pregnancy in rats depleted of T cytotoxic/suppressor cells by OX8 monoclonal antibody treatment. Journal of Reproductive Immunology, 1987, 12, 23-34. | 0.8 | 9 |
| 350 | Two monoclonal antibodies to precisely the same epitope of type II collagen select non-crossreactive phage clones by phage display: implications for autoimmunity and molecular mimicry. Molecular Immunology, 2004, 41, 411-419. | 1.0 | 9 |
| 351 | Intrinsic Tolerance in Autologous Collagen-Induced Arthritis Is Generated by CD152-Dependent CD4+ Suppressor Cells. Journal of Immunology, 2005, 174, 6742-6750. | 0.4 | 9 |
| 352 | Detection of arthritisâ€susceptibility loci, including Ncf1, and variable effects of the major histocompatibility complex region depending on genetic background in rats. Arthritis and Rheumatism, 2009, 60, 419-427. | 6.7 | 9 |
| 353 | Mice Producing Less Reactive Oxygen Species Are Relatively Resistant to Collagen Glycopeptide Vaccination against Arthritis. Journal of Immunology, 2010, 185, 2701-2709. | 0.4 | 9 |
| 354 | Characterization of the anticollagen antibody response in a new model of chronic polyarthritis. Arthritis and Rheumatism, 2011, 63, 2299-2308. | 6.7 | 9 |
| 355 | Reactive Oxygen Species Regulate Innate But Not Adaptive Inflammation in ZAP70-Mutated SKG Arthritic Mice. American Journal of Pathology, 2016, 186, 2353-2363. | 1.9 | 9 |
| 356 | Antibodies to Cartilage Oligomeric Matrix Protein Are Pathogenic in Mice and May Be Clinically Relevant in Rheumatoid Arthritis. Arthritis and Rheumatology, 2022, 74, 961-971. | 2.9 | 9 |
| 357 | Influence of T-cell receptor genes on chronic experimental autoimmune encephalomyelitis. Immunogenetics, 1993, 37, 466-8. | 1.2 | 8 |
| 358 | Type II collagen without adjuvant induces eosinophilic arthritis. European Journal of Immunology, 2007, 37, 540-548. | 1.6 | 8 |
| 359 | A dominant suppressive MHC class II haplotype interacting with autosomal genes controls autoantibody production and chronicity of arthritis. Annals of the Rheumatic Diseases, 2011, 70, 1664-1670. | 0.5 | 8 |
| 360 | Nerve Conduction Velocity Is Regulated by the Inositol Polyphosphate-4-Phosphatase II Gene. American Journal of Pathology, 2014, 184, 2420-2429. | 1.9 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 361 | Gene Therapy Induces Antigen-Specific Tolerance in Experimental Collagen-Induced Arthritis. PLoS ONE, 2016, 11, e0154630. | 1.1 | 8 |
| 362 | Collagen epitope expression on B cells is sufficient to confer tolerance to collagen-induced arthritis. Arthritis Research and Therapy, 2016, 18, 140. | 1.6 | 8 |
| 363 | Self-reactive T cells induce and perpetuate chronic relapsing arthritis. Arthritis Research and Therapy, 2020, 22, 95. | 1.6 | 8 |
| 364 | Genetic dissection of a major haplotype associated with arthritis reveal FcÎ³R2b and FcÎ³R3 to act additively. European Journal of Immunology, 2021, 51, 682-693. | 1.6 | 8 |
| 365 | A Method for the Analysis of a Large Number of Specific and Multispecific B Cell Hybridomas Derived from Primary Immunized Lymph Nodes. Hybridoma, 1987, 6, 197-204. | 0.9 | 7 |
| 366 | In vivo treatment with anti-CD8 and anti-CD5 monoclonal antibodies alters induced tolerance to adjuvant arthritis. Journal of Cellular Biochemistry, 1989, 40, 49-56. | 1.2 | 7 |
| 367 | Identification of Susceptibility Loci for Skin Disease in a Murine Psoriasis Model. Journal of Immunology, 2006, 177, 4612-4619. | 0.4 | 7 |
| 368 | DA rats from two colonies differ genetically and in their arthritis susceptibility. Mammalian Genome, 2008, 19, 420-428. | 1.0 | 7 |
