

O M Zack Howard

List of Publications by Year in descending order

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114
papers

10,886
citations

30070

54
h-index

30087

103
g-index

116
all docs

116
docs citations

116
times ranked

12425
citing authors

#	ARTICLE	IF	CITATIONS
1	β -Defensins: Linking Innate and Adaptive Immunity Through Dendritic and T Cell CCR6. <i>Science</i> , 1999, 286, 525-528.	12.6	1,675
2	Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor Induce Expression of CXCR4 on Human Endothelial Cells. <i>American Journal of Pathology</i> , 1999, 154, 1125-1135.	3.8	518
3	Interaction of TNF with TNF Receptor Type 2 Promotes Expansion and Function of Mouse CD4+CD25+ T Regulatory Cells. <i>Journal of Immunology</i> , 2007, 179, 154-161.	0.8	464
4	Cellular pharmacology studies of shikonin derivatives. <i>Phytotherapy Research</i> , 2002, 16, 199-209.	5.8	362
5	Thioredoxin, a Redox Enzyme Released in Infection and Inflammation, Is a Unique Chemoattractant for Neutrophils, Monocytes, and T Cells. <i>Journal of Experimental Medicine</i> , 1999, 189, 1783-1789.	8.5	303
6	Cutting Edge: Expression of TNFR2 Defines a Maximally Suppressive Subset of Mouse CD4+CD25+FoxP3+ T Regulatory Cells: Applicability to Tumor-Infiltrating T Regulatory Cells. <i>Journal of Immunology</i> , 2008, 180, 6467-6471.	0.8	280
7	Heterologous desensitization of opioid receptors by chemokines inhibits chemotaxis and enhances the perception of pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10276-10281.	7.1	250
8	Histidyl-tRNA Synthetase and Asparaginyl-tRNA Synthetase, Autoantigens in Myositis, Activate Chemokine Receptors on T Lymphocytes and Immature Dendritic Cells. <i>Journal of Experimental Medicine</i> , 2002, 196, 781-791.	8.5	246
9	TNFR2 Is Critical for the Stabilization of the CD4+Foxp3+ Regulatory T Cell Phenotype in the Inflammatory Environment. <i>Journal of Immunology</i> , 2013, 190, 1076-1084.	0.8	244
10	Rapamycin inhibits differentiation of Th17 cells and promotes generation of FoxP3+ T regulatory cells. <i>International Immunopharmacology</i> , 2007, 7, 1819-1824.	3.8	230
11	Identification of Human Neutrophil-derived Cathepsin G and Azurocidin/CAP37 as Chemoattractants for Mononuclear Cells and Neutrophils. <i>Journal of Experimental Medicine</i> , 1997, 186, 739-747.	8.5	229
12	Glucocorticoid amplifies IL-2-dependent expansion of functional FoxP3+CD4+CD25+ T regulatory cells in vivo and enhances their capacity to suppress EAE. <i>European Journal of Immunology</i> , 2006, 36, 2139-2149.	2.9	206
13	Shikonin, a Component of Chinese Herbal Medicine, Inhibits Chemokine Receptor Function and Suppresses Human Immunodeficiency Virus Type 1. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2810-2816.	3.2	203
14	Opiates Transdeactivate Chemokine Receptors: δ and μ Opiate Receptor-mediated Heterologous Desensitization. <i>Journal of Experimental Medicine</i> , 1998, 188, 317-325.	8.5	201
15	Co-expression of TNFR2 and CD25 identifies more of the functional CD4 ⁺ FOXP3 ⁺ regulatory T cells in human peripheral blood. <i>European Journal of Immunology</i> , 2010, 40, 1099-1106.	2.9	185
16	Leukocyte granule proteins mobilize innate host defenses and adaptive immune responses. <i>Immunological Reviews</i> , 2000, 177, 68-78.	6.0	177
17	Differential response of murine CD4 ⁺ CD25 ⁺ and CD4 ⁺ CD25 ⁺ T cells to dexamethasone-induced cell death. <i>European Journal of Immunology</i> , 2004, 34, 859-869.	2.9	173
18	Prolactin recruits STAT1, STAT3 and STAT5 independent of conserved receptor tyrosines TYR402, TYR479, TYR515 and TYR580. <i>Molecular and Cellular Endocrinology</i> , 1996, 117, 131-140.	3.2	157

