

# Azzam A Maghazachi

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

3,405  
citations

159585

30  
h-index

155660

55  
g-index

91  
all docs

91  
docs citations

91  
times ranked

4708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression and regulation of chemokine receptors in human natural killer cells. <i>Blood</i> , 2001, 97, 367-375.	1.4	263
2	Role of Chemokines in the Biology of Natural Killer Cells. <i>Current Topics in Microbiology and Immunology</i> , 2010, 341, 37-58.	1.1	179
3	CC chemokines induce the generation of killer cells from CD56+ cells. <i>European Journal of Immunology</i> , 1996, 26, 315-319.	2.9	162
4	Elevated expression of endothelin-1 and endothelin-converting enzyme-1 in idiopathic pulmonary fibrosis: possible involvement of proinflammatory cytokines.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 16, 187-193.	2.9	159
5	Chemokines and chemokine receptors during COVID-19 infection. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 976-988.	4.1	148
6	Suppressive Effect of 1 $\alpha$ ,25-Dihydroxyvitamin D3 on Type I IFN-Mediated Monocyte Differentiation into Dendritic Cells: Impairment of Functional Activities and Chemotaxis. <i>Journal of Immunology</i> , 2005, 174, 270-276.	0.8	140
7	Human NK Cells Express CC Chemokine Receptors 4 and 8 and Respond to Thymus and Activation-Regulated Chemokine, Macrophage-Derived Chemokine, and I-309. <i>Journal of Immunology</i> , 2000, 164, 4048-4054.	0.8	134
8	Multiple sclerosis and the role of immune cells. <i>World Journal of Experimental Medicine</i> , 2014, 4, 27.	1.7	120
9	Functional Expression of H4 Histamine Receptor in Human Natural Killer Cells, Monocytes, and Dendritic Cells. <i>Journal of Immunology</i> , 2007, 179, 7907-7915.	0.8	102
10	Interferon $\gamma$ -inducible protein $\alpha$ 10 and lymphotactin induce the chemotaxis and mobilization of intracellular calcium in natural killer cells through pertussis toxin $\alpha$ -sensitive and $\beta$ -insensitive heterotrimeric G $\alpha$ proteins. <i>FASEB Journal</i> , 1997, 11, 765-774.	0.5	100
11	Sphingosine 1-phosphate is a novel inhibitor of T-cell proliferation. <i>Blood</i> , 2003, 101, 4909-4915.	1.4	85
12	MIP $\alpha$ 1 $\beta$ , MIP $\alpha$ 3 $\beta$ and fractalkine induce the locomotion and the mobilization of intracellular calcium, and activate the heterotrimeric G proteins in human natural killer cells. <i>Immunology</i> , 1998, 95, 618-624.	4.4	74
13	G protein-coupled receptors in natural killer cells. <i>Journal of Leukocyte Biology</i> , 2003, 74, 16-24.	3.3	73
14	<p></p>Role of Chemokines and Chemokine Receptors in Rheumatoid Arthritis</p>.</p> <p></p>ImmunoTargets and Therapy, 2020, Volume 9, 43-56.	5.8	72
15	Lck is required for stromal cell $\alpha$ -derived factor 1 $\beta$ (CXCL12) $\alpha$ -induced lymphoid cell chemotaxis. <i>Blood</i> , 2002, 99, 4318-4325.	1.4	67
16	Sphingosine 1 phosphate induces the chemotaxis of human natural killer cells. Role for heterotrimeric G proteins and phosphoinositide 3 kinases. <i>European Journal of Immunology</i> , 2002, 32, 1856.	2.9	64
17	Interferon-Induced Transmembrane Protein (IFITM3) Is Upregulated Explicitly in SARS-CoV-2 Infected Lung Epithelial Cells. <i>Frontiers in Immunology</i> , 2020, 11, 1372.	4.8	64
18	Utilization of Dimethyl Fumarate and Related Molecules for Treatment of Multiple Sclerosis, Cancer, and Other Diseases. <i>Frontiers in Immunology</i> , 2016, 7, 278.	4.8	63

