

# Ioannis Mitroulis

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

9,982  
citations

76326

40  
h-index

71685

76  
g-index

95  
all docs

95  
docs citations

95  
times ranked

19232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. <i>Cell</i> , 2018, 172, 147-161.e12.	28.9	702
3	Complement and tissue factor-enriched neutrophil extracellular traps are key drivers in COVID-19 immunothrombosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 6151-6157.	8.2	580
4	Neutrophil Extracellular Trap Formation Is Associated with IL-1 $\beta$ and Autophagy-Related Signaling in Gout. <i>PLoS ONE</i> , 2011, 6, e29318.	2.5	333
5	Expression of functional tissue factor by neutrophil extracellular traps in culprit artery of acute myocardial infarction. <i>European Heart Journal</i> , 2015, 36, 1405-1414.	2.2	324
6	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	11.2	295
7	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. <i>Cell</i> , 2020, 183, 771-785.e12.	28.9	277
8	Neutrophil extracellular traps promote differentiation and function of fibroblasts. <i>Journal of Pathology</i> , 2014, 233, 294-307.	4.5	262
9	Tissue factor expression in neutrophil extracellular traps and neutrophil derived microparticles in antineutrophil cytoplasmic antibody associated vasculitis may promote thromboinflammation and the thrombophilic state associated with the disease. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1854-1863.	0.9	229
10	Leukocyte integrins: Role in leukocyte recruitment and as therapeutic targets in inflammatory disease. <i>Journal of Internal Medicine</i> , 2015, 147, 123-135.		209
11	Hematopoietic progenitor cells as integrative hubs for adaptation to and fine-tuning of inflammation. <i>Nature Immunology</i> , 2019, 20, 802-811.	14.5	205
12	Patients with COVID-19: in the dark-NETs of neutrophils. <i>Cell Death and Differentiation</i> , 2021, 28, 3125-3139.	11.2	189
13	DEL-1 promotes macrophage efferocytosis and clearance of inflammation. <i>Nature Immunology</i> , 2019, 20, 40-49.	14.5	182
14	Autophagy Mediates the Delivery of Thrombogenic Tissue Factor to Neutrophil Extracellular Traps in Human Sepsis. <i>PLoS ONE</i> , 2012, 7, e45427.	2.5	181
15	A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. <i>Nature Immunology</i> , 2017, 18, 654-664.	14.5	139
16	Targeting IL-1 $\beta$ in disease; the expanding role of NLRP3 inflammasome. <i>European Journal of Internal Medicine</i> , 2010, 21, 157-163.	2.2	125
17	Complement anaphylatoxin C5a contributes to hemodialysis-associated thrombosis. <i>Blood</i> , 2010, 116, 631-639.	1.4	124
18	Regulation of the autophagic machinery in human neutrophils. <i>European Journal of Immunology</i> , 2010, 40, 1461-1472.	2.9	118

