Ali A Ashkar

List of Publications by Year
in descending order

117 papers	7,015 citations	76031 42 h-index	73587 79 g-index
120 all docs	120 docs citations	120 times ranked	9861 citing authors

#	Article	IF	Citations
1	Pathogen-Repellent Plastic Wrap with Built-In Hierarchical Structuring Prevents the Contamination of Surfaces with Coronaviruses. ACS Applied Materials & Interfaces, 2022, 14, 11068-11077.	4.0	5
2	Vaginal transmission causes prolonged Zika virus shedding in the vaginal mucosa and delays systemic dissemination. Immunology and Cell Biology, 2022, , .	1.0	1
3	Benralizumab's anti-eosinophil efficacy may be decreased by impaired NK cell activity. European Respiratory Journal, 2022, 59, 2102210.	3.1	3
4	Type I interferon regulates proteolysis by macrophages to prevent immunopathology following viral infection. PLoS Pathogens, 2022, 18, e1010471.	2.1	5
5	Asthma exacerbations on benralizumab are largely nonâ€eosinophilic. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 375-379.	2.7	36
6	Depot medroxyprogesterone acetate (DMPA) enhances susceptibility and increases the window of vulnerability to HIV-1 in humanized mice. Scientific Reports, 2021, 11, 3894.	1.6	8
7	Aging and Interferons: Impacts on Inflammation and Viral Disease Outcomes. Cells, 2021, 10, 708.	1.8	32
8	Metabolic flexibility determines human NK cell functional fate in the tumor microenvironment. Cell Metabolism, 2021, 33, 1205-1220.e5.	7.2	104
9	Remote hyperinflammation drives neurological disease via T-cell-mediated innate-like cytotoxicity. Cellular and Molecular Immunology, 2021, 18, 1638-1640.	4.8	1
10	Expanded human NK cells armed with CAR uncouple potent anti-tumor activity from off-tumor toxicity against solid tumors. IScience, 2021, 24, 102619.	1.9	33
11	Immune checkpoint blockade in triple negative breast cancer influenced by B cells through myeloid-derived suppressor cells. Communications Biology, 2021, 4, 859.	2.0	13
12	Immunoregulatory Functions of Interferons During Genital HSV-2 Infection. Frontiers in Immunology, 2021, 12, 724618.	2.2	3
13	AHR signaling is induced by infection with coronaviruses. Nature Communications, 2021, 12, 5148.	5.8	38
14	Expanded human NK cells from lung cancer patients sensitize patientsâ€™ PDL1â^’negative tumors to PD1-blockade therapy. , 2021, 9, e001933.		22
15	From Mosquito Bites to Sexual Transmission: Evaluating Mouse Models of Zika Virus Infection. Viruses, 2021, 13, 2244.	1.5	4
16	Production of human CAR-NK cells with lentiviral vectors and functional assessment in vitro. STAR Protocols, 2021, 2, 100956.	0.5	4
17	IFN-Î² signalling regulates RAW 264.7 macrophage activation, cytokine production, and killing activity. Innate Immunity, 2020, 26, 172-182.	1.1	14
18	Postbiotics for NOD2 require nonhematopoietic RIPK2 to improve blood glucose and metabolic inflammation in mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E579-E585.	1.8	34