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19	IL-6 and IL-8 release is mediated via multiple signaling pathways after stimulating dendritic cells with lysophospholipids. <i>Journal of Leukocyte Biology</i> , 2006, 80, 287-297.	3.3	62
20	Intracellular signaling events at the leading edge of migrating cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 931-943.	2.8	54
21	Modulation of natural killer cell cytotoxicity and cytokine release by the drug glatiramer acetate. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1446-1456.	5.4	49
22	Effects of Vitamin D3, Calcipotriol and FTY720 on the Expression of Surface Molecules and Cytolytic Activities of Human Natural Killer Cells and Dendritic Cells. <i>Toxins</i> , 2013, 5, 1932-1947.	3.4	46
23	Role of the Heterotrimeric G Proteins in Stromal-Derived Factor-1 $\alpha$ -Induced Natural Killer Cell Chemotaxis and Calcium Mobilization. <i>Biochemical and Biophysical Research Communications</i> , 1997, 236, 270-274.	2.1	45
24	Lysophosphatidic acid induces human natural killer cell chemotaxis and intracellular calcium mobilization. <i>European Journal of Immunology</i> , 2003, 33, 2083-2089.	2.9	44
25	Identification of Human NK17/NK1 Cells. <i>PLoS ONE</i> , 2011, 6, e26780.	2.5	44
26	Pyroptosis: The missing puzzle among innate and adaptive immunity crosstalk. <i>Journal of Leukocyte Biology</i> , 2020, 108, 323-338.	3.3	44
27	Insights into Seven and Single Transmembrane-Spanning Domain Receptors and Their Signaling Pathways in Human Natural Killer Cells. <i>Pharmacological Reviews</i> , 2005, 57, 339-357.	16.0	40
28	Compartmentalization of human natural killer cells. <i>Molecular Immunology</i> , 2005, 42, 523-529.	2.2	37
29	Implications of chemokines, chemokine receptors, and inflammatory lipids in atherosclerosis. <i>Journal of Leukocyte Biology</i> , 2014, 95, 575-585.	3.3	35
30	&lt;p&gt;Targeting Chemokines and Chemokine Receptors in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis&lt;/p&gt;. <i>Journal of Inflammation Research</i> , 2020, Volume 13, 619-633.	3.5	35
31	FTY720 and SEW2871 reverse the inhibitory effect of S1P on natural killer cell mediated lysis of K562 tumor cells and dendritic cells but not on cytokine release. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 575-586.	4.2	34
32	Effects of exercise on leukocytosis and blood hemostasis in 800 healthy young females and males. <i>World Journal of Experimental Medicine</i> , 2013, 3, 11.	1.7	33
33	Oxidized Lipids and Lysophosphatidylcholine Induce the Chemotaxis, Up-Regulate the Expression of CCR9 and CXCR4 and Abrogate the Release of IL-6 in Human Monocytes. <i>Toxins</i> , 2014, 6, 2840-2856.	3.4	33
34	Innate Lymphoid Cells (ILCs) as Mediators of Inflammation, Release of Cytokines and Lytic Molecules. <i>Toxins</i> , 2017, 9, 398.	3.4	32
35	Effects of Lysophospholipids on Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2011, 4, 393-403.	3.1	31
36	Monomethyl fumarate augments NK cell lysis of tumor cells through degranulation and the upregulation of NKp46 and CD107a. <i>Cellular and Molecular Immunology</i> , 2016, 13, 57-64.	10.5	31