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19	Chemotactic Activity of S100A7 (Psoriasin) Is Mediated by the Receptor for Advanced Glycation End Products and Potentiates Inflammation with Highly Homologous but Functionally Distinct S100A15. <i>Journal of Immunology</i> , 2008, 181, 1499-1506.	0.8	156
20	Painful Pathways Induced by TLR Stimulation of Dorsal Root Ganglion Neurons. <i>Journal of Immunology</i> , 2011, 186, 6417-6426.	0.8	143
21	Human Ribonuclease A Superfamily Members, Eosinophil-Derived Neurotoxin and Pancreatic Ribonuclease, Induce Dendritic Cell Maturation and Activation. <i>Journal of Immunology</i> , 2004, 173, 6134-6142.	0.8	142
22	Monocyte Chemotactic Protein-2 Activates CCR5 and Blocks CD4/CCR5-mediated HIV-1 Entry/Replication. <i>Journal of Biological Chemistry</i> , 1998, 273, 4289-4292.	3.4	124
23	Complementary DNA and derived amino acid sequence of the .alpha. subunit of human complement protein C8: evidence for the existence of a separate .alpha. subunit messenger RNA. <i>Biochemistry</i> , 1987, 26, 3556-3564.	2.5	121
24	Monocyte Chemotactic Protein-2 (MCP-2) Uses CCR1 AND CCR2B as Its Functional Receptors. <i>Journal of Biological Chemistry</i> , 1997, 272, 11682-11685.	3.4	120
25	Chemokines: progress toward identifying molecular targets for therapeutic agents. <i>Trends in Biotechnology</i> , 1996, 14, 46-51.	9.3	118
26	Expression of Costimulatory TNFR2 Induces Resistance of CD4+FoxP3 ⁺ Conventional T Cells to Suppression by CD4+FoxP3 ⁺ Regulatory T Cells. <i>Journal of Immunology</i> , 2010, 185, 174-182.	0.8	117
27	Formylpeptide Receptor FPR and the Rapid Growth of Malignant Human Gliomas. <i>Journal of the National Cancer Institute</i> , 2005, 97, 823-835.	6.3	115
28	Complementary DNA and derived amino acid sequence of the .beta. subunit of human complement protein C8: identification of a close structural and ancestral relationship to the .alpha. subunit and C9. <i>Biochemistry</i> , 1987, 26, 3565-3570.	2.5	114
29	Growth signaling and JAK2 association mediated by membrane-proximal cytoplasmic regions of prolactin receptors. <i>Journal of Biological Chemistry</i> , 1994, 269, 18267-70.	3.4	109
30	BALB/c mice have more CD4+CD25 ⁺ T regulatory cells and show greater susceptibility to suppression of their CD4+CD25 ⁻ responder T cells than C57BL/6 mice. <i>Journal of Leukocyte Biology</i> , 2005, 78, 114-121.	3.3	101
31	Î²-Defensin 2 and 3 Promote the Uptake of Self or CpG DNA, Enhance IFN-Î± Production by Human Plasmacytoid Dendritic Cells, and Promote Inflammation. <i>Journal of Immunology</i> , 2013, 191, 865-874.	0.8	98
32	Human Tumor Antigen MUC1 Is Chemotactic for Immature Dendritic Cells and Elicits Maturation but Does Not Promote Th1 Type Immunity. <i>Journal of Immunology</i> , 2005, 175, 1628-1635.	0.8	96
33	Pertussis toxin as an adjuvant suppresses the number and function of CD4+CD25 ⁺ T regulatory cells. <i>European Journal of Immunology</i> , 2006, 36, 671-680.	2.9	96
34	Melanoma cell-derived exosomes alter macrophage and dendritic cell functions in vitro. <i>Immunology Letters</i> , 2012, 148, 34-38.	2.5	96
35	Pertussis Toxin by Inducing IL-6 Promotes the Generation of IL-17-Producing CD4 Cells. <i>Journal of Immunology</i> , 2007, 178, 6123-6129.	0.8	88
36	Monocyte Chemoattractant Protein-1/CCL2 Produced by Stromal Cells Promotes Lung Metastasis of 4T1 Murine Breast Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e58791.	2.5	86

