

## 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.

122 papers	13,888 citations	42 h-index	117 g-index
141 ext. papers	15,278 ext. citations	7.7 avg, IF	6.2 L-index

#	Paper	IF	Citations
122	Nicotinic acetylcholine receptor alpha7 subunit is an essential regulator of inflammation. <i>Nature</i> , <b>2003</b> , 421, 384-8	50.4	2834
121	Cholinergic agonists inhibit HMGB1 release and improve survival in experimental sepsis. <i>Nature Medicine</i> , <b>2004</b> , 10, 1216-21	50.5	1452
120	The "cytokine profile": a code for sepsis. <i>Trends in Molecular Medicine</i> , <b>2005</b> , 11, 56-63	11.5	1009
119	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
118	Inhibition of transforming growth factor-beta/SMAD signalling by the interferon-gamma/STAT pathway. <i>Nature</i> , <b>1999</b> , 397, 710-3	50.4	704
117	Splenectomy inactivates the cholinergic antiinflammatory pathway during lethal endotoxemia and polymicrobial sepsis. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 1623-8	16.6	523
116	Ethyl pyruvate prevents lethality in mice with established lethal sepsis and systemic inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 12351-6	11.5	519
115	The alpha7 nicotinic acetylcholine receptor as a pharmacological target for inflammation. <i>British Journal of Pharmacology</i> , <b>2007</b> , 151, 915-29	8.6	429
114	Pharmacological stimulation of the cholinergic antiinflammatory pathway. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 195, 781-8	16.6	405
113	The vagus nerve and nicotinic receptors modulate experimental pancreatitis severity in mice. <i>Gastroenterology</i> , <b>2006</b> , 130, 1822-30	13.3	370
112	The vagus nerve and the nicotinic anti-inflammatory pathway. <i>Nature Reviews Drug Discovery</i> , <b>2005</b> , 4, 673-84	64.1	315
111	Dopamine mediates vagal modulation of the immune system by electroacupuncture. <i>Nature Medicine</i> , <b>2014</b> , 20, 291-5	50.5	311
110	High-mobility group box 1 (HMGB1) protein: friend and foe. <i>Cytokine and Growth Factor Reviews</i> , <b>2006</b> , 17, 189-201	17.9	278
109	Structural Basis for the Proinflammatory Cytokine Activity of High Mobility Group Box 1. <i>Molecular Medicine</i> , <b>2003</b> , 9, 37-45	6.2	261
108	High mobility group box chromosomal protein 1: a novel proinflammatory mediator in synovitis. <i>Arthritis and Rheumatism</i> , <b>2002</b> , 46, 2598-603		240
107	̑-cholinergic receptor mediates vagal induction of splenic norepinephrine. <i>Journal of Immunology</i> , <b>2011</b> , 186, 4340-6	5.3	171
106	Bacterial endotoxin stimulates macrophages to release HMGB1 partly through CD14- and TNF-dependent mechanisms. <i>Journal of Leukocyte Biology</i> , <b>2004</b> , 76, 994-1001	6.5	154