| 369 | ILâ€21 and autoimmune disease â€“ hypothesis and reality?. European Journal of Immunology, 2008, 38, 1800-1802. | 1.6 | 7 |
| 370 | Human Î±-enolase is immunogenic, but not arthritogenic, in HLA-DR4-transgenic mice: Comment on the article by Kinloch et al. Arthritis and Rheumatism, 2012, 64, 1689-1691. | 6.7 | 7 |
| 371 | Reactive Oxygen Species Deficiency Due to Ncf1-Mutation Leads to Development of Adenocarcinoma and Metabolomic and Lipidomic Remodeling in a New Mouse Model of Dextran Sulfate Sodium-Induced Colitis. Frontiers in Immunology, 2018, 9, 701. | 2.2 | 7 |
| 372 | Synthesis of an Array of Triple-Helical Peptides from Type II Collagen for Multiplex Analysis of Autoantibodies in Rheumatoid Arthritis. ACS Chemical Biology, 2020, 15, 2605-2615. | 1.6 | 7 |
| 373 | Ncf1 Governs Immune Niches in the Lung to Mediate Pulmonary Inflammation in Mice. Frontiers in Immunology, 2021, 12, 783944. | 2.2 | 7 |
| 374 | Redox regulation of PTPN22 affects the severity of T-cell-dependent autoimmune inflammation. ELife, 2022, 11, . | 2.8 | 7 |
| 375 | Reversal of tolerance induced by transplantation of skin expressing the immunodominant T cell epitope of rat type II collagen entitles development of collagen-induced arthritis but not graft rejection. European Journal of Immunology, 2002, 32, 1773. | 1.6 | 6 |
| 376 | Aire-ing self antigen variability and tolerance. European Journal of Immunology, 2007, 37, 598-601. | 1.6 | 6 |
| 377 | Editorial: Oxidants and Redox Signaling in Inflammation. Frontiers in Immunology, 2019, 10, 545. | 2.2 | 6 |
| 378 | Analyses of association of psoriatic arthritis and psoriasis vulgaris with functional NCF1 variants. Rheumatology, 2019, 58, 915-917. | 0.9 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 379 | Identification of Clec4b asÂa novel regulator of bystander activation of auto-reactive T cells and autoimmune disease. PLoS Genetics, 2020, 16, e1008788. | 1.5 | 6 |
| 380 | Independent and inter-dependent immunoregulatory effects of NCF1 and NOS2 in experimental autoimmune encephalomyelitis. Journal of Neuroinflammation, 2020, 17, 113. | 3.1 | 6 |
| 381 | Standardization of Antigen-Emulsion Preparations for the Induction of Autoimmune Disease Models. Frontiers in Immunology, 0, 13, . | 2.2 | 6 |
| 382 | Genetic linkage analysis of the antibody responses to myelin basic protein and myelin oligodendrocyte glycoprotein in rats immunized with rat spinal cord homogenate. Journal of Neuroimmunology, 2001, 117, 21-29. | 1.1 | 5 |
| 383 | Structure-Immune Response Relationships of Hapten-Modified Collagen II Peptides in a T-Cell Model of Allergic Contact Dermatitis. Chemical Research in Toxicology, 2008, 21, 1514-1523. | 1.7 | 5 |
| 384 | Increased litter size and super-ovulation rate in congenic C57BL mice carrying a polymorphic fragment of NFR/N origin at the Fecq4 locus of chromosome 9. Genetical Research, 2009, 91, 259-265. | 0.3 | 5 |
| 385 | Reply. Arthritis and Rheumatology, 2016, 68, 2053-2054. | 2.9 | 5 |
| 386 | The Major Histocompatibility Complex Class III Haplotype Ltab-Ncr3 Regulates Adjuvant-Induced but Not Antigen-Induced Autoimmunity. American Journal of Pathology, 2017, 187, 987-998. | 1.9 | 5 |
| 387 | Comment on editorial â€˜Pathogenic effector functions of ACPA: where do we stand?â€™. Annals of the Rheumatic Diseases, 2020, 79, e126-e126. | 0.5 | 5 |
| 388 | Variants of beta-glucan polysaccharides downregulate autoimmune inflammation. Communications Biology, 2022, 5, 449. | 2.0 | 5 |