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19	Neutrophils, IL-1 $\beta$ , and gout: is there a link?. <i>Seminars in Immunopathology</i> , 2013, 35, 501-512.	6.1	110
20	Blood coagulation factor XII drives adaptive immunity during neuroinflammation via CD87-mediated modulation of dendritic cells. <i>Nature Communications</i> , 2016, 7, 11626.	12.8	105
21	The emerging role of neutrophils in thrombosis—the journey of TF through NETs. <i>Frontiers in Immunology</i> , 2012, 3, 385.	4.8	99
22	Neutrophil extracellular traps regulate IL-1 $\beta$ -mediated inflammation in familial Mediterranean fever. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 269-277.	0.9	94
23	Immunometabolic Crosstalk: An Ancestral Principle of Trained Immunity?. <i>Trends in Immunology</i> , 2019, 40, 1-11.	6.8	92
24	From leukocyte recruitment to resolution of inflammation: the cardinal role of integrins. <i>Journal of Leukocyte Biology</i> , 2017, 102, 677-683.	3.3	91
25	Maladaptive innate immune training of myelopoiesis links inflammatory comorbidities. <i>Cell</i> , 2022, 185, 1709-1727.e18.	28.9	91
26	Autophagy in Neutrophils: From Granulopoiesis to Neutrophil Extracellular Traps. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 109.	3.7	89
27	REDD1/Autophagy Pathway Is Associated with Neutrophil-Driven IL-1 $\beta$ Inflammatory Response in Active Ulcerative Colitis. <i>Journal of Immunology</i> , 2018, 200, 3950-3961.	0.8	84
28	DEL-1 restrains osteoclastogenesis and inhibits inflammatory bone loss in nonhuman primates. <i>Science Translational Medicine</i> , 2015, 7, 307ra155.	12.4	81
29	Interferon lambda1/IL-29 and inorganic polyphosphate are novel regulators of neutrophil-driven thromboinflammation. <i>Journal of Pathology</i> , 2017, 243, 111-122.	4.5	79
30	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. <i>Journal of Clinical Investigation</i> , 2017, 127, 3624-3639.	8.2	78
31	Regulation of the Bone Marrow Niche by Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1540.	4.8	70
32	The Population Genetics of Familial Mediterranean Fever: A Meta-Analysis Study. <i>Annals of Human Genetics</i> , 2008, 72, 752-761.	0.8	67
33	Myelopoiesis in the Context of Innate Immunity. <i>Journal of Innate Immunity</i> , 2018, 10, 365-372.	3.8	62
34	Regulated in development and DNA damage responses 1 (REDD1) links stress with IL-1 $\beta$ -mediated familial Mediterranean fever attack through autophagy-driven neutrophil extracellular traps. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1378-1387.e13.	2.9	58
35	Tumor-Associated Neutrophils in Hepatocellular Carcinoma Pathogenesis, Prognosis, and Therapy. <i>Cancers</i> , 2021, 13, 2899.	3.7	58
36	Tumor-Associated Macrophages in Hepatocellular Carcinoma Pathogenesis, Prognosis and Therapy. <i>Cancers</i> , 2022, 14, 226.	3.7	55

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37	NETopathies? Unraveling the Dark Side of Old Diseases through Neutrophils. <i>Frontiers in Immunology</i> , 2016, 7, 678.	4.8	49
38	Long-term safety of rituximab in patients with rheumatic diseases and chronic or resolved hepatitis B virus infection. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 308-310.	0.9	48
39	The efficacy of canakinumab in the treatment of a patient with familial Mediterranean fever and longstanding destructive arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1347-1348.	0.9	47
40	Immunomodulatory Role of Clarithromycin in <i>Acinetobacter baumannii</i> Infection via Formation of Neutrophil Extracellular Traps. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1040-1048.	3.2	47
41	Linking Complement Activation, Coagulation, and Neutrophils in Transplant-Associated Thrombotic Microangiopathy. <i>Thrombosis and Haemostasis</i> , 2019, 119, 1433-1440.	3.4	45
42	Developmental endothelial locus-1 attenuates complement-dependent phagocytosis through inhibition of Mac-1-integrin. <i>Thrombosis and Haemostasis</i> , 2014, 112, 1004-1006.	3.4	44
43	Transcriptome reprogramming and myeloid skewing in haematopoietic stem and progenitor cells in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 242-253.	0.9	44
44	Endothelin-1 Signaling Promotes Fibrosis In Vitro in a Bronchopulmonary Dysplasia Model by Activating the Extrinsic Coagulation Cascade. <i>Journal of Immunology</i> , 2011, 186, 6568-6575.	0.8	40
45	Contact activation of C3 enables tethering between activated platelets and polymorphonuclear leukocytes via CD11b/CD18. <i>Thrombosis and Haemostasis</i> , 2015, 114, 1207-1217.	3.4	38
46	Endothelial-Specific Deficiency of ATG5 (Autophagy Protein 5) Attenuates Ischemia-Related Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1137-1148.	2.4	36
47	Developmental endothelial locus-1 modulates platelet-monocyte interactions and instant blood-mediated inflammatory reaction in islet transplantation. <i>Thrombosis and Haemostasis</i> , 2016, 115, 781-788.	3.4	35
48	Neutrophils as Orchestrators in Tumor Development and Metastasis Formation. <i>Frontiers in Oncology</i> , 2020, 10, 581457.	2.8	33
49	A novel pathway of rapid TLR-triggered activation of integrin-dependent leukocyte adhesion that requires Rap1 GTPase. <i>Molecular Biology of the Cell</i> , 2014, 25, 2948-2955.	2.1	29
50	The multivalent activity of the tissue factor-thrombin pathway in thrombotic and non-thrombotic disorders as a target for therapeutic intervention. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 75-89.	3.4	27
51	Nerve growth factor regulates endothelial cell survival and pathological retinal angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2362-2371.	3.6	26
52	In vivo induction of the autophagic machinery in human bone marrow cells during <i>Leishmania donovani</i> complex infection. <i>Parasitology International</i> , 2009, 58, 475-477.	1.3	25
53	Autoinflammation: Lessons from the study of familial Mediterranean fever. <i>Journal of Autoimmunity</i> , 2019, 104, 102305.	6.5	25
54	Tissue factor-thrombin signaling enhances the fibrotic activity of myofibroblasts in systemic sclerosis through up-regulation of endothelin receptor A. <i>Arthritis and Rheumatism</i> , 2011, 63, 3586-3597.	6.7	22