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37	Human resting CD16-, CD16+ and IL-2-, IL-12-, IL-15- or IFN- $\gamma$ -activated natural killer cells differentially respond to sphingosylphosphorylcholine, lysophosphatidylcholine and platelet-activating factor. <i>European Journal of Immunology</i> , 2005, 35, 2699-2708.	2.9	30
38	Intracellular Signalling Pathways Induced by Chemokines in Natural Killer Cells. <i>Cellular Signalling</i> , 1999, 11, 385-390.	3.6	26
39	&lt;p&gt;Gasdermin D Hypermethylation Inhibits Pyroptosis And LPS-Induced IL-1 $\beta$ Release From NK92 Cells&lt;/p&gt;. <i>ImmunoTargets and Therapy</i> , 2019, Volume 8, 29-41.	5.8	26
40	Lysophosphatidic acid inhibits the cytotoxic activity of NK cells: involvement of Gs protein-mediated signaling. <i>International Immunology</i> , 2009, 21, 667-677.	4.0	25
41	A One Year Follow-Up Study of Natural Killer and Dendritic Cells Activities in Multiple Sclerosis Patients Receiving Glatiramer Acetate (GA). <i>PLoS ONE</i> , 2013, 8, e62237.	2.5	25
42	Splenic natural killer cell activity in two models of experimental neurodegenerative diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2693-2703.	3.6	24
43	Lysophospholipids and chemokines activate distinct signal transduction pathways in T helper 1 and T helper 2 cells. <i>Cellular Signalling</i> , 2004, 16, 991-1000.	3.6	24
44	Understanding the Role of Innate Immune Cells and Identifying Genes in Breast Cancer Microenvironment. <i>Cancers</i> , 2020, 12, 2226.	3.7	21
45	Tumor Necrosis Factor- $\gamma$ Is Chemokinetic for Lymphokine-Activated Killer Cells: Regulation by Cyclic Adenosine Monophosphate. <i>Journal of Leukocyte Biology</i> , 1991, 49, 302-308.	3.3	20
46	Differential Utilization of Cyclic ADP-Ribose Pathway by Chemokines to Induce the Mobilization of Intracellular Calcium in NK Cells. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 467-472.	2.1	20
47	&lt;p&gt;Drugs for Multiple Sclerosis Activate Natural Killer Cells: Do They Protect Against COVID-19 Infection?&lt;/p&gt;. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 3243-3254.	2.7	20
48	Histamine modulates $\beta$ -lymphocyte migration and cytotoxicity, via G <sub>i</sub> and G <sub>s</sub> protein-coupled signalling pathways. <i>British Journal of Pharmacology</i> , 2010, 161, 1291-1300.	5.4	19
49	Oxidized lipids and lysophosphatidylcholine induce the chemotaxis and intracellular calcium influx in natural killer cells. <i>Immunobiology</i> , 2013, 218, 875-883.	1.9	18
50	Fate of intravenously administered rat lymphokine-activated killer cells labeled with different markers. <i>Cancer Immunology, Immunotherapy</i> , 1990, 31, 139-145.	4.2	17
51	Glatiramer Acetate, Dimethyl Fumarate, and Monomethyl Fumarate Upregulate the Expression of CCR10 on the Surface of Natural Killer Cells and Enhance Their Chemotaxis and Cytotoxicity. <i>Frontiers in Immunology</i> , 2016, 7, 437.	4.8	17
52	d-Galactosyl- $\beta$ 1- $\beta$ -sphingosine and d-glucosyl- $\beta$ 1- $\beta$ -sphingosine induce human natural killer cell apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 810-815.	2.1	16
53	Vitamin D3 and Monomethyl Fumarate Enhance Natural Killer Cell Lysis of Dendritic Cells and Ameliorate the Clinical Score in Mice Suffering from Experimental Autoimmune Encephalomyelitis. <i>Toxins</i> , 2015, 7, 4730-4744.	3.4	16
54	Functional Coupling of NKR-P1 Receptors to Various Heterotrimeric G Proteins in Rat Interleukin-2-activated Natural Killer Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 31604-31608.	3.4	15

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55	The Beneficial and Debilitating Effects of Environmental and Microbial Toxins, Drugs, Organic Solvents and Heavy Metals on the Onset and Progression of Multiple Sclerosis. <i>Toxins</i> , 2019, 11, 147.	3.4	15
56	Differentially Expressed Genes of Natural Killer Cells Can Distinguish Rheumatoid Arthritis Patients from Healthy Controls. <i>Genes</i> , 2020, 11, 492.	2.4	15
57	Role of Peripheral Immune Cells in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. <i>Sci</i> , 2021, 3, 12.	3.0	14
58	On The Role of Natural Killer Cells in Neurodegenerative Diseases. <i>Toxins</i> , 2013, 5, 363-375.	3.4	13
59	HCT-116 colorectal cancer cells secrete chemokines which induce chemoattraction and intracellular calcium mobilization in NK92 cells. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 883-895.	4.2	13
60	Autophagy: A Versatile Player in the Progression of Colorectal Cancer and Drug Resistance. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	12
61	Cloning, functional activities and in vivo tissue distribution of rat NKR-P1+ TCR alpha beta + cells. <i>International Immunology</i> , 1997, 9, 1043-1051.	4.0	11
62	Expression and functional activity of chemokine receptors in glatiramer acetate-specific T cells isolated from multiple sclerosis patient receiving the drug glatiramer acetate. <i>Human Immunology</i> , 2011, 72, 124-134.	2.4	11
63	Immune Profiling of COVID-19 in Correlation with SARS and MERS. <i>Viruses</i> , 2022, 14, 164.	3.3	11
64	Guanine nucleotide binding proteins mediate the chemotactic signal of transforming growth factor- $\beta$ 1 in rat IL-2 activated natural killer cells. <i>International Immunology</i> , 1993, 5, 825-832.	4.0	10
65	Interleukin-17 (IL-17) Expression Is Reduced during Acute Myocardial Infarction: Role on Chemokine Receptor Expression in Monocytes and Their in Vitro Chemotaxis towards Chemokines. <i>Toxins</i> , 2012, 4, 1427-1439.	3.4	10
66	&lt;p&gt;Rituximab Prevents the Development of Experimental Autoimmune Encephalomyelitis (EAE): Comparison with Prophylactic, Therapeutic or Combinational Regimens&lt;p&gt;. <i>Journal of Inflammation Research</i> , 2020, Volume 13, 151-164.	3.5	9
67	COVID-19 infection and rheumatoid arthritis: mutual outburst cytokines and remedies. <i>Current Medical Research and Opinion</i> , 2021, 37, 929-938.	1.9	9
68	Protein arginine N-methyltransferase 5 in colorectal carcinoma: Insights into mechanisms of pathogenesis and therapeutic strategies. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112368.	5.6	9
69	Sphingosine-1-phosphate inhibits the cytotoxic activity of NK cells via Gs protein-mediated signalling. <i>International Journal of Oncology</i> , 2009, 34, 287-94.	3.3	9
70	Genetic Mutations and Non-Coding RNA-Based Epigenetic Alterations Mediating the Warburg Effect in Colorectal Carcinogenesis. <i>Biology</i> , 2021, 10, 847.	2.8	8
71	Innate Lymphoid Cells and Natural Killer Cells in Bacterial Infections: Function, Dysregulation, and Therapeutic Targets. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 733564.	3.9	7
72	Identifying Immunological and Clinical Predictors of COVID-19 Severity and Sequelae by Mathematical Modeling. <i>Frontiers in Immunology</i> , 2022, 13, 865845.	4.8	7

