

# Huan Yang

## 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.

52  
papers

9,192  
citations

28  
h-index

58  
g-index

58  
ext. papers

10,533  
ext. citations

8.9  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
52	HMG-1 as a late mediator of endotoxin lethality in mice. <i>Science</i> , <b>1999</b> , 285, 248-51	33.3	3435
51	Reversing established sepsis with antagonists of endogenous high-mobility group box 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 296-301	11.5	954
50	A critical cysteine is required for HMGB1 binding to Toll-like receptor 4 and activation of macrophage cytokine release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 11942-7	11.5	581
49	The many faces of HMGB1: molecular structure-functional activity in inflammation, apoptosis, and chemotaxis. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 93, 865-73	6.5	359
48	Redox modification of cysteine residues regulates the cytokine activity of high mobility group box-1 (HMGB1). <i>Molecular Medicine</i> , <b>2012</b> , 18, 250-9	6.2	337
47	The HMGB1 receptor RAGE mediates ischemic brain damage. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 12023-12031	10.3	312
46	Role of HMGB1 in apoptosis-mediated sepsis lethality. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 1637-1646	11.6	312
45	Targeting HMGB1 in inflammation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2010</b> , 1799, 149-56	6	259
44	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. <i>Immunity</i> , <b>2018</b> , 49, 740-753.e7	32.3	217
43	Cold-inducible RNA-binding protein (CIRP) triggers inflammatory responses in hemorrhagic shock and sepsis. <i>Nature Medicine</i> , <b>2013</b> , 19, 1489-1495	50.5	214
42	MD-2 is required for disulfide HMGB1-dependent TLR4 signaling. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 5-14	16.6	214
41	High Mobility Group Box Protein 1 (HMGB1): The Prototypical Endogenous Danger Molecule. <i>Molecular Medicine</i> , <b>2015</b> , 21 Suppl 1, S6-S12	6.2	211
40	DAMP signaling is a key pathway inducing immune modulation after brain injury. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 583-98	6.6	196
39	HMGB1 enhances immune suppression by facilitating the differentiation and suppressive activity of myeloid-derived suppressor cells. <i>Cancer Research</i> , <b>2014</b> , 74, 5723-33	10.1	151
38	Extracellular HMGB1 as a therapeutic target in inflammatory diseases. <i>Expert Opinion on Therapeutic Targets</i> , <b>2018</b> , 22, 263-277	6.4	146
37	High-mobility group box 1 protein (HMGB1) operates as an alarmin outside as well as inside cells. <i>Seminars in Immunology</i> , <b>2018</b> , 38, 40-48	10.7	137
36	α7 nicotinic acetylcholine receptor signaling inhibits inflammasome activation by preventing mitochondrial DNA release. <i>Molecular Medicine</i> , <b>2014</b> , 20, 350-8	6.2	124

35	Recombinant HMGB1 with cytokine-stimulating activity. <i>Journal of Immunological Methods</i> , <b>2004</b> , 289, 211-23	2.5	118
34	Targeting Inflammation Driven by HMGB1. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 484	8.4	118
33	Receptor for advanced glycation end products and its ligand high-mobility group box-1 mediate allergic airway sensitization and airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 134, 440-50	11.5	109
32	Inhibition of extracellular HMGB1 attenuates hyperoxia-induced inflammatory acute lung injury. <i>Redox Biology</i> , <b>2014</b> , 2, 314-22	11.3	80
31	A novel high mobility group box 1 neutralizing chimeric antibody attenuates drug-induced liver injury and postinjury inflammation in mice. <i>Hepatology</i> , <b>2016</b> , 64, 1699-1710	11.2	76
30	Identification of CD163 as an antiinflammatory receptor for HMGB1-haptoglobin complexes. <i>JCI Insight</i> , <b>2016</b> , 1,	9.9	67
29	Blood pressure regulation by CD4 lymphocytes expressing choline acetyltransferase. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 1066-1071	44.5	47
28	HMGB1 Mediates Anemia of Inflammation in Murine Sepsis Survivors. <i>Molecular Medicine</i> , <b>2016</b> , 21, 951-958		37
27	The $\alpha$ 7 nicotinic acetylcholine receptor agonist GTS-21 improves bacterial clearance in mice by restoring hyperoxia-compromised macrophage function. <i>Molecular Medicine</i> , <b>2014</b> , 20, 238-47	6.2	34
26	Connexin 43 Hemichannel as a Novel Mediator of Sterile and Infectious Inflammatory Diseases. <i>Scientific Reports</i> , <b>2018</b> , 8, 166	4.9	32
25	Investigational treatment of rheumatoid arthritis with a vibrotactile device applied to the external ear. <i>Bioelectronic Medicine</i> , <b>2019</b> , 5, 4	5.4	31
24	Obesity paradox, obesity orthodox, and the metabolic syndrome: An approach to unity. <i>Molecular Medicine</i> , <b>2017</b> , 22, 873-885	6.2	28
23	High mobility group box-1 (HMGB1) is increased in injured mouse spinal cord and can elicit neurotoxic inflammation. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 72, 22-33	16.6	27
22	High mobility group box-1 induces pro-inflammatory signaling in human nucleus pulposus cells via toll-like receptor 4-dependent pathway. <i>Journal of Orthopaedic Research</i> , <b>2019</b> , 37, 220-231	3.8	25
21	Serum Amyloid A Stimulates PKR Expression and HMGB1 Release Possibly through TLR4/RAGE Receptors. <i>Molecular Medicine</i> , <b>2015</b> , 21, 515-25	6.2	22
20	The haptoglobin beta subunit sequesters HMGB1 toxicity in sterile and infectious inflammation. <i>Journal of Internal Medicine</i> , <b>2017</b> , 282, 76-93	10.8	21
19	Enhanced Macrophage Pannexin 1 Expression and Hemichannel Activation Exacerbates Lethal Experimental Sepsis. <i>Scientific Reports</i> , <b>2019</b> , 9, 160	4.9	20
18	High-Density Lipoprotein (HDL) Counter-Regulates Serum Amyloid A (SAA)-Induced sPLA2-IIe and sPLA2-V Expression in Macrophages. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167468	3.7	20