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19	IL-15 and IFN-Î³ signal through the ERK pathway to inhibit HCV replication, independent of type I IFN signaling. Cytokine, 2019, 124, 154439.	1.4	7
20	What Defines NK Cell Functional Fate: Phenotype or Metabolism?. Frontiers in Immunology, 2019, 10, 1414.	2.2	83
21	Type I Interferon Receptor on NK Cells Negatively Regulates Interferon-Î³ Production. Frontiers in Immunology, 2019, 10, 1261.	2.2	19
22	Thermal Stabilization of Viral Vaccines in Low-Cost Sugar Films. Scientific Reports, 2019, 9, 7631.	1.6	23
23	Statins Promote Interleukin-1Î²â€“Dependent Adipocyte Insulin Resistance Through Lower Prenylation, Not Cholesterol. Diabetes, 2019, 68, 1441-1448.	0.3	38
24	TLR2 Plays a Pivotal Role in Mediating Mucosal Serotonin Production in the Gut. Journal of Immunology, 2019, 202, 3041-3052.	0.4	28
25	Medroxyprogesterone acetate alters the vaginal microbiota and microenvironment in a Kenyan sex worker cohort and is also associated with increased susceptibility to HIV-1 in humanized mice. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	28
26	Interferon-Î² induced in female genital epithelium by HIV-1 glycoprotein 120 via Toll-like-receptor 2 pathway acts to protect the mucosal barrier. Cellular and Molecular Immunology, 2019, 16, 178-194.	4.8	13
27	Transforming the prostatic tumor microenvironment with oncolytic virotherapy. OncoImmunology, 2018, 7, e1445459.	2.1	26
28	Ex vivo-expanded NK cells from blood and ascites of ovarian cancer patients are cytotoxic against autologous primary ovarian cancer cells. Cancer Immunology, Immunotherapy, 2018, 67, 575-587.	2.0	36
29	Ex Vivo-expanded Natural Killer Cells Derived From Long-term Cryopreserved Cord Blood are Cytotoxic Against Primary Breast Cancer Cells. Journal of Immunotherapy, 2018, 41, 64-72.	1.2	29
30	The Dual Nature of Type I and Type II Interferons. Frontiers in Immunology, 2018, 9, 2061.	2.2	469
31	Shining light on the significance of NK cell CD56 brightness. Cellular and Molecular Immunology, 2018, 15, 1071-1073.	4.8	27
32	Immunometabolism of T cells and NK cells: metabolic control of effector and regulatory function. Inflammation Research, 2018, 67, 813-828.	1.6	47
33	Expanded CD56superbrightCD16+ NK Cells from Ovarian Cancer Patients Are Cytotoxic against Autologous Tumor in a Patient-Derived Xenograft Murine Model. Cancer Immunology Research, 2018, 6, 1174-1185.	1.6	38
34	Inflammatory monocytes require type I interferon receptor signaling to activate NK cells via IL-18 during a mucosal viral infection. Journal of Experimental Medicine, 2017, 214, 1153-1167.	4.2	80
35	Enhancement of Antituberculosis Immunity in a Humanized Model System by a Novel Virus-Vectored Respiratory Mucosal Vaccine. Journal of Infectious Diseases, 2017, 216, 135-145.	1.9	15
36	Type I interferon signalling is not required for the induction of endotoxin tolerance. Cytokine, 2017, 95, 7-11.	1.4	8

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37	NK cells require antigen-specific memory CD4 + T cells to mediate superior effector functions during HSV-2 recall responses in vitro. Journal of Leukocyte Biology, 2017, 101, 1045-1052.	1.5	5
38	Combined Stimulation with Interleukin-18 and Interleukin-12 Potently Induces Interleukin-8 Production by Natural Killer Cells. Journal of Innate Immunity, 2017, 9, 511-525.	1.8	27
39	Ex Vivo Expanded Human NK Cells Survive and Proliferate in Humanized Mice with Autologous Human Immune Cells. Scientific Reports, 2017, 7, 12083.	1.6	22
40	The Application of Humanized Mouse Models for the Study of Human Exclusive Viruses. Methods in Molecular Biology, 2017, 1656, 1-56.	0.4	0
41	Frequency of Human CD45+ Target Cells is a Key Determinant of Intravaginal HIV-1 Infection in Humanized Mice. Scientific Reports, 2017, 7, 15263.	1.6	13
42	IL-18/IL-15/IL-12 synergy induces elevated and prolonged IFN-Î³ production by ex vivo expanded NK cells which is not due to enhanced STAT4 activation. Molecular Immunology, 2017, 88, 138-147.	1.0	84
43	M2-polarized and tumor-associated macrophages alter NK cell phenotype and function in a contact-dependent manner. Journal of Leukocyte Biology, 2017, 101, 285-295.	1.5	72
44	Ex vivo expanded natural killer cells from breast cancer patients and healthy donors are highly cytotoxic against breast cancer cell lines and patient-derived tumours. Breast Cancer Research, 2017, 19, 76.	2.2	59
45	High Intensity Interval Training Increases Natural Killer Cell Number and Function in Obese Breast Cancer-challenged Mice and Obese Women. Journal of Cancer Prevention, 2017, 22, 260-266.	0.8	29
46	Reconstitution of immune cell in liver and lymph node of adult- and newborn-engrafted humanized mice. BMC Immunology, 2016, 17, 18.	0.9	9
47	S6K-STING interaction regulates cytosolic DNAâ€“mediated activation of the transcription factor IRF3. Nature Immunology, 2016, 17, 514-522.	7.0	67
48	A probiotic provides protection against acute salmonellosis in mice: Possible role of innate lymphid NKP46+ cells. Journal of Functional Foods, 2016, 23, 329-338.	1.6	4
49	Epitope specificity plays a critical role in regulating antibody-dependent cell-mediated cytotoxicity against influenza A virus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11931-11936.	3.3	153
50	Immunization with chlamydial type III secretion antigens reduces vaginal shedding and prevents fallopian tube pathology following live C. muridarum challenge. Vaccine, 2016, 34, 3979-3985.	1.7	18
51	The breast tumor microenvironment alters the phenotype and function of natural killer cells. Cellular and Molecular Immunology, 2016, 13, 628-639.	4.8	70
52	Defective <scp>NOD</scp>2 peptidoglycan sensing promotes dietâ€induced inflammation, dysbiosis, and insulin resistance. EMBO Molecular Medicine, 2015, 7, 259-274.	3.3	160
53	Enhanced efficacy with azacytidine and oncolytic BHV-1 in a tolerized cotton rat model of breast adenocarcinoma. Molecular Therapy - Oncolytics, 2015, 2, 15004.	2.0	9
54	Overexpression of IL-15 promotes tumor destruction via NK1.1+ cells in a spontaneous breast cancer model. BMC Cancer, 2015, 15, 293.	1.1	16