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73	IL-8 Induces Calcium Mobilization in Interleukin-2-activated Natural Killer Cells Independently of Inositol 1,4,5 Trisphosphate. <i>Annals of the New York Academy of Sciences</i> , 1995, 766, 292-295.	3.8	6
74	T560: an (H-2b $\times$ H-2a) F1 hybrid, phosphorylcholine (PC)-binding, murine B cell lymphoma that bears receptors for IgA and IgG, Presents antigen and secretes IL-4. <i>International Immunology</i> , 1992, 4, 107-118.	4.0	5
75	Implications of chemokine receptors and inflammatory lipids in cancer. <i>ImmunoTargets and Therapy</i> , 2013, 3, 9.	5.8	5
76	Correlation of Insulin-like Growth Factor 1 Receptor Expression With Different Molecular Subtypes of Breast Cancer in the UAE. <i>Anticancer Research</i> , 2020, 40, 1555-1561.	1.1	5
77	Expression of GPR68, an Acid-Sensing Orphan G Protein-Coupled Receptor, in Breast Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 847543.	2.8	5
78	MLH1 mediates cytoprotective nucleophagy to resist 5-Fluorouracil-induced cell death in colorectal carcinoma. <i>Neoplasia</i> , 2022, 24, 76-85.	5.3	3
79	Confusion about the tissue distribution of lymphokine-activated killer (LAK) cells. <i>Cancer Immunology, Immunotherapy</i> , 1992, 35, 426-427.	4.2	1
80	Oxazolone-Induced Delayed Type Hypersensitivity Reaction in the Adult Yucatan Pigs. A Useful Model for Drug Development and Validation. <i>Toxins</i> , 2009, 1, 25-36.	3.4	1
81	Editorial: Immunomodulatory Effects of Drugs for Treatment of Immune-Related Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 969.	4.8	1
82	Chemokines and Chemokine Receptors. , 2021, , .		1
83	Molecular Examination of Differentially Expressed Genes in the Brains of Experimental Autoimmune Encephalomyelitis Mice Post Herceptin Treatment. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2601-2617.	3.5	1
84	Heptahelical Receptors for Lysolipids in Lymphocytes as Targets for Therapeutic Intervention. <i>Drug Design Reviews Online</i> , 2004, 1, 195-202.	0.7	1
85	Role of the Heterotrimeric G Proteins in Stromal-Derived, Factor-1 $\beta$ -Induced Natural Killer Cell Chemotaxis and Calcium Mobilization. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 759.	2.1	0
86	Glatiramer acetate (Copaxone) inhibits natural killer cells lysis of tumor cells but enhances their killing of autologous and allogeneic immature and mature dendritic cells.. <i>FASEB Journal</i> , 2008, 22, 465-465.	0.5	0
87	Oxidized lipids and lysophosphatidylcholine (LPC) induce the chemotaxis and intracellular calcium influx in human natural killer (NK) cells. <i>FASEB Journal</i> , 2012, 26, lb219.	0.5	0
88	American and British Administration Legacy in Iraq: Civilian Deaths and Development of Diseases. <i>MOJ Immunology</i> , 2014, 1, .	11.0	0
89	HCT116 Colorectal Cancer Cells Secrete Chemokines Which Induce The Chemotaxis and Intracellular Calcium Mobilization of NK92 Cells. Influence of Dimethyl Fumarate and Monomethyl Fumarate. <i>FASEB Journal</i> , 2018, 32, 667.2.	0.5	0
90	Expression Status of Proton Sensing Receptor GPR68 in Various Breast Cancer Molecular Subtypes. <i>FASEB Journal</i> , 2022, 36, .	0.5	0