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37	Activation of JAK3, but not JAK1, is critical for IL-2-induced proliferation and STAT5 recruitment by a COOH-terminal region of the IL-2 receptor β -chain. <i>Cytokine</i> , 1995, 7, 689-700.	3.2	85
38	Selective inactivation of CCR5 and decreased infectivity of R5 HIV-1 strains mediated by opioid-induced heterologous desensitization. <i>Journal of Leukocyte Biology</i> , 2003, 74, 1074-1082.	3.3	81
39	The eighth component of human complement: evidence that it is an oligomeric serum protein assembled from products of three different genes. <i>Biochemistry</i> , 1987, 26, 5229-5233.	2.5	80
40	Inhibition of in Vitro and in Vivo HIV Replication by a Distamycin Analogue That Interferes with Chemokine Receptor Function: A Candidate for Chemotherapeutic and Microbicidal Application. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 2184-2193.	6.4	79
41	Bidirectional Heterologous Desensitization of Opioid and Chemokine Receptors. <i>Annals of the New York Academy of Sciences</i> , 2000, 917, 19-28.	3.8	78
42	Cutting edge: immature dendritic cells generated from monocytes in the presence of TGF-beta 1 express functional C-C chemokine receptor 6. <i>Journal of Immunology</i> , 1999, 163, 1737-41.	0.8	77
43	Suppression of breast cancer by chemical modulation of vulnerable zinc fingers in estrogen receptor. <i>Nature Medicine</i> , 2004, 10, 40-47.	30.7	76
44	Opiate Inhibition of Chemokine-Induced Chemotaxis. <i>Annals of the New York Academy of Sciences</i> , 1998, 840, 9-20.	3.8	71
45	Analysis of Interleukin-2-dependent Signal Transduction through the Shc/Grb2 Adapter Pathway. <i>Journal of Biological Chemistry</i> , 1995, 270, 28858-28863.	3.4	70
46	Triptolide, a constituent of immunosuppressive Chinese herbal medicine, is a potent suppressor of dendritic-cell maturation and trafficking. <i>Blood</i> , 2005, 106, 2409-2416.	1.4	69
47	Up-regulated expression and activation of the orphan chemokine receptor, CCRL2, in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 1806-1814.	6.7	68
48	Gene from a Psoriasis Susceptibility Locus Primes the Skin for Inflammation. <i>Science Translational Medicine</i> , 2010, 2, 61ra90.	12.4	66
49	Naturally Occurring CCR5 Extracellular and Transmembrane Domain Variants Affect HIV-1 Co-receptor and Ligand Binding Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 16228-16234.	3.4	65
50	Differential Regulation of Responsiveness to fMLP and C5a Upon Dendritic Cell Maturation: Correlation with Receptor Expression. <i>Journal of Immunology</i> , 2000, 165, 2694-2702.	0.8	64
51	Fufang Kushen injection inhibits sarcoma growth and tumor-induced hyperalgesia via TRPV1 signaling pathways. <i>Cancer Letters</i> , 2014, 355, 232-241.	7.2	63
52	Reduced risk of AIDS lymphoma in individuals heterozygous for the CCR5-delta32 mutation. <i>Cancer Research</i> , 1999, 59, 3561-4.	0.9	63
53	Transactivation of the Epidermal Growth Factor Receptor by Formylpeptide Receptor Exacerbates the Malignant Behavior of Human Glioblastoma Cells. <i>Cancer Research</i> , 2007, 67, 5906-5913.	0.9	61
54	Shikonin, a component of antiinflammatory Chinese herbal medicine, selectively blocks chemokine binding to CC chemokine receptor-1. <i>International Immunopharmacology</i> , 2001, 1, 229-236.	3.8	60