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55	Type I IFN signaling on dendritic cells is required for NK cell-mediated anti-tumor immunity. Innate Immunity, 2015, 21, 626-634.	1.1	12
56	Restoration of innate immune activation accelerates <scp>T</scp>h1â€cell priming and protection following pulmonary mycobacterial infection. European Journal of Immunology, 2014, 44, 1375-1386.	1.6	20
57	Novel Roles of Cytoplasmic ICP0: Proteasome-Independent Functions of the RING Finger Are Required To Block Interferon-Stimulated Gene Production but Not To Promote Viral Replication. Journal of Virology, 2014, 88, 8091-8101.	1.5	20
58	The Absence or Overexpression of IL-15 Drastically Alters Breast Cancer Metastasis via Effects on NK Cells, CD4 T Cells, and Macrophages. Journal of Immunology, 2014, 193, 6184-6191.	0.4	45
59	Interleukin-15 Modulates Adipose Tissue by Altering Mitochondrial Mass and Activity. PLoS ONE, 2014, 9, e114799.	1.1	31
60	Type I interferon regulation of natural killer cell function in primary and secondary infections. Expert Review of Vaccines, 2013, 12, 875-884.	2.0	22
61	Length of dsRNA (poly I:C) drives distinct innate immune responses, depending on the cell type. Journal of Leukocyte Biology, 2013, 94, 1025-1036.	1.5	63
62	Interleukin-15 is required for maximal lipopolysaccharide-induced abortion. Journal of Leukocyte Biology, 2013, 93, 905-912.	1.5	27
63	Critical Role of Natural Killer Cells in Lung Immunopathology During Influenza Infection in Mice. Journal of Infectious Diseases, 2012, 206, 167-177.	1.9	118
64	Herpes simplex virus-2 in the genital mucosa. Current Opinion in Infectious Diseases, 2012, 25, 92-99.	1.3	29
65	Regulation of pregnancy maintenance and fetal survival in mice by CD27low mature NK cells. Journal of Molecular Medicine, 2012, 90, 1047-1057.	1.7	16
66	IL-15 Can Signal via IL-15RÎ±, JNK, and NF-ÎºB To Drive RANTES Production by Myeloid Cells. Journal of Immunology, 2012, 188, 4149-4157.	0.4	40
67	Genital HSV-2 Infection Induces Short-Term NK Cell Memory. PLoS ONE, 2012, 7, e32821.	1.1	51
68	Interleukin-15 Treatment Induces Weight Loss Independent of Lymphocytes. PLoS ONE, 2012, 7, e39553.	1.1	26
69	Stimulating natural killer cells to protect against cancer: recent developments. Expert Review of Clinical Immunology, 2011, 7, 367-382.	1.3	23
70	Characterization and IL-15 dependence of NK cells in humanized mice. Immunobiology, 2011, 216, 218-224.	0.8	41
71	A critical role for ILâ€15 in TLRâ€mediated innate antiviral immunity against genital HSVâ€2 infection. Immunology and Cell Biology, 2011, 89, 663-669.	1.0	13
72	Humanized mice are susceptible to Salmonella typhi infection. Cellular and Molecular Immunology, 2011, 8, 83-87.	4.8	55