105	Structural basis for the proinflammatory cytokine activity of high mobility group box 1. <i>Molecular Medicine</i> , <b>2003</b> , 9, 37-45	6.2	134
104	Recombinant HMGB1 with cytokine-stimulating activity. <i>Journal of Immunological Methods</i> , <b>2004</b> , 289, 211-23	2.5	118
103	Hmgb-1 as a therapeutic target for infectious and inflammatory disorders. <i>Shock</i> , <b>2006</b> , 25, 4-11	3.4	114
102	α-Adrenoreceptors of regulatory lymphocytes are essential for vagal neuromodulation of the innate immune system. <i>FASEB Journal</i> , <b>2011</b> , 25, 4476-85	0.9	112
101	Suppression of HMGB1 release by stearyl lysophosphatidylcholine:an additional mechanism for its therapeutic effects in experimental sepsis. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 623-7	6.3	98
100	Heterogeneity in the phosphorylation of microtubule-associated protein MAP1B during rat brain development. <i>Journal of Neurochemistry</i> , <b>1993</b> , 61, 961-72	6	91
99	Novel insights for systemic inflammation in sepsis and hemorrhage. <i>Mediators of Inflammation</i> , <b>2010</b> , 2010, 642462	4.3	78
98	Pharmacological implications of the spleen in sepsis. <i>Critical Care</i> , <b>2007</b> , 11, P49	10.8	78
97	Unphosphorylated STAT3 modulates alpha 7 nicotinic receptor signaling and cytokine production in sepsis. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 2580-9	6.1	72
96	Alpha7 nicotinic acetylcholine receptor: a link between inflammation and neurodegeneration. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2008</b> , 32, 693-706	9	69
95	Alpha-chemokine receptor blockade reduces high mobility group box 1 protein-induced lung inflammation and injury and improves survival in sepsis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2005</b> , 289, L583-90	5.8	63
94	Interactions between cellular actin and human respiratory syncytial virus (HRSV). <i>Virus Research</i> , <b>1998</b> , 53, 13-25	6.4	62
93	Chemoimmunotherapy versus chemotherapy for metastatic malignant melanoma. <i>The Cochrane Library</i> , <b>2007</b> , CD005413	5.2	62
92	Lefty inhibits receptor-regulated Smad phosphorylation induced by the activated transforming growth factor-beta receptor. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 21397-404	5.4	60
91	Microtubule-associated protein MAP1B showing a fetal phosphorylation pattern is present in sites of neurofibrillary degeneration in brains of Alzheimer's disease patients. <i>Molecular Brain Research</i> , <b>1994</b> , 26, 113-22		60
90	Nerve Stimulation: Immunomodulation and Control of Inflammation. <i>Trends in Molecular Medicine</i> , <b>2017</b> , 23, 1103-1120	11.5	59
89	Localization of differentially phosphorylated isoforms of microtubule-associated protein 1B in cultured rat hippocampal neurons. <i>Neuroscience</i> , <b>1994</b> , 61, 211-23	3.9	56
88	Modulation of experimental arthritis by vagal sensory and central brain stimulation. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 64, 330-343	16.6	54

87	Lefty proteins exhibit unique processing and activate the MAPK pathway. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 21387-96	5.4	52
86	Activation of toll-like receptor 4 is necessary for trauma hemorrhagic shock-induced gut injury and polymorphonuclear neutrophil priming. <i>Shock</i> , <b>2012</b> , 38, 107-14	3.4	51
85	Cholinergic regulatory lymphocytes re-establish neuromodulation of innate immune responses in sepsis. <i>Journal of Immunology</i> , <b>2011</b> , 187, 718-25	5.3	48
84	JAK2 inhibition prevents innate immune responses and rescues animals from sepsis. <i>Journal of Molecular Medicine</i> , <b>2010</b> , 88, 851-9	5.5	48
83	Dephosphorylation of distinct sites on microtubule-associated protein MAP1B by protein phosphatases 1, 2A and 2B. <i>FEBS Letters</i> , <b>1993</b> , 330, 85-9	3.8	47
82	Scientific and clinical challenges in sepsis. <i>Current Pharmaceutical Design</i> , <b>2009</b> , 15, 1918-35	3.3	42
81	Antioxidants preserve macrophage phagocytosis of <i>Pseudomonas aeruginosa</i> during hyperoxia. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 42, 1338-49	7.8	42
80	Parasympathetic stimulation via the vagus nerve prevents systemic organ dysfunction by abrogating gut injury and lymph toxicity in trauma and hemorrhagic shock. <i>Shock</i> , <b>2013</b> , 39, 39-44	3.4	42
79	Therapeutic potential and limitations of cholinergic anti-inflammatory pathway in sepsis. <i>Pharmacological Research</i> , <b>2017</b> , 117, 1-8	10.2	41
78	Mast cell stabilization improves survival by preventing apoptosis in sepsis. <i>Journal of Immunology</i> , <b>2010</b> , 185, 709-16	5.3	36
77	Characterization of microtubule-associated protein MAP1B: phosphorylation state, light chains, and binding to microtubules. <i>Biochemistry</i> , <b>1996</b> , 35, 3016-23	3.2	36
76	Implications for Neuromodulation Therapy to Control Inflammation and Related Organ Dysfunction in COVID-19. <i>Journal of Cardiovascular Translational Research</i> , <b>2020</b> , 13, 894-899	3.3	34
75	Cholinergic Stimulation Improves Oxidative Stress and Inflammation in Experimental Myocardial Infarction. <i>Scientific Reports</i> , <b>2017</b> , 7, 13687	4.9	33
74	Alpha7 cholinergic-agonist prevents systemic inflammation and improves survival during resuscitation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 3774-85	5.6	32
73	Adrenomedullin and its binding protein attenuate the proinflammatory response after hemorrhage. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 391-8	1.4	32
72	The role of neutrophils in neuro-immune modulation. <i>Pharmacological Research</i> , <b>2020</b> , 151, 104580	10.2	31
71	Ethyl pyruvate improves survival in awake hemorrhage. <i>Journal of Molecular Medicine</i> , <b>2009</b> , 87, 423-33	5.5	29
70	Ethyl pyruvate prevents inflammatory responses and organ damage during resuscitation in porcine hemorrhage. <i>Shock</i> , <b>2010</b> , 34, 205-13	3.4	29