| 389 | Expression of a cell surface antigen with potential Ca2+-sensor/receptor function in rat placenta and uterus. Journal of Reproductive Immunology, 1989, 16, 199-205. | 0.8 | 4 |
| 390 | Role of superantigens in experimental arthritis. Seminars in Immunopathology, 1996, 17, 363-373. | 4.0 | 4 |
| 391 | Autoimmunity: Another pathway towards arthritis. Current Biology, 1999, 9, R528-R530. | 1.8 | 4 |
| 392 | Synovial Class II Antigen Expression and Immune Complex Formation in Rheumatoid Arthritis. Acta Medica Scandinavica, 1987, 221, 85-91. | 0.0 | 4 |
| 393 | Incomplete B Cell Tolerance to Cartilage Oligomeric Matrix Protein in Mice. Arthritis and Rheumatism, 2013, 65, 2301-2309. | 6.7 | 4 |
| 394 | Hydroxyethylene isosteres introduced in type II collagen fragments substantially alter the structure and dynamics of class II MHC A<sup>q</sup>/glycopeptide complexes. Organic and Biomolecular Chemistry, 2015, 13, 6203-6216. | 1.5 | 4 |
| 395 | Effects of C2ta genetic polymorphisms on <scp>MHC</scp> class <scp>II</scp> expression and autoimmune diseases. Immunology, 2017, 150, 408-417. | 2.0 | 4 |
| 396 | Increased salt exposure affects both lymphoid and myeloid effector functions, influencing innateâ€associated disease but not Tâ€cellâ€associated autoimmunity. Immunology, 2018, 154, 683-694. | 2.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 397 | Regulatory T cells control epitope spreading in autoimmune arthritis independent of cytotoxic Tâ€lymphocyte antigenâ€4. Immunology, 2018, 155, 446-457. | 2.0 | 4 |
| 398 | Cartilage Oligomeric Matrix Protein Induced Arthritisâ€"A New Model for Rheumatoid Arthritis in the C57BL/6 Mouse. Frontiers in Immunology, 2021, 12, 631249. | 2.2 | 4 |
| 399 | Primer: comparative genetics of animal models of arthritisâ€"a tool to resolve complexity. Nature Clinical Practice Rheumatology, 2007, 3, 104-111. | 3.2 | 3 |
| 400 | Identification of arthritis promoting non-obese diabetic genes in theCia9locus using different genetic strategies. Annals of the Rheumatic Diseases, 2012, 71, A60.1-A60. | 0.5 | 3 |
| 401 | Reply to Liu et al.: Translation of rat congenic data to humans on a conserved MHC-III haplotype associated with rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6323-E6324. | 3.3 | 3 |
| 402 | Editorial: Autoantibodies. Frontiers in Immunology, 2019, 10, 484. | 2.2 | 3 |
| 403 | Endophilin A2 deficiency protects rodents from autoimmune arthritis by modulating T cell activation. Nature Communications, 2021, 12, 610. | 5.8 | 3 |
| 404 | The Use of Animal Models for Rheumatoid Arthritis. Methods in Molecular Medicine, 2007, 136, 185-189. | 0.8 | 3 |
| 405 | A new model of arthritis induced by a glucose-6-phosphate isomerase peptide: immunological requirements and peptide characterisation. Annals of the Rheumatic Diseases, 2012, 71, A83.2-A83. | 0.5 | 2 |
| 406 | Studies of Preclinical Rheumatoid Arthritis Synovial Histologyâ€"A Comparison of Animal Models: Comment on the Article by de Hair et al. Arthritis and Rheumatology, 2014, 66, 1682-1683. | 2.9 | 2 |
| 407 | Ncf1 affects osteoclast formation but is not critical for postmenopausal bone loss. BMC Musculoskeletal Disorders, 2016, 17, 464. | 0.8 | 2 |
| 408 | Dynamics Determine Signaling in a Multicomponent System Associated with Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2018, 61, 4774-4790. | 2.9 | 2 |
| 409 | Neurodegeneration and glial activation patterns after mechanical nerve injury are differentially regulated by nonâ€MHC genes in congenic inbred rat strains. Journal of Comparative Neurology, 2001, 431, 75-87. | 0.9 | 2 |
