

# Mikhail A Gavrilin

## List of Publications by Year in descending order

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45  
papers

2,172  
citations

257450

24  
h-index

254184

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammasome Priming by Lipopolysaccharide Is Dependent upon ERK Signaling and Proteasome Function. <i>Journal of Immunology</i> , 2014, 192, 3881-3888.	0.8	188
2	Internalization and phagosome escape required for <i>Francisella</i> to induce human monocyte IL-1 $\beta$ processing and release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 141-146.	7.1	181
3	Autophagy stimulation by rapamycin suppresses lung inflammation and infection by <i>Burkholderia cenocepacia</i> in a model of cystic fibrosis. <i>Autophagy</i> , 2011, 7, 1359-1370.	9.1	180
4	Pyrin Levels in Human Monocytes and Monocyte-Derived Macrophages Regulate IL-1 $\beta$ Processing and Release. <i>Journal of Immunology</i> , 2007, 179, 1274-1281.	0.8	125
5	Activation of the Pyrin Inflammasome by Intracellular <i>Burkholderia cenocepacia</i> . <i>Journal of Immunology</i> , 2012, 188, 3469-3477.	0.8	115
6	Microarray Analysis of Human Monocytes Infected with <i>Francisella tularensis</i> Identifies New Targets of Host Response Subversion. <i>PLoS ONE</i> , 2008, 3, e2924.	2.5	110
7	The <i>Yersinia pestis</i> Effector YopM Inhibits Pyrin Inflammasome Activation. <i>PLoS Pathogens</i> , 2016, 12, e1006035.	4.7	98
8	Pyrin Critical to Macrophage IL-1 $\beta$ Response to <i>Francisella</i> Challenge. <i>Journal of Immunology</i> , 2009, 182, 7982-7989.	0.8	91
9	Inflammasome mRNA Expression in Human Monocytes during Early Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 983-988.	5.6	80
10	NF- $\kappa$ B-dependent Fas ligand expression. <i>European Journal of Immunology</i> , 1999, 29, 2948-2956.	2.9	68
11	Microparticulate Caspase 1 Regulates Gasdermin D and Pulmonary Vascular Endothelial Cell Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 56-64.	2.9	66
12	Monocyte Caspase-1 Is Released in a Stable, Active High Molecular Weight Complex Distinct from the Unstable Cell Lysate-Activated Caspase-1. <i>PLoS ONE</i> , 2015, 10, e0142203.	2.5	60
13	Apoptosis-associated Speck-like Protein (ASC) Controls <i>Legionella pneumophila</i> Infection in Human Monocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 3203-3208.	3.4	57
14	Monocyte mRNA Phenotype and Adverse Outcomes From Pediatric Multiple Organ Dysfunction Syndrome. <i>Pediatric Research</i> , 2007, 62, 597-603.	2.3	51
15	CASP4/caspase-11 promotes autophagosome formation in response to bacterial infection. <i>Autophagy</i> , 2018, 14, 1928-1942.	9.1	50
16	Caspase-11 Mediates Neutrophil Chemotaxis and Extracellular Trap Formation During Acute Gouty Arthritis Through Alteration of Cofilin Phosphorylation. <i>Frontiers in Immunology</i> , 2019, 10, 2519.	4.8	50
17	Supernatants from stored red blood cell (RBC) units, but not RBC-derived microvesicles, suppress monocyte function in vitro. <i>Transfusion</i> , 2015, 55, 1937-1945.	1.6	44
18	Checks and Balances between Autophagy and Inflammasomes during Infection. <i>Journal of Molecular Biology</i> , 2018, 430, 174-192.	4.2	41

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19	Asc-Dependent and Independent Mechanisms Contribute to Restriction of Legionella Pneumophila Infection in Murine Macrophages. <i>Frontiers in Microbiology</i> , 2011, 2, 18.	3.5	37
20	Ethanol and Other Short-Chain Alcohols Inhibit NLRP3 Inflammasome Activation through Protein Tyrosine Phosphatase Stimulation. <i>Journal of Immunology</i> , 2016, 197, 1322-1334.	0.8	37
21	Relative Roles of Listeriolysin O, InlA, and InlB in Listeria monocytogenes Uptake by Host Cells. <i>Infection and Immunity</i> , 2018, 86, .	2.2	37
22	Elevated Expression of MiR-17 in Microglia of Alzheimer's Disease Patients Abrogates Autophagy-Mediated Amyloid- $\beta$ Degradation. <i>Frontiers in Immunology</i> , 2021, 12, 705581.	4.8	34
23	Francisella Recognition by Inflammasomes: Differences between Mice and Men. <i>Frontiers in Microbiology</i> , 2011, 2, 11.	3.5	33
24	Mycoplasma Suppression of THP-1 Cell TLR Responses Is Corrected with Antibiotics. <i>PLoS ONE</i> , 2010, 5, e9900.	2.5	31
25	Docosahexaenoic Acid Suppresses Silica-Induced Inflammasome Activation and IL-1 Cytokine Release by Interfering With Priming Signal. <i>Frontiers in Immunology</i> , 2019, 10, 2130.	4.8	30
26	Caspase-1 counteracts mitochondrial ROS-mediated clearance of <i>Staphylococcus aureus</i> in macrophages. <i>EMBO Reports</i> , 2019, 20, e48109.	4.5	28
27	Virulent Type A Francisella tularensis actively suppresses cytokine responses in human monocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 45.	3.9	26
28	House Dust Mite Allergens and the Induction of Monocyte Interleukin 1 $\beta$ Production That Triggers an IL-1 $\beta$ -Dependent Granulocyte Macrophage Colony-Stimulating Factor Release from Human Lung Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 400-411.	2.9	26
29	Adenovirus VA RNAI Blocks ASC Oligomerization and Inhibits NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2019, 10, 2791.	4.8	23
30	Methylomic correlates of autophagy activity in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2019, 18, 491-500.	0.7	21
31	Gasdermin D restricts Burkholderia cenocepacia infection in vitro and in vivo. <i>Scientific Reports</i> , 2021, 11, 855.	3.3	21
32	Inflammasome Priming Is Similar for Francisella Species That Differentially Induce Inflammasome Activation. <i>PLoS ONE</i> , 2015, 10, e0127278.	2.5	21
33	Tyrosine phosphatase inhibition induces an ASC-dependent pyroptosis. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 384-389.	2.1	19
34	Human Placental Trophoblasts Infected by Listeria monocytogenes Undergo a Pro-Inflammatory Switch Associated With Poor Pregnancy Outcomes. <i>Frontiers in Immunology</i> , 2021, 12, 709466.	4.8	17
35	Complement Receptor 3-Mediated Inhibition of Inflammasome Priming by Ras GTPase-Activating Protein During Francisella tularensis Phagocytosis by Human Mononuclear Phagocytes. <i>Frontiers in Immunology</i> , 2018, 9, 561.	4.8	13
36	Receptor Interacting Protein-2 Plays a Critical Role in Human Lung Epithelial Cells Survival in Response to Fas-Induced Cell-Death. <i>PLoS ONE</i> , 2014, 9, e92731.	2.5	12

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37	Omega-3 Docosahexaenoic Acid (DHA) Impedes Silica-Induced Macrophage Corpse Accumulation by Attenuating Cell Death and Potentiating Efferocytosis. <i>Frontiers in Immunology</i> , 2020, 11, 2179.	4.8	11
38	Inflammasome Adaptor ASC Is Highly Elevated in Lung Over Plasma and Relates to Inflammation and Lung Diffusion in the Absence of Speck Formation. <i>Frontiers in Immunology</i> , 2020, 11, 461.	4.8	10
39	cAbl Kinase Regulates Inflammasome Activation and Pyroptosis via ASC Phosphorylation. <i>Journal of Immunology</i> , 2021, 206, 1329-1336.	0.8	7
40	Inflammasome Activation in an In Vitro Sepsis Model Recapitulates Increased Monocyte Distribution Width Seen in Patients With Sepsis. , 2022, 4, e0631.		7
41	Defective immunometabolism pathways in cystic fibrosis macrophages. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 664-672.	0.7	5
42	The central inflammasome adaptor protein ASC activates the inflammasome after transition from a soluble to an insoluble state. <i>Journal of Biological Chemistry</i> , 2022, 298, 102024.	3.4	5
43	Caspase-11 regulates lung inflammation in response to house dust mites. <i>Cellular Immunology</i> , 2021, 370, 104425.	3.0	4
44	Dietary Postbiotics Reduced Cytotoxicity and IL-1 Cytokine Release Induced by Crystalline Silica in Lipopolysaccharide-Primed Macrophages. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa068_005.	0.3	0
45	Brief Report: Increased Cotinine Concentrations are Associated With Reduced Expression of Cathelicidin (LL-37) and NOD-2 in Alveolar Macrophages of PLWH Who Smoke. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 85, 670-673.	2.1	0