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55	The G-protein-coupled formylpeptide receptor FPR confers a more invasive phenotype on human glioblastoma cells. <i>British Journal of Cancer</i> , 2010, 102, 1052-1060.	6.4	60
56	Inducible NOS-induced chloride intracellular channel 4 (CLIC4) nuclear translocation regulates macrophage deactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6130-6135.	7.1	56
57	The Alarmin HMG1 Contributes to Antitumor Immunity and Is a Potent Immunoadjuvant. <i>Cancer Research</i> , 2014, 74, 5989-5998.	0.9	56
58	Interleukin-2 induces tyrosine phosphorylation of the vav proto-oncogene product in human T cells: lack of requirement for the tyrosine kinase lck. <i>Biochemical Journal</i> , 1993, 294, 339-342.	3.7	55
59	Characterization of chenodeoxycholic acid as an endogenous antagonist of the G-coupled formyl peptide receptors. <i>Inflammation Research</i> , 2000, 49, 744-755.	4.0	53
60	Effects of Shuanghuanglian and Qingkailing, two multi-components of traditional Chinese medicinal preparations, on human leukocyte function. <i>Life Sciences</i> , 2002, 70, 2897-2913.	4.3	53
61	Soluble tumor necrosis factor receptor: inhibition of human immunodeficiency virus activation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 2335-2339.	7.1	50
62	LEC induces chemotaxis and adhesion by interacting with CCR1 and CCR8. <i>Blood</i> , 2000, 96, 840-845.	1.4	48
63	Chemokines as molecular targets for therapeutic intervention. <i>Journal of Clinical Immunology</i> , 1999, 19, 280-292.	3.8	46
64	Autoantigens act as tissue-specific chemoattractants. <i>Journal of Leukocyte Biology</i> , 2005, 77, 854-861.	3.3	45
65	Structural plasticity of a transmembrane peptide allows self-assembly into biologically active nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9798-9803.	7.1	45
66	Pervanadate simulates the effects of interleukin-2 (IL-2) in human T cells and provides evidence for the activation of two distinct tyrosine kinase pathways by IL-2. <i>Journal of Biological Chemistry</i> , 1994, 269, 23407-12.	3.4	45
67	Small molecule inhibitor of HIV-1 cell fusion blocks chemokine receptor-mediated function. <i>Journal of Leukocyte Biology</i> , 1998, 64, 6-13.	3.3	42
68	Leukocyte-derived koebnerisin (S100A15) and psoriasin (S100A7) are systemic mediators of inflammation in psoriasis. <i>Journal of Dermatological Science</i> , 2015, 79, 214-221.	1.9	42
69	Negative regulation of CXCR4-mediated chemotaxis by the lipid phosphatase activity of tumor suppressor PTEN. <i>Blood</i> , 2005, 106, 2619-2626.	1.4	41
70	IKK β is required for the homeostasis of regulatory T cells and for the expansion of both regulatory and effector CD4 T cells. <i>FASEB Journal</i> , 2015, 29, 443-454.	0.5	41
71	Triptolide Attenuates Endotoxin- and Staphylococcal Exotoxin-Induced T-Cell Proliferation and Production of Cytokines and Chemokines. <i>Immunopharmacology and Immunotoxicology</i> , 2005, 27, 53-66.	2.4	39
72	Effects of astragali radix on the growth of different cancer cell lines. <i>World Journal of Gastroenterology</i> , 2003, 9, 670.	3.3	39