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55	Regulation of tissue infiltration by neutrophils. <i>Current Opinion in Hematology</i> , 2016, 23, 36-43.	2.5	22
56	Trained Innate Immunity and Its Implications for Mucosal Immunity and Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1197, 11-26.	1.6	22
57	Evidence for the involvement of mTOR inhibition and basal autophagy in familial Mediterranean fever phenotype. <i>Human Immunology</i> , 2011, 72, 135-138.	2.4	21
58	Host Cell Autophagy in Immune Response to Zoonotic Infections. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-9.	3.3	17
59	Complement Inhibition in a Xenogeneic Model of Interactions Between Human Whole Blood and Porcine Endothelium. <i>Hormone and Metabolic Research</i> , 2015, 47, 36-42.	1.5	17
60	Endothelial Cell-Specific Overexpression of Del-1 Drives Expansion of Haematopoietic Progenitor Cells in the Bone Marrow. <i>Thrombosis and Haemostasis</i> , 2018, 118, 613-616.	3.4	16
61	CD147 is a Novel Interaction Partner of Integrin $\alpha 2$ Mediating Leukocyte and Platelet Adhesion. <i>Biomolecules</i> , 2020, 10, 541.	4.0	15
62	Combined administration of inhaled DNase, baricitinib and tocilizumab as rescue treatment in COVID-19 patients with severe respiratory failure. <i>Clinical Immunology</i> , 2022, 238, 109016.	3.2	15
63	MEFV heterogeneity in Turkish Familial Mediterranean Fever patients. <i>Molecular Biology Reports</i> , 2010, 37, 355-358.	2.3	12
64	TLR2 and TLR4 polymorphisms in familial Mediterranean fever. <i>Human Immunology</i> , 2009, 70, 750-753.	2.4	11
65	Trained Immunity and Cardiometabolic Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 41, 48-54.	2.4	11
66	Increased Neutrophil Extracellular Traps Related to Smoking Intensity and Subclinical Atherosclerosis in Patients with Type 2 Diabetes. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1587-1589.	3.4	9
67	Brief Report: Endothelial-Specific $\alpha$ 1 Deficiency Limits Tumor Necrosis Factor-Induced Leukocyte Recruitment and Vasculitis. <i>Arthritis and Rheumatology</i> , 2015, 67, 3279-3285.	5.6	8
68	Genetic analysis of C5a receptors in neutrophils from patients with familial Mediterranean fever. <i>Molecular Biology Reports</i> , 2012, 39, 5503-5510.	2.3	7
69	Modulation of IL-6/STAT3 signaling axis in CD4 <sup>+</sup> FOXP3 <sup>+</sup> T cells represents a potential antitumor mechanism of azacitidine. <i>Blood Advances</i> , 2021, 5, 129-142.	5.2	7
70	Levels of Produced Antibodies after Vaccination with mRNA Vaccine; Effect of Previous Infection with SARS-CoV-2. <i>Journal of Clinical Medicine</i> , 2021, 10, 2842.	2.4	7
71	Patrolling human SLE haematopoietic progenitors demonstrate enhanced extramedullary colonisation; implications for peripheral tissue injury. <i>Scientific Reports</i> , 2021, 11, 15759.	3.3	5
72	Fast and reliable mutation detection of the complete exon 11 <i>JAK2</i> coding region using non-isotopic RNase cleavage assay (NIRCA). <i>European Journal of Haematology</i> , 2009, 83, 215-219.	2.2	4

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73	Enhanced release of neutrophil extracellular traps from peripheral blood neutrophils in patients with rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A79.2-A79.	0.9	4
74	53BP1 Deficiency Promotes Pathological Neovascularization in Proliferative Retinopathy. <i>Thrombosis and Haemostasis</i> , 2019, 119, 439-448.	3.4	4
75	$\hat{1}\pm 3\hat{1}^2$ is INTEGRAL to septic neutrophils. <i>Blood</i> , 2014, 124, 3507-3508.	1.4	3
76	THU0394...Long-Term Therapy with Canakinumab in Two Patients with Refractory Chronic Autoinflammatory Arthritis. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 318.1-318.	0.9	3
77	JAM-C Expression as a Biomarker to Predict Outcome of Patients with Acute Myeloid Leukemia...Letter. <i>Cancer Research</i> , 2018, 78, 6339-6341.	0.9	3
78	A2.8...Enhanced Neutrophil Extracellular Trap Formation in Rheumatoid Arthritis Patients is Correlated with High Levels of Rheumatoid Factor (RF). <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A7.1-A7.	0.9	0
79	FRI0019...Peripheral blood neutrophils derived from patients with rheumatoid arthritis exhibit increased neutrophil extracellular trap formation. <i>Annals of the Rheumatic Diseases</i> , 2013, 71, 316.2-316.	0.9	0
80	THU0205...THE HEMATOPOIETIC STEM CELLS (HSCS) IN SYSTEMIC LUPUS ERYTHEMATOSUS (SLE) REPROGRAM THEIR TRANSCRIPTOME: IMPLICATIONS FOR THE PATHOGENESIS OF THE DISEASE. , 2019, , .		0
81	POS0418...SPLENIC EXTRAMEDULLARY HEMATOPOIESIS IS OMNIPRESENT AND CORRELATES WITH DISEASE SEVERITY IN THE LUPUS NZB/W F1 MURINE MODEL. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 438.1-438.	0.9	0
82	Patrolling Human SLE Haematopoietic Progenitors Demonstrate Enhanced Extramedullary Colonisation; Implications for Peripheral Tissue Injury. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
83	Prevalence of anti-SARS-CoV-2 IgG antibodies in a group of patients, a control group, and healthcare workers of Thrace area in Greece, by the use of two distinct methods. <i>Germs</i> , 2021, 11, 372-380.	1.3	0
84	CT Findings of Pulmonary Involvement in Antiphospholipid Syndrome. <i>British Journal of Medicine and Medical Research</i> , 2013, 3, 855-867.	0.2	0
85	Leukocyte Recruitment. , 2015, , 1-9.		0
86	Leukocyte Recruitment. , 2016, , 841-849.		0
87	PS1529 CROSSTALK AMONG COMPLEMENT, COAGULATION AND NEUTROPHILS IN TRANSPLANT-ASSOCIATED THROMBOTIC MICROANGIOPATHY. <i>HemaSphere</i> , 2019, 3, 705-706.	2.7	0
88	Modulation of the IL-6/STAT3 Signaling Axis in CD4+ T Cells As a Potential Immune Mechanism of Action of Azacytidine in High-Risk Myelodysplastic Syndromes. <i>Blood</i> , 2019, 134, 2988-2988.	1.4	0