| 410 | An encephalomyelitis-specific locus on chromosome 16 in mouse controls disease development and expression of immune-regulatory genes. Journal of Neuroimmunology, 2011, 235, 40-47. | 1.1 | 1 |
| 411 | Experimental Models for Rheumatoid Arthritis. , 2017, , 449-460. | | 1 |
| 412 | FRI0071â€…ANTI-CITRULLINATED PROTEIN ANTIBODY SPECIFICITIES, RHEUMATOID FACTOR ISOTYPES AND RISK OF MAJOR ADVERSE CARDIOVASCULAR EVENTS. , 2019, , . | | 1 |
| 413 | P86â€…The NCF1â€“339 polymorphism is associated with altered formation of neutrophil extracellular traps, high serum interferon activity and antiphospholipid syndrome in systemic lupus erythematosus. , 2020, , . | | 1 |
| 414 | Antibodies against native collagen and citrullinated proteins precede the development of rheumatoid arthritis with a consecutive pattern. Annals of the Rheumatic Diseases, 2012, 71, A22.1-A22. | 0.5 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 415 | Characterization of chronic relapsing antibody mediated arthritis in mice with a mutation in Ncf1 causing reduced oxidative burst. Molecular Biomedicine, 2022, 3, 14. | 1.7 | 1 |
| 416 | Studies on Collagen II Induced Arthritis in Mice and Rats. Annals of the New York Academy of Sciences, 1986, 475, 407-408. | 1.8 | 0 |
| 417 | B Cell Presentation of Cartilage Type II Collagen to T Cells. Annals of the New York Academy of Sciences, 1997, 815, 350-352. | 1.8 | 0 |
| 418 | Cartilage autoimmunity in experimental models for rheumatoid arthritis. Japanese Journal of Rheumatology, 1998, 8, 105-116. | 0.0 | 0 |
| 419 | Cartilage autoimmunity in experimental models for rheumatoid arthritis. Japanese Journal of Rheumatology, 1998, 8, 105-116. | 0.0 | 0 |
| 420 | Genetic control of arthritis in rats. Journal of Experimental Animal Science, 2000, 41, 7-13. | 0.5 | 0 |
| 421 | At last â€" rats lacking B cells. European Journal of Immunology, 2010, 40, 2680-2681. | 1.6 | 0 |
| 422 | Pain mechanisms in animal models of rheumatoid arthritis. Scandinavian Journal of Pain, 2010, 1, 168-169. | 0.5 | 0 |
| 423 | Correction: Pathogenic Autoreactive B Cells Are Not Negatively Selected toward Matrix Protein Collagen II. Journal of Immunology, 2012, 189, 3263-3263. | 0.4 | 0 |
| 424 | THU0066â€...IN EARLY RHEUMATOID ARTHRITIS ANTI-CITRULLINATED PEPTIDE ANTIBODIES ASSOCIATE WITH LOWER NUMBER OF AFFECTED JOINTS, AND IGM RHEUMATOID FACTOR WITH SYSTEMIC INFLAMMATION IN AN ANTI-CITRULLINE DEPENDENT MANNER. , 2019, , . | | 0 |
| 425 | Development of Collagen II (CII)â€induced Arthritis Was Associated with High AID and ILâ€17 Expression in BXD2 Mice. FASEB Journal, 2008, 22, 667.17. | 0.2 | 0 |
| 426 | Abstract 636: Accelerated Atherosclerosis in the Context of Rheumatoid Arthritis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, . | 1.1 | 0 |
| 427 | Glycan Activation of Clec4b Induces Reactive Oxygen Species Protecting against Neutrophilia and Arthritis. Antioxidants, 2022, 11, 12. | 2.2 | 0 |
| 428 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 429 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 430 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 431 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 432 | Title is missing!. , 2020, 16, e1008788. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 433 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 434 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 435 | Title is missing!. , 2020, 16, e1008788. | | 0 |
| 436 | Anti-citrullinated protein antibody specificities and pulmonary fibrosis in relation to genetic loci in early rheumatoid arthritis. Rheumatology, 2022, , . | 0.9 | 0 |