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73	Induction of Innate Immune Responses in the Female Genital Tract: Friend or Foe of HIVâ€‹ Infection?. American Journal of Reproductive Immunology, 2011, 65, 344-351.	1.2	8
74	Innate and adaptive immunity against herpes simplex virus type 2 in the genital mucosa. Journal of Reproductive Immunology, 2011, 88, 210-218.	0.8	54
75	FimH, a TLR4 ligand, induces innate antiviral responses in the lung leading to protection against lethal influenza infection in mice. Antiviral Research, 2011, 92, 346-355.	1.9	45
76	CD4+ T-cells are important in regulating macrophage polarization in C57BL/6 wild-type mice. Cellular Immunology, 2011, 266, 180-186.	1.4	16
77	NK cells require type I IFN receptor for antiviral responses during genital HSV-2 infection. Cellular Immunology, 2011, 269, 29-37.	1.4	41
78	Endometrial Epithelial Cell Responses to Coinfecting Viral and Bacterial Pathogens in the Genital Tract Can Activate the HIV-1 LTR in an NFÎºB-and AP-1â€“Dependent Manner. Journal of Infectious Diseases, 2011, 204, 299-308.	1.9	41
79	Humanized mice forSalmonellatyphiinfection: new tools for an old problem. Virulence, 2011, 2, 248-252.	1.8	30
80	IL-15 and Type I Interferon Are Required for Activation of Tumoricidal NK Cells by Virus-Infected Dendritic Cells. Cancer Research, 2011, 71, 2497-2506.	0.4	49
81	Interleukinâ€15 Contributes to the Regulation of Murine Adipose Tissue and Human Adipocytes. Obesity, 2010, 18, 1601-1607.	1.5	95
82	Influenza Infection Leads to Increased Susceptibility to Subsequent Bacterial Superinfection by Impairing NK Cell Responses in the Lung. Journal of Immunology, 2010, 184, 2048-2056.	0.4	185
83	IL-15 has innate anti-tumor activity independent of NK and CD8 T cells. Journal of Leukocyte Biology, 2010, 88, 529-536.	1.5	23
84	FimH Can Directly Activate Human and Murine Natural Killer Cells via TLR4. Molecular Therapy, 2010, 18, 1379-1388.	3.7	65
85	Effective control of viral infections by the adaptive immune system requires assistance from innate immunity. Expert Review of Vaccines, 2010, 9, 1143-1147.	2.0	9
86	Development of Functional Human NK Cells in an Immunodeficient Mouse Model with the Ability to Provide Protection against Tumor Challenge. PLoS ONE, 2009, 4, e8379.	1.1	22
87	Mucosal Innate and Adaptive Immune Responses against Herpes Simplex Virus Type 2 in a Humanized Mouse Model. Journal of Virology, 2009, 83, 10664-10676.	1.5	56
88	Overexpression of Interleukin-15 Compromises CD4-Dependent Adaptive Immune Responses against Herpes Simplex Virus 2. Journal of Virology, 2009, 83, 918-926.	1.5	22
89	Interleukin-15 and NK1.1⁺Cells Provide Innate Protection against AcuteSalmonella entericaSerovar Typhimurium Infection in the Gut and in Systemic Tissues. Infection and Immunity, 2009, 77, 214-222.	1.0	37
90	Interferon Gamma in Successful Pregnancies1. Biology of Reproduction, 2009, 80, 848-859.	1.2	231

