

# Mordechay Gerlic

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58  
papers

3,343  
citations

25  
h-index

57  
g-index

61  
ext. papers

4,193  
ext. citations

11.4  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
58	RIPK1 regulates RIPK3-MLKL-driven systemic inflammation and emergency hematopoiesis. <i>Cell</i> , <b>2014</b> , 157, 1175-88	56.2	400
57	RIPK3 promotes cell death and NLRP3 inflammasome activation in the absence of MLKL. <i>Nature Communications</i> , <b>2015</b> , 6, 6282	17.4	367
56	Cutting edge: miR-223 and EBV miR-BART15 regulate the NLRP3 inflammasome and IL-1 $\beta$ production. <i>Journal of Immunology</i> , <b>2012</b> , 189, 3795-9	5.3	316
55	The diverse role of RIP kinases in necroptosis and inflammation. <i>Nature Immunology</i> , <b>2015</b> , 16, 689-97	19.1	310
54	miR-223: infection, inflammation and cancer. <i>Journal of Internal Medicine</i> , <b>2013</b> , 274, 215-26	10.8	266
53	NLRP1 inflammasome activation induces pyroptosis of hematopoietic progenitor cells. <i>Immunity</i> , <b>2012</b> , 37, 1009-23	32.3	212
52	The CARD plays a critical role in ASC foci formation and inflammasome signalling. <i>Biochemical Journal</i> , <b>2013</b> , 449, 613-21	3.8	119
51	Phosphatidylserine externalization, "necroptotic bodies" release, and phagocytosis during necroptosis. <i>PLoS Biology</i> , <b>2017</b> , 15, e2002711	9.7	106
50	IL-18 Production from the NLRP1 Inflammasome Prevents Obesity and Metabolic Syndrome. <i>Cell Metabolism</i> , <b>2016</b> , 23, 155-64	24.6	101
49	NLRP3 inflammasome in fibroblasts links tissue damage with inflammation in breast cancer progression and metastasis. <i>Nature Communications</i> , <b>2019</b> , 10, 4375	17.4	99
48	Malaria parasite DNA-harboring vesicles activate cytosolic immune sensors. <i>Nature Communications</i> , <b>2017</b> , 8, 1985	17.4	91
47	OR11-006 - A mutation in NLRP1A causes autoinflammation. <i>Pediatric Rheumatology</i> , <b>2013</b> , 11,	3.5	78
46	Potential Antigenic Cross-reactivity Between Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Dengue Viruses. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2444-e2449	11.6	73
45	Vaccinia virus F1L protein promotes virulence by inhibiting inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 7808-13	11.5	63
44	A <i>Toxoplasma gondii</i> Gluconeogenic Enzyme Contributes to Robust Central Carbon Metabolism and Is Essential for Replication and Virulence. <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 210-20	23.4	56
43	Flipping the dogma - phosphatidylserine in non-apoptotic cell death. <i>Cell Communication and Signaling</i> , <b>2019</b> , 17, 139	7.5	54
42	Macrophages, rather than DCs, are responsible for inflammasome activity in the GM-CSF BMDC model. <i>Nature Immunology</i> , <b>2019</b> , 20, 397-406	19.1	53

41	Regulation of Starch Stores by a Ca(2+)-Dependent Protein Kinase Is Essential for Viable Cyst Development in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 670-81	23.4	49
40	Pyroptotic death storms and cytopenia. <i>Current Opinion in Immunology</i> , <b>2014</b> , 26, 128-37	7.8	47
39	ARTS and Siah collaborate in a pathway for XIAP degradation. <i>Molecular Cell</i> , <b>2011</b> , 41, 107-16	17.6	46
38	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , <b>2018</b> , 9, 3728	17.4	45
37	Discovery and characterization of 2-aminobenzimidazole derivatives as selective NOD1 inhibitors. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 825-32		40
36	Necroptosis directly induces the release of full-length biologically active IL-33 in vitro and in an inflammatory disease model. <i>FEBS Journal</i> , <b>2019</b> , 286, 507-522	5.7	34
35	BNT162b2 vaccination effectively prevents the rapid rise of SARS-CoV-2 variant B.1.1.7 in high-risk populations in Israel. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100264	18	28
34	Mechanisms of RIPK3-induced inflammation. <i>Immunology and Cell Biology</i> , <b>2017</b> , 95, 166-172	5	26
33	Fas regulates neutrophil lifespan during viral and bacterial infection. <i>Journal of Leukocyte Biology</i> , <b>2015</b> , 97, 321-6	6.5	24
32	Fight or flight: regulation of emergency hematopoiesis by pyroptosis and necroptosis. <i>Current Opinion in Hematology</i> , <b>2015</b> , 22, 293-301	3.3	24
31	Cutting Edge: Blockade of Inhibitor of Apoptosis Proteins Sensitizes Neutrophils to TNF- but Not Lipopolysaccharide-Mediated Cell Death and IL-1 $\beta$ Secretion. <i>Journal of Immunology</i> , <b>2018</b> , 200, 3341-3346	5.3	22
30	<i>Mycoplasma fermentans</i> inhibits tumor necrosis factor alpha-induced apoptosis in the human myelomonocytic U937 cell line. <i>Cell Death and Differentiation</i> , <b>2004</b> , 11, 1204-12	12.7	18
29	A comparative genomics methodology reveals a widespread family of membrane-disrupting T6SS effectors. <i>Nature Communications</i> , <b>2020</b> , 11, 1085	17.4	17
28	Structural determinants of caspase-9 inhibition by the vaccinia virus protein, F1L. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 30748-30758	5.4	17
27	Ptpn6 inhibits caspase-8- and Ripk3/Mlkl-dependent inflammation. <i>Nature Immunology</i> , <b>2020</b> , 21, 54-64	19.1	16
26	The inhibitory effect of <i>Mycoplasma fermentans</i> on tumour necrosis factor (TNF)-alpha-induced apoptosis resides in the membrane lipoproteins. <i>Cellular Microbiology</i> , <b>2007</b> , 9, 142-53	3.9	13
25	The NLR-related protein NWD1 is associated with prostate cancer and modulates androgen receptor signaling. <i>Oncotarget</i> , <b>2014</b> , 5, 1666-82	3.3	13
24	Rapid seroconversion and persistent functional IgG antibodies in severe COVID-19 patients correlates with an IL-12p70 and IL-33 signature. <i>Scientific Reports</i> , <b>2021</b> , 11, 3461	4.9	12

23	Distinguishing Necroptosis from Apoptosis. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1857, 35-51	1.4	9
22	A TR3/Nur77 peptide-based high-throughput fluorescence polarization screen for small molecule Bcl-B inhibitors. <i>Journal of Biomolecular Screening</i> , <b>2008</b> , 13, 665-73		9
21	A genetic system for biasing the sex ratio in mice. <i>EMBO Reports</i> , <b>2019</b> , 20, e48269	6.5	9
20	The rise of SARS-CoV-2 variant B.1.1.7 in Israel intensifies the role of surveillance and vaccination in elderly		9
19	pore-forming leukocidin activates pyroptotic cell death via the NLRP3 inflammasome. <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 278-290	18.9	6
18	Exploding the necroptotic bubble. <i>Cell Stress</i> , <b>2017</b> , 1, 107-109	5.5	6
17	NLRP1a expression in Srebp-1a-deficient mice. <i>Cell Metabolism</i> , <b>2014</b> , 19, 345-6	24.6	5
16	Promoting Simultaneous Onset of Viral Gene Expression Among Cells Infected with Herpes Simplex Virus-1. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2152	5.7	4
15	Necroptotic extracellular vesicles - present and future. <i>Seminars in Cell and Developmental Biology</i> , <b>2021</b> , 109, 106-113	7.5	4
14	Defining a therapeutic window for kinase inhibitors in leukemia to avoid neutropenia. <i>Oncotarget</i> , <b>2017</b> , 8, 57948-57963	3.3	3
13	The lncRNA H19-Derived MicroRNA-675 Promotes Liver Necroptosis by Targeting FADD. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
12	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity. <i>Cancer Research</i> , <b>2021</b> , 81, 5555-5571	10.1	3
11	Proteomic analysis of necroptotic extracellular vesicles		2
10	NLRP1 variant M1184V decreases inflammasome activation in the context of DPP9 inhibition and asthma severity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 147, 2134-2145.e20	11.5	2
9	Necroptosis <b>2018</b> , 99-128		2
8	Malaria parasites both repress host CXCL10 and use it as a cue for growth acceleration. <i>Nature Communications</i> , <b>2021</b> , 12, 4851	17.4	2
7	Proteomic analysis of necroptotic extracellular vesicles. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 1059	9.8	1
6	Myelopoiesis embraces its inner weakness. <i>Nature Immunology</i> , <b>2017</b> , 18, 953-954	19.1	0

- 5 A healthy appetite for Toxoplasma at the cellular level. *Immunology and Cell Biology*, **2014**, 92, 813-4 5
- 4 Fas Controls Neutrophil Lifespan during Bacterial and Viral Infection. *Blood*, **2014**, 124, 1579-1579 2.2
- 3 Activation of the NLRP1 Inflammasome Induces the Pyroptotic Death of Hematopoietic Progenitor Cells. *Blood*, **2012**, 120, 1213-1213 2.2
- 2 Necroptotic Death Of RIPK1-Deficient HSC Compromises Hematopoiesis. *Blood*, **2013**, 122, 218-218 2.2
- 1 Walking down the memory lane with SARS-CoV-2 B cells. *Immunology and Cell Biology*, **2021**, 99, 796-799 5