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73	Autoantigens signal through chemokine receptors: uveitis antigens induce CXCR3- and CXCR5-expressing lymphocytes and immature dendritic cells to migrate. <i>Blood</i> , 2005, 105, 4207-4214.	1.4	38
74	Selenium Deficiency Abrogates Inflammation-Dependent Plasma Cell Tumors in Mice. <i>Cancer Research</i> , 2004, 64, 2910-2917.	0.9	35
75	Regulatory effects of deoxycholic acid, a component of the anti-inflammatory traditional Chinese medicine Niu Huang, on human leukocyte response to chemoattractants. <i>Biochemical Pharmacology</i> , 2002, 63, 533-541.	4.4	33
76	The differential ability of IL-8 and neutrophil-activating peptide-2 to induce attenuation of chemotaxis is mediated by their divergent capabilities to phosphorylate CXCR2 (IL-8 receptor B). <i>Journal of Immunology</i> , 1997, 158, 5927-33.	0.8	33
77	<i>Brugia malayi</i> Asparaginyl-tRNA Synthetase Induces Chemotaxis of Human Leukocytes and Activates G-protein-Coupled Receptors CXCR1 and CXCR2. <i>Journal of Infectious Diseases</i> , 2006, 193, 1164-1171.	4.0	31
78	HIV-1 envelope gp41 is a potent inhibitor of chemoattractant receptor expression and function in monocytes.. <i>Journal of Clinical Investigation</i> , 1998, 102, 804-812.	8.2	27
79	Alarmin-induced cell migration. <i>European Journal of Immunology</i> , 2013, 43, 1412-1418.	2.9	26
80	Chemokine receptors on dendritic cells promote autoimmune reactions. <i>Arthritis Research</i> , 2002, 4, S183.	2.0	24
81	Regulation of the leukocyte chemoattractant receptor FPR in glioblastoma cells by cell differentiation. <i>Carcinogenesis</i> , 2009, 30, 348-355.	2.8	23
82	Yin Zi Huang, an Injectable Multicomponent Chinese Herbal Medicine, Is a Potent Inhibitor of T-Cell Activation. <i>Journal of Alternative and Complementary Medicine</i> , 2004, 10, 519-526.	2.1	22
83	Structural domains of interleukin-2 receptor β critical for signal transduction: kinase association and nuclear complex-formation. <i>Biochemical Journal</i> , 1995, 306, 217-224.	3.7	21
84	Functional redundancy of the human CCL4 and CCL4L1 chemokine genes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 927-931.	2.1	21
85	The Scaffold Protein Cybr Is Required for Cytokine-Modulated Trafficking of Leukocytes In Vivo. <i>Molecular and Cellular Biology</i> , 2006, 26, 5249-5258.	2.3	21
86	Functional and genomic analyses of FOXP3-transduced Jurkat-T cells as regulatory T (Treg)-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 44-50.	2.1	20
87	Myeloid cells migrate in response to IL-24. <i>Cytokine</i> , 2011, 55, 429-434.	3.2	20
88	In vitro generated Th17 cells support the expansion and phenotypic stability of CD4 ⁺ Foxp3 ⁺ regulatory T cells in vivo. <i>Cytokine</i> , 2014, 65, 56-64.	3.2	20
89	Interleukin-8-like activity in a filarial asparaginyl-tRNA synthetase. <i>Molecular and Biochemical Parasitology</i> , 2012, 185, 66-69.	1.1	19
90	The diverse role of chemokines in tumor progression: Prospects for intervention (Review). <i>International Journal of Molecular Medicine</i> , 2001, 8, 235-44.	4.0	16

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91	Inhibition of the Expression and Function of Chemokine Receptors on Human CD4+ Leukocytes by HIV-1 Envelope Protein gp120. , 1999, 72, 141-160.		15
92	Effects of IL-7 and dexamethasone: Induction of CD25, the high affinity IL-2 receptor, on human CD4+ cells. Cellular Immunology, 2004, 232, 57-63.	3.0	15
93	An Expanding Appreciation of the Role Chemokine Receptors Play in Cancer Progression. Current Pharmaceutical Design, 2004, 10, 2377-2389.	1.9	15
94	Characterization of a class 3 tyrosine kinase. Oncogene, 1992, 7, 895-900.	5.9	14
95	Involvement of JAK-family tyrosine kinases in hematopoietin receptor signal transduction. Progress in Growth Factor Research, 1994, 5, 195-211.	1.6	13
96	Variants of CCR5, which are permissive for HIV-1 infection, show distinct functional responses to CCL3, CCL4 and CCL5. Genes and Immunity, 2005, 6, 609-619.	4.1	13
97	An Inhibitor of CCL2-Induced Chemotaxis from the Fungus <i>Leptoxylum</i> sp.. Journal of Natural Products, 2009, 72, 1369-1372.	3.0	11
98	Interactions of Opioid Receptors, Chemokines, and Chemokine Receptors. , 2001, 493, 69-74.		9
99	Autoantigen signalling through chemokine receptors. Current Opinion in Rheumatology, 2006, 18, 642-646.	4.3	9
100	CD27 SIGNALS THROUGH PKC IN HUMAN B CELL LYMPHOMAS. Cytokine, 1999, 11, 476-484.	3.2	6
101	Inhibition of RANTES/CCR1-mediated chemotaxis by cosalane and related compounds. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 59-62.	2.2	6
102	New Directions in the Biology and Therapy of Chronic Myeloid Leukemia. Leukemia and Lymphoma, 1992, 6, 89-95.	1.3	5
103	US National Cancer Instituteâ€“China Collaborative Studies on Chinese Medicine and Cancer. Journal of the National Cancer Institute Monographs, 2017, 2017, .	2.1	5
104	A phosphatase activity present in peripheral blood myeloid cells of chronic myelogenous leukemia patients but not normal individuals alters nuclear protein binding to transcriptional enhancers of interferon-inducible genes.. Journal of Clinical Investigation, 1990, 86, 1664-1670.	8.2	5
105	Confirmed assignment of a novel human tyrosine kinase gene (JAK1A) to 1p32.3â†’p31.3 by nonisotopic in situ hybridization. Cytogenetic and Genome Research, 1995, 69, 232-234.	1.1	3
106	Inhibitors of HIV cellular fusion. Expert Opinion on Therapeutic Patents, 2000, 10, 1899-1909.	5.0	3
107	Inhibitors of monocyte chemoattractant protein-1/CC ligand 2 and its receptor CCR2. Expert Opinion on Therapeutic Patents, 2001, 11, 1147-1151.	5.0	3
108	The chemokine kidnapping receptor of HHV8.. Journal of Clinical Investigation, 1998, 102, 1467-1468.	8.2	3

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109	Mg ²⁺ - or Mn ²⁺ -dependent p-nitrophenylphosphatase activity is present in ehrlich ascites tumor cells. Archives of Biochemistry and Biophysics, 1984, 232, 214-222.	3.0	2
110	Triptolide Attenuates Endotoxin- and Staphylococcal Exotoxin-Induced T-Cell Proliferation and Production of Cytokines and Chemokines. Immunopharmacology and Immunotoxicology, 2005, 27, 53-66.	2.4	2
111	LEC induces chemotaxis and adhesion by interacting with CCR1 and CCR8. Blood, 2000, 96, 840-845.	1.4	2
112	Interferon affects nuclear proteins in cells of clinically sensitive chronic myelogenous leukemia patients. Blood, 1990, 76, 1117-30.	1.4	1
113	Biology of chemokines. , 2006, , 7-38.		0
114	5' region of zeta-globin and GMCSF genes share binding site for nuclear proteins. Transactions of the Association of American Physicians, 1988, 101, 180-4.	0.1	0