17	Identification of ethyl pyruvate as a NLRP3 inflammasome inhibitor that preserves mitochondrial integrity. <i>Molecular Medicine</i> , <b>2018</b> , 24, 8	6.2	19
16	Cathepsin L promotes Vascular Intimal Hyperplasia after Arterial Injury. <i>Molecular Medicine</i> , <b>2017</b> , 23, 92-100	6.2	15
15	New melanocortin-like peptide of can suppress inflammation via the mammalian melanocortin-1 receptor (MC1R): possible endocrine-like function for microbes of the gut. <i>Npj Biofilms and Microbiomes</i> , <b>2017</b> , 3, 31	8.2	14
14	The HIV Protease Inhibitor Saquinavir Inhibits HMGB1-Driven Inflammation by Targeting the Interaction of Cathepsin V with TLR4/MyD88. <i>Molecular Medicine</i> , <b>2015</b> , 21, 749-757	6.2	13
13	Sequestering HMGB1 via DNA-conjugated beads ameliorates murine colitis. <i>PLoS ONE</i> , <b>2014</b> , 9, e103992	3.7	13
12	Reuniting overnutrition and undernutrition, macronutrients, and micronutrients. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2019</b> , 35, e3072	7.5	11
11	Folic acid derived-P5779 mimetics regulate DAMP-mediated inflammation through disruption of HMGB1:TLR4:MD-2 axes. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193028	3.7	10
10	HMGB1 released from nociceptors mediates inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	9
9	Redox modifications of cysteine residues regulate the cytokine activity of HMGB1. <i>Molecular Medicine</i> , <b>2021</b> , 27, 58	6.2	7
8	HMGB1-Mediated Restriction of EPO Signaling Contributes to Anemia of Inflammation.. <i>Blood</i> , <b>2022</b> ,	2.2	3
7	Famotidine activates the vagus nerve inflammatory reflex to attenuate cytokine storm.. <i>Molecular Medicine</i> , <b>2022</b> , 28, 57	6.2	2
6	The pro-inflammatory effect of HMGB1, a mediator of inflammation in arthritis, is dependent on the redox status of the protein. <i>Annals of the Rheumatic Diseases</i> , <b>2012</b> , 71, A81.2-A82	2.4	1
5	Successful therapy with anti-HMGB1 monoclonal antibodies in two separate experimental arthritis models. <i>Annals of the Rheumatic Diseases</i> , <b>2011</b> , 70, A77-A78	2.4	
4	HMGB1 mediates muscle fatigue via TLR4 - a possible mechanism for muscle fatigue in patients with inflammatory myopathies. <i>Annals of the Rheumatic Diseases</i> , <b>2012</b> , 71, A42.2-A43	2.4	
3	23 VAGUS NERVE ACTIVITY AND CYTOKINE RESPONSIVENESS IN PATIENTS WITH RHEUMATOID ARTHRITIS.. <i>Journal of Investigative Medicine</i> , <b>2006</b> , 54, S377.1-S377	2.9	
2	HMGB1 Causes Anemia of Inflammation By Modulating Erythropoietin Signal Transduction. <i>Blood</i> , <b>2018</b> , 132, 628-628	2.2	
1	Inhibition of Human Erythropoiesis during Inflammation Is Mediated By High Mobility Group Box Protein 1 (HMGB1) through Decreased Commitment of Hematopoietic Stem Cells to the Erythroid Lineage and By Increased Apoptosis of Terminally Differentiating Erythroblasts. <i>Blood</i> , <b>2016</b> , 128, 702-702	2.2	