69	High-mobility group box-1 isoforms as potential therapeutic targets in sepsis. <i>Methods in Molecular Biology</i> , <b>2007</b> , 361, 145-62	1.4	29
68	Microtubule-associated protein 1B (MAP1B) is present in glial cells phosphorylated different than in neurones. <i>Glia</i> , <b>1994</b> , 10, 266-75	9	29
67	Baroreflex activation in conscious rats modulates the joint inflammatory response via sympathetic function. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 49, 140-7	16.6	28
66	Globin attenuates the innate immune response to endotoxin. <i>Shock</i> , <b>2002</b> , 17, 485-90	3.4	27
65	Neuroimmune Interactions in Schizophrenia: Focus on Vagus Nerve Stimulation and Activation of the Alpha-7 Nicotinic Acetylcholine Receptor. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 618	8.4	26
64	Nicotinic acetylcholine receptor expression and susceptibility to cholinergic immunomodulation in human monocytes of smoking individuals. <i>NeuroImmunoModulation</i> , <b>2012</b> , 19, 255-65	2.5	24
63	Vagal nerve stimulation modulates gut injury and lung permeability in trauma-hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , <b>2012</b> , 73, 338-42; discussion 342	3.3	24
62	NMDA-glutamate receptors regulate phosphorylation of dendritic cytoskeletal proteins in the hippocampus. <i>Brain Research</i> , <b>1997</b> , 765, 141-8	3.7	24
61	Transgelin-2 as a therapeutic target for asthmatic pulmonary resistance. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	23
60	Ethyl Pyruvate Protects against Lethal Systemic Inflammation by Preventing HMGB1 Release. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 987, 319-321	6.5	22
59	Carotid sinus nerve electrical stimulation in conscious rats attenuates systemic inflammation via chemoreceptor activation. <i>Scientific Reports</i> , <b>2017</b> , 7, 6265	4.9	21
58	Anti-inflammatory adjuvant in resuscitation fluids improves survival in hemorrhage. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 860-8	1.4	21
57	Intraoperative Low-frequency Electroacupuncture under General Anesthesia Improves Postoperative Recovery in a Randomized Trial. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , <b>2016</b> , 9, 234-241	1.2	20
56	Anatomical and clinical implications of vagal modulation of the spleen. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 112, 363-373	9	19
55	Estradiol replacement therapy regulates innate immune response in ovariectomized arthritic mice. <i>International Immunopharmacology</i> , <b>2019</b> , 72, 504-510	5.8	18
54	The cholinergic anti-inflammatory pathway meets microRNA. <i>Cell Research</i> , <b>2013</b> , 23, 1249-50	24.7	18
53	Characterization of the axon initial segment of mice substantia nigra dopaminergic neurons. <i>Journal of Comparative Neurology</i> , <b>2017</b> , 525, 3529-3542	3.4	17
52	Transgelin-2: Biochemical and Clinical Implications in Cancer and Asthma. <i>Trends in Biochemical Sciences</i> , <b>2019</b> , 44, 885-896	10.3	14

51	Baroreflex stimulation attenuates central but not peripheral inflammation in conscious endotoxemic rats. <i>Brain Research</i> , <b>2018</b> , 1682, 54-60	3.7	14
50	Anti-inflammatory resuscitation improves survival in hemorrhage with trauma. <i>Journal of Trauma</i> , <b>2009</b> , 66, 1632-9; discussion 1639-40		14
49	Involvement of gamma and beta actin isoforms in mouse neuroblastoma differentiation. <i>European Journal of Neuroscience</i> , <b>1996</b> , 8, 1441-51	3.5	14
48	Depletion of catalytic and regulatory subunits of protein kinase CK2 by antisense oligonucleotide treatment of neuroblastoma cells. <i>Cellular and Molecular Neurobiology</i> , <b>1994</b> , 14, 407-14	4.6	14
47	Exercise activates vagal induction of dopamine and attenuates systemic inflammation. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 75, 181-191	16.6	14
46	Glucose Activates Vagal Control of Hyperglycemia and Inflammation in Fasted Mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 1012	4.9	13
45	Dopaminergic Control of Inflammation and Glycemia in Sepsis and Diabetes. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 943	8.4	13
44	Ezrin Orchestrates Signal Transduction in Airway Cells. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , <b>2018</b> , 174, 1-23	2.9	13
43	Survival and inflammatory responses in experimental models of hemorrhage. <i>Journal of Surgical Research</i> , <b>2011</b> , 169, 257-66	2.5	13
42	Neuroimmune perspectives in sepsis. <i>Critical Care</i> , <b>2009</b> , 13, 133	10.8	13
41	Role of phosphorylated MAP1B in neuritogenesis. <i>Cell Biology International</i> , <b>1994</b> , 18, 309-14	4.5	13
40	Combined Aerobic and Resistance Exercise Training Improve Hypertension Associated With Menopause. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1471	4.6	13
39	From neuroimmunomodulation to bioelectronic treatment of rheumatoid arthritis. <i>Bioelectronics in Medicine</i> , <b>2018</b> , 1, 151-165	2.1	12
38	Brain Stimulation Differentially Modulates Nociception and Inflammation in Aversive and Non-aversive Behavioral Conditions. <i>Neuroscience</i> , <b>2018</b> , 383, 191-204	3.9	11
37	S100A8 protein attenuates airway hyperresponsiveness by suppressing the contraction of airway smooth muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 484, 184-188	3.4	10
36	The phosphorylated isoform of microtubule associated protein 1B (MAP1B) is expressed in the visual system of the tench ( <i>Tinca tinca</i> , L) during optic nerve regeneration. <i>Neuroscience Letters</i> , <b>1998</b> , 245, 93-6	3.3	10
35	Inhibition of spinal p38 MAPK prevents articular neutrophil infiltration in experimental arthritis via sympathetic activation. <i>Fundamental and Clinical Pharmacology</i> , <b>2018</b> , 32, 155-162	3.1	8
34	Baroreflex Impairment Precedes Cardiometabolic Dysfunction in an Experimental Model of Metabolic Syndrome: Role of Inflammation and Oxidative Stress. <i>Scientific Reports</i> , <b>2018</b> , 8, 8578	4.9	8

33	NDP-MSH inhibits neutrophil migration through nicotinic and adrenergic receptors in experimental peritonitis. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2013</b> , 386, 311-8	3.4	8
32	Oral activated charcoal prevents experimental cerebral malaria in mice and in a randomized controlled clinical trial in man did not interfere with the pharmacokinetics of parenteral artesunate. <i>PLoS ONE</i> , <b>2010</b> , 5, e9867	3.7	8
31	The role of the cytoskeleton in the morphological changes occurring during neuronal differentiation. <i>Seminars in Cell and Developmental Biology</i> , <b>1996</b> , 7, 733-739	7.5	8
30	Choline attenuates inflammatory hyperalgesia activating nitric oxide/cGMP/ATP-sensitive potassium channels pathway. <i>Brain Research</i> , <b>2020</b> , 1727, 146567	3.7	7
29	Decreased S100A9 Expression Promoted Rat Airway Smooth Muscle Cell Proliferation by Stimulating ROS Generation and Inhibiting p38 MAPK. <i>Canadian Respiratory Journal</i> , <b>2016</b> , 2016, 1462563 <sup>1</sup>	3.1	7
28	The Neuronal Strategy for Inflammation. <i>Novartis Foundation Symposium</i> , 223-237		6
27	The neuronal strategy for inflammation. <i>Novartis Foundation Symposium</i> , <b>2007</b> , 280, 223-33; discussion 233-7		6
26	Cortical stimulation in conscious rats controls joint inflammation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 84, 201-213	5.5	5
25	Trip planning within a multimodal urban mobility. <i>IET Intelligent Transport Systems</i> , <b>2018</b> , 12, 87-92	2.4	5
24	Stellate Ganglion Blockade: an Intervention for the Management of Ventricular Arrhythmias. <i>Current Hypertension Reports</i> , <b>2020</b> , 22, 100	4.7	5
23	Fat and the gut: more than empty calories. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 1608-9	1.4	4
22	Neuropathies and neurological dysfunction induced by coronaviruses. <i>Journal of NeuroVirology</i> , <b>2021</b> , 27, 380-396	3.9	4
21	SUMOylation Connects Cell Stress Responses and Inflammatory Control: Lessons From the Gut as a Model Organ. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 646633	8.4	3
20	Regulation of murine arthritis by systemic, spinal, and intra-articular adrenoceptors. <i>Pharmacological Reports</i> , <b>2019</b> , 71, 1095-1103	3.9	2
19	Central angiotensin-(1-7) attenuates systemic inflammation via activation of sympathetic signaling in endotoxemic rats. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 88, 606-618	16.6	2
18	Sepsis 2016 Agra, India. Agra, India. 5-6 February 2016. <i>Critical Care</i> , <b>2016</b> , 20 Suppl 1, 45	10.8	2
17	Infection and Sepsis. <i>NeuroImmune Biology</i> , <b>2010</b> , 309-320		2
16	SPLENECTOMY INACTIVATES THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY DURING LETHAL ENDOTOXEMIA AND POLYMICROBIAL SEPSIS. <i>Shock</i> , <b>2006</b> , 25, 65	3.4	2



15	Arousal effect and potential mechanism of dopamine-mediated acupuncture on traumatic brain injury <b>2021</b> , 1, 22-30		2
14	Novel Neuroprotective Potential of Crocin in Neurodegenerative Disorders: An Illustrated Mechanistic Review. <i>Neurochemical Research</i> , <b>2020</b> , 45, 2573-2585	4.6	2
13	Annexin A1 Tripeptide Mimetic Increases Sirtuin-3 and Augments Mitochondrial Function to Limit Ischemic Kidney Injury. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 683098	4.6	2
12	P2RX7 in Dopaminergic Neurons of Ventral Periaqueductal Gray Mediates HTWP Acupuncture-Induced Consciousness in Traumatic Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 598198	6.1	2
11	Annexin A1 tripeptide mimetic increases sirtuin-3 to augment mitochondrial function and limit ischemic kidney injury		1
10	Cholinergic stimulation with pyridostigmine modulates a heart-spleen axis after acute myocardial infarction in spontaneous hypertensive rats. <i>Scientific Reports</i> , <b>2021</b> , 11, 9563	4.9	1
9	PAC1 Receptor Mediates Electroacupuncture-Induced Neuro and Immune Protection During Cisplatin Chemotherapy. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 714244	8.4	1
8	Review of Perioperative Music Medicine: Mechanisms of Pain and Stress Reduction Around Surgery.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 821022	4.9	0
7	The Cholinergic Drug Pyridostigmine Alleviates Inflammation During LPS-Induced Acute Respiratory Distress Syndrome. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 624895	5.6	0
6	Electroacupuncture at ST36 () Prevents T-Cell Lymphopenia and Improves Survival in Septic Mice.. <i>Journal of Inflammation Research</i> , <b>2022</b> , 15, 2819-2833	4.8	0
5	Splenectomy inactivates the cholinergic antiinflammatory pathway during lethal endotoxemia and polymicrobial sepsis. <i>Journal of Cell Biology</i> , <b>2006</b> , 174, i1-i1	7.3	
4	Denervation of Peripheral Chemoreceptors Decreