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Peer Review Summary

























Performed 15 reviews for journals including *Trends in Molecular Medicine* and *Frontiers in Immunology* between January 2006 and May 2019.

























	1	Trends in Molecular Medicine
	2	Frontiers in Immunology
	5	Clinical & Experimental Immunology
	1	Journal of Immunology Research
	3	Cellular Immunology
	1	Plos One
	1	Journal of Immunology and Clinical Research
	1	Annual European Congress of Rheumatology

Publication List

A list of all publications authored between January 2006 and May 2019.

-  Apr 2019 Journal of Leukocyte Biology
Frontline Science: Aggregated neutrophil extracellular traps prevent inflammation on the neutrophil-rich ocular surface
-  2019 Cell Death and Differentiation
To NET or not to NET: current opinions and state of the science regarding the formation of neutrophil extracellular traps
-  Aug 2018 Frontiers in Immunology
Chemical Tools for Targeted Amplification of Reactive Oxygen Species in Neutrophils
-  Jul 2018 Journal of Neuroimmunology
Low amounts of bisecting glycans characterize cerebrospinal fluid-borne IgG
-  May 2018 Frontiers in Immunology
Autoantibodies Recognizing Secondary Necrotic Cells Promote Neutrophilic Phagocytosis and Identify Patients With Systemic Lupus Erythematosus
-  May 2018 Free Radical Biology and Medicine
ROS is the boss
-  Apr 2018 Frontiers in Microbiology
Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive E. coli
-  Mar 2018 Frontiers in Immunology
A 17-kDa Fragment of Lactoferrin Associates With the Termination of Inflammation and Peptides Within Promote Resolution
-  Feb 2018 Journal of Allergy and Clinical Immunology
The TH1 phenotype of follicular helper T cells indicates an IFN- γ -associated immune dysregulation in patients with CD21low common variable immunodeficiency
-  Jan 2018 Frontiers in Immunology
Elevated Serum Lysophosphatidylcholine in Patients with Systemic Lupus Erythematosus Impairs Phagocytosis of Necrotic Cells In Vitro
-  2018 Autoimmunity
Autoimmune, rheumatic, chronic inflammatory diseases: Neutrophil extracellular traps on parade
-  2018 European Journal of Clinical Investigation
A 17 kDa fragment of lactoferrin associates with the termination of inflammation and peptides within promote resolution
-  2018 Annals of the Rheumatic Diseases
Cleaved N-terminal histone tails distinguish between NADPH oxidase (NOX)-dependent and NOX-independent pathways of neutrophil extracellular trap formation

-  2018 Autoimmunity
Active NET formation in Libman-Sacks endocarditis without antiphospholipid antibodies: A dramatic onset of systemic lupus erythematosus
-  Oct 2017 Frontiers in Immunology
Editorial: NETosis 2: The Excitement Continues
-  Oct 2017 Immunological Reviews
Missing in action-The meaning of cell death in tissue damage and inflammation
-  Oct 2017 European Journal of Immunology
Guidelines for the use of flow cytometry and cell sorting in immunological studies
-  Jul 2017 Frontiers in Immunology
Neutrophil Extracellular Traps Open the Pandora's Box in Severe Malaria
-  Jul 2017 Free Radical Biology and Medicine
ROS is the boss
-  Jun 2017 Clinical & Experimental Immunology
Altered glycan accessibility on native immunoglobulin G complexes in early rheumatoid arthritis and its changes during therapy
-  May 2017 JCI Insight
Experimental lupus is aggravated in mouse strains with impaired induction of neutrophil extracellular traps
-  Apr 2017 Frontiers in Immunology
Inosine Released from Dying or Dead Cells Stimulates Cell Proliferation via Adenosine Receptors
-  2017 European Journal of Immunology
Posttranslational modifications of IgG auto-antibodies
-  Dec 2016 Frontiers in Immunology
Ménage-à-Trois: The Ratio of Bicarbonate to CO₂ and the pH Regulate the Capacity of Neutrophils to Form NETs
-  Dec 2016 Scientific Reports
Blood-borne phagocytes internalize urate microaggregates and prevent intravascular NETosis by urate crystals
-  Dec 2016 Frontiers in Immunology
Oxidative Burst-Dependent NETosis Is Implicated in the Resolution of Necrosis-Associated Sterile Inflammation
-  Sep 2016 Proceedings of the National Academy of Sciences
Nanoparticles size-dependently initiate self-limiting NETosis-driven inflammation
-  Jul 2016 Lupus
Further description of early clinically silent lupus nephritis
-  May 2016 Lupus
Sweet but dangerous – the role of immunoglobulin G glycosylation in autoimmunity and inflammation
-  Mar 2016 Nature Communications
Externalized decondensed neutrophil chromatin occludes pancreatic ducts and drives pancreatitis
-  Mar 2016 Cell Death and Differentiation
A blast without power – cell death induced by the tuberculosis-necrotizing toxin fails to elicit adequate immune responses
-  Feb 2016 Frontiers in Immunology
Clearance Deficiency and Cell Death Pathways: A Model for the Pathogenesis of SLE
-  Feb 2016 Materialwissenschaft und Werkstofftechnik
Magnetic separation of apoptotic cells with lectin-conjugated microparticles
-  Jan 2016 Nature Communications
Cytotoxicity of crystals involves RIPK3-MLKL-mediated necroptosis
-  Jan 2016 Clinical & Experimental Immunology
Sialylation of anti-histone immunoglobulin G autoantibodies determines their capabilities to participate in the clearance of late apoptotic cells
-  2016 Free Radical Biology and Medicine
ROS Ameriolates the Clinical Course of Murine Lupus
-  2016 Immunologic Research
The effects of Kv1.3 and IKCa1 channel inhibition on cytokine production and calcium influx of T lymphocytes in rheumatoid arthritis and ankylosing spondylitis

-  2016 Investigative Ophthalmology & Visual Science
Contribution of annexin A5 to diurnal phagocytosis by the retinal pigment epithelium
-  2016 AIMS Genetics
Antibody glycosylation as a potential biomarker for chronic inflammatory autoimmune diseases
-  Aug 2015 International Journal of Molecular Sciences
Osteoclast Differentiation Is Impaired in a Subgroup of SLE Patients and Correlates Inversely with Mycophenolate Mofetil Treatment
-  Mar 2015 Frontiers in Immunology
Apoptotic Cell Clearance and Its Role in the Origin and Resolution of Chronic Inflammation
-  2015 Journal of Immunology Research
The Pathogenicity of Anti- β 2GPI-IgG Autoantibodies Depends on Fc Glycosylation
-  2015 Annals of the Rheumatic Diseases
THE OXIDATIVE BURST MEDIATES RESOLUTION OF INFLAMMATION AND BONE HOMEOSTASIS IN GOUT
-  2015 Annals of the Rheumatic Diseases
THE NADPH OXIDASE 2 (NOX2) MEDIATES AN ANTI-INFLAMMATORY RESPONSE TO DEAD CELL DEBRIS
-  2015 Clinical & Experimental Immunology
Unconventional apoptosis of polymorphonuclear neutrophils (PMN): staurosporine delays exposure of phosphatidylserine and prevents phagocytosis by M Phi-2 macrophages of PMN
-  2015 Lupus
Altered glycosylation of complexed native IgG molecules is associated with disease activity of systemic lupus erythematosus
-  2015 Clinical and Experimental Rheumatology
The oxidative burst mediates anti-inflammatory clearance of dead cells in a mouse model of Systemic lupus Erythematosus (SLE) and inflammatory arthritis
-  2015 Arthritis & Rheumatology
The Oxidative Burst Mediates Anti-Inflammatory Clearance of Dead Cells in a Mouse Model of SLE and Inflammatory Arthritis
-  2015 Clinical & Experimental Immunology
Loading of nuclear autoantigens prototypically recognized by systemic lupus erythematosus sera into late apoptotic vesicles requires intact microtubules and myosin light chain kinase activity
-  2015 Clinical & Experimental Immunology
Dying autologous cells as instructors of the immune system
-  Nov 2014 Frontiers in Immunology
The Progression of Cell Death Affects the Rejection of Allogeneic Tumors in Immune-Competent Mice – Implications for Cancer Therapy
-  Sep 2014 Nitric Oxide
Working with "H₂S": Facts and apparent artifacts
-  Aug 2014 Expert Review of Clinical Immunology
The role of dead cell clearance in the etiology and pathogenesis of systemic lupus erythematosus: dendritic cells as potential targets
-  May 2014 Frontiers in Immunology
Tumor Immunotherapy: Lessons from Autoimmunity
-  Apr 2014 Proceedings of the National Academy of Sciences
An outer membrane channel protein of Mycobacterium tuberculosis with exotoxin activity
-  Mar 2014 Antioxidants & Redox Signaling
Redox Modulation of HMGB1-Related Signaling
-  2014 Nature Medicine
Aggregated neutrophil extracellular traps limit inflammation by degrading cytokines and chemokines
-  2014 Clinical and Experimental Rheumatology
ACTIVATION OF LIVER X RECEPTORS INHIBITS EXPERIMENTAL FIBROSIS BY INTERFERING WITH INTERLEUKIN-6 RELEASE FROM MACROPHAGES
-  Dec 2013 Physical Biology
Surface code—biophysical signals for apoptotic cell clearance
-  Dec 2013 Physical Biology
Cooperative binding of Annexin A5 to phosphatidylserine on apoptotic cell membranes
-  Jul 2013 Cell Death and Differentiation

Milk fat globule-EGF factor 8 mediates the enhancement of apoptotic cell clearance by glucocorticoids



Apr 2013 International Journal of Molecular Sciences

Magnetic Drug Targeting Reduces the Chemotherapeutic Burden on Circulating Leukocytes



Feb 2013 Autoimmunity

Colourful death: Six-parameter classification of cell death by flow cytometry—Dead cells tell tales



Feb 2013 Autoimmunity

UVB-irradiated apoptotic cells induce accelerated growth of co-implanted viable tumor cells in immune competent mice



Jan 2013 Autoimmunity

Model systems for rapid and slow induction of apoptosis obtained by inducible expression of pro-apoptotic proteins



Jan 2013 Annals of the Rheumatic Diseases

Activation of pregnane X receptor inhibits experimental dermal fibrosis



2013 Glycobiology

Autoantibodies against galectins are associated with antiphospholipid syndrome in patients with systemic lupus erythematosus



2013 Annals of the Rheumatic Diseases

Autophagy regulates TNF α -mediated joint destruction in experimental arthritis



2013 Internist

Sialylation of anti-histone IgG from patients with systemic lupus erythematosus determines their functional capabilities



2013 Arthritis & Rheumatology

Activation Of Liver X Receptors Inhibits Experimental Fibrosis By Interfering With Interleukin-6 Release From Macrophages.



Dec 2012 Frontiers in Immunology

Bonding the foe – NETting neutrophils immobilize the pro-inflammatory monosodium urate crystals



Sep 2012 Autoimmunity

When autologous chromatin becomes a foe



Sep 2012 Cytometry Part A

Detection of low level cryoglobulins by flow cytometry



Aug 2012 Blood

Inhibition of hedgehog signaling for the treatment of murine sclerodermatous chronic graft-versus-host disease



Jun 2012 Autoimmunity

Patients with unstable angina pectoris show an increased frequency of the Fc gamma R11a R131 allele



May 2012 Lupus

Autoantibodies against galectin-2 peptides as biomarkers for the antiphospholipid syndrome



Feb 2012 Annals of the Rheumatic Diseases

Immune complex formation after exposure of autoantigens on the surface of secondary necrotic cells (SNEC) promotes inflammation in SLE



2012 Journal of Biological Chemistry

Macrophages Discriminate Glycosylation Patterns of Apoptotic Cell-derived Microparticles



2012 Rheumatology

Do low vitamin D levels cause problems of waste removal in patients with SLE?



2012 Arthritis & Rheumatology

Activation of Pregnane X Receptor Induces Regression of Experimental Dermal Fibrosis



2012 Arthritis & Rheumatology

Hedgehog Signaling in Murine Chronic Sclerodermatous Graft-Versus-Host Disease



Jun 2011 Journal of Cellular and Molecular Medicine

Role of guanylate binding protein-1 in vascular defects associated with chronic inflammatory diseases



Feb 2011 Annals of the Rheumatic Diseases

Formation of gouty tophi is initiated by extranuclear DNA


























Feb 2011 Annals of the Rheumatic Diseases

MSU, the adjuvans of dying cells activates the NALP3 inflammasome by sodium overload



Feb 2011 Annals of the Rheumatic Diseases

Secondarily necrotic cell-derived material (SNEC) causes systemic inflammation in sle by exposing autoantigens for immune complex formation

-  Feb 2011 Annals of the Rheumatic Diseases
CRP discriminates primary from secondary necrosis
-  2011 Radiation Oncology
Apoptosis induction and tumor cell repopulation: The yin and yang of radiotherapy
-  2011 Journal of Biological Chemistry
Sodium Overload and Water Influx Activate the NALP3 Inflammasome
-  2011 Frontiers in Immunology
CRP/anti-CRP Antibodies Assembly on the Surfaces of Cell Remnants Switches Their Phagocytic Clearance Toward Inflammation
-  Nov 2010 Autoimmunity Reviews
Autoimmunity and chronic inflammation – Two clearance-related steps in the etiopathogenesis of SLE
-  Sep 2010 Strahlentherapie und Onkologie
DEGRO 2010
-  May 2010 Nature Reviews Rheumatology
The role of defective clearance of apoptotic cells in systemic autoimmunity
-  Apr 2010 Autoimmunity Reviews
Scent of dying cells: The role of attraction signals in the clearance of apoptotic cells and its immunological consequences
-  Mar 2010 Apoptosis
Inefficient clearance of dying cells in patients with SLE: anti-dsDNA autoantibodies, MFG-E8, HMGB-1 and other players
-  Mar 2010 Annals of the Rheumatic Diseases
HMGB1 containing nucleosomes from apoptotic cells induce inflammation and immune activation via TLR2 - implications for the etiopathogenesis of systemic lupus erythematosus
-  Feb 2010 Autoimmunity
The uptake by blood-borne phagocytes of monosodium urate is dependent on heat-labile serum factor(s) and divalent cations
-  Feb 2010 Autoimmunity
IgG opsonized nuclear remnants from dead cells cause systemic inflammation in SLE
-  Jan 2010 Zeitschrift für Rheumatologie
Die Bedeutung einer unvollständigen Beseitigung apoptotischer Zellen für Ätiologie und Pathogenese des SLE The role of incomplete clearance of apoptotic cells in the etiology and pathogenesis of SLE
-  2010 Strahlentherapie und Onkologie
Low dose irradiation influences the inflammatory phenotype of activated macrophages in a discontinuous dose depended manner
-  Nov 2009 Molecules
Phospholipids: Key Players in Apoptosis and Immune Regulation
-  Nov 2009 Journal of Immunotoxicology
AnnexinA5 renders dead tumor cells immunogenic—implications for multimodal cancer therapies
-  Aug 2009 Autoimmunity
Sodium and potassium urate crystals differ in their inflammatory potential
-  Aug 2009 Autoimmunity
Treatment with DNase I fosters binding to nec PBMC of CRP
-  Aug 2009 Autoimmunity
MoMa from patients with systemic lupus erythematosus show altered adhesive activity
-  Aug 2009 Biochemical and Biophysical Research Communications
Photopheresis with UV-A light and 8-methoxypsoralen leads to cell death and to release of blebs with anti-inflammatory phenotype in activated and non-activated lymphocytes
-  Jul 2009 Autoimmunity
Modulation of the immune system by dying cells and the phosphatidylserine-ligand annexin A5
-  Jul 2009 Autoimmunity
Opsonization by anti-dsDNA antibodies of apoptotic cells in systemic lupus erythematosus
-  Jul 2009 Journal of Cellular and Molecular Medicine
The immune reaction against allogeneic necrotic cells is reduced in Annexin A5 knock out mice whose macrophages display an anti-inflammatory phenotype

-  Jun 2009 Arthritis & Rheumatology
Remnants of secondarily necrotic cells fuel inflammation in systemic lupus erythematosus
-  Dec 2008 The Journal of Experimental Medicine
Induction of inflammatory and immune responses by HMGB1–nucleosome complexes: implications for the pathogenesis of SLE
-  Oct 2008 Autoimmunity Reviews
Clearance deficiency—A potential link between infections and autoimmunity
-  Oct 2008 Autoimmunity Reviews
Inflammatory clearance of apoptotic remnants in systemic lupus erythematosus (SLE)
-  Sep 2008 Autoimmunity Reviews
Predictive value of anti-dsDNA autoantibodies: Importance of the assay
-  May 2008 Lupus
Apoptosis in the pathogenesis of systemic lupus erythematosus
-  2008 Annals of the Rheumatic Diseases
IgG autoantibodies bound to surfaces of necrotic cells and complement C4 comprise the phagocytosis promoting activity for necrotic cells of systemic lupus erythematosus sera
-  Oct 2007 Aktuelle Rheumatologie
The Low Throughput Protein A Adsorber: An Immune Modulatory Device for the Treatment of Rheumatoid Arthritis
-  Mar 2007 Journal of Autoimmunity
Clearance deficiency and systemic lupus erythematosus (SLE)
-  Feb 2007 Current Medicinal Chemistry
The role of annexin A5 in the modulation of the immune response against dying and dead cells
-  2007 Journal of Leukocyte Biology
The influence on the immunomodulatory effects of dying and dead cells of Annexin V
-  2007 Zeitschrift für Rheumatologie
Apoptosis, necrosis and autoantibodies
-  Jan 2006 Current Topics in Microbiology and Immunology
Inefficient clearance of dying cells and autoreactivity
-