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91	Differential induction of innate anti-viral responses by TLR ligands against Herpes simplex virus, type 2, infection in primary genital epithelium of women. Antiviral Research, 2009, 81, 103-112.	1.9	50
92	Interleukin-15 expression affects homeostasis and function of B cells through NK cell-derived interferon-Î³. Cellular Immunology, 2009, 258, 59-64.	1.4	18
93	Cigarette smoke attenuation of poly I:C-induced innate antiviral responses in human PBMC is mainly due to inhibition of IFN-Î² production. Molecular Immunology, 2009, 46, 821-829.	1.0	26
94	Exposure to cigarette smoke suppresses IL-15 generation and its regulatory NK cell functions in poly I:C-augmented human PBMCs. Molecular Immunology, 2009, 46, 3108-3116.	1.0	31
95	REVIEW ARTICLE: The Role of Tollâ€Like Receptor Ligands/Agonists in Protection Against Genital HSVâ€2 Infection. American Journal of Reproductive Immunology, 2008, 59, 35-43.	1.2	35
96	Cutting Edge: FimH Adhesin of Type 1 Fimbriae Is a Novel TLR4 Ligand. Journal of Immunology, 2008, 181, 6702-6706.	0.4	113
97	NK Cells Play a Critical Protective Role in Host Defense against Acute ExtracellularStaphylococcus aureusBacterial Infection in the Lung. Journal of Immunology, 2008, 180, 5558-5568.	0.4	113
98	FimH Adhesin of Type 1 Fimbriae Is a Potent Inducer of Innate Antimicrobial Responses Which Requires TLR4 and Type 1 Interferon Signalling. PLoS Pathogens, 2008, 4, e1000233.	2.1	108
99	Impairment of human NK cell cytotoxic activity and cytokine release by cigarette smoke. Journal of Leukocyte Biology, 2008, 83, 774-784.	1.5	99
100	Susceptibility of Human Female Primary Genital Epithelial Cells to Herpes Simplex Virus, Type-2 and the Effect of TLR3 Ligand and Sex Hormones on Infection1. Biology of Reproduction, 2007, 77, 1049-1059.	1.2	56
101	The Role of IL-15 Signaling in the Induction of Innate Antiviral Responses. Current Signal Transduction Therapy, 2007, 2, 180-185.	0.3	1
102	Adaptive immune responses fail to provide protection against genital HSVâ€2 infection in the absence of ILâ€15. European Journal of Immunology, 2007, 37, 2529-2538.	1.6	16
103	Toll-like Receptors, Natural Killer Cells and Innate Immunity. , 2007, 598, 1-11.		12
104	The direct effects of Toll-like receptor ligands on human NK cell cytokine production and cytotoxicity. Cellular Immunology, 2006, 241, 102-112.	1.4	126
105	Induction of Innate Immunity against Herpes Simplex Virus Type 2 Infection via Local Delivery of Toll-Like Receptor Ligands Correlates with Beta Interferon Production. Journal of Virology, 2006, 80, 9943-9950.	1.5	90
106	NK and NKT Cell-Independent Contribution of Interleukin-15 to Innate Protection against Mucosal Viral Infection. Journal of Virology, 2005, 79, 4470-4478.	1.5	48
107	Herpesviruses and the Innate Immune Response. Viral Immunology, 2005, 18, 267-281.	0.6	94
108	Tollâ€Like Receptor (TLR)â€“3, but Not TLR4, Agonist Protects against Genital Herpes Infection in the Absence of Inflammation Seen with CpG DNA. Journal of Infectious Diseases, 2004, 190, 1841-1849.	1.9	131

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109	Update on pathways regulating the activation of uterine Natural Killer cells, their interactions with decidual spiral arteries and homing of their precursors to the uterus. Journal of Reproductive Immunology, 2003, 59, 175-191.	0.8	176
110	Parameters of CpG oligodeoxynucleotide-induced protection against intravaginal HSV-2 challenge. Journal of Medical Virology, 2003, 71, 561-568.	2.5	40
111	Interleukin-15 and Natural Killer and NKT Cells Play a Critical Role in Innate Protection against Genital Herpes Simplex Virus Type 2 Infection. Journal of Virology, 2003, 77, 10168-10171.	1.5	194
112	Assessment of Requirements for IL-15 and IFN Regulatory Factors in Uterine NK Cell Differentiation and Function During Pregnancy. Journal of Immunology, 2003, 171, 2937-2944.	0.4	218
113	Local Delivery of CpG Oligodeoxynucleotides Induces Rapid Changes in the Genital Mucosa and Inhibits Replication, but Not Entry, of Herpes Simplex Virus Type 2. Journal of Virology, 2003, 77, 8948-8956.	1.5	143
114	Prolonged Exposure to Progesterone Prevents Induction of Protective Mucosal Responses following Intravaginal Immunization with Attenuated Herpes Simplex Virus Type 2. Journal of Virology, 2003, 77, 9845-9851.	1.5	114
115	Toll-like Receptor 9, CpG DNA and Innate Immunity. Current Molecular Medicine, 2002, 2, 545-556.	0.6	141
116	Interferon Î³ Contributes to Initiation of Uterine Vascular Modification, Decidual Integrity, and Uterine Natural Killer Cell Maturation during Normal Murine Pregnancy. Journal of Experimental Medicine, 2000, 192, 259-270.	4.2	741
117	Interferon-Î³ Contributes to the Normalcy of Murine Pregnancy1. Biology of Reproduction, 1999, 61, 493-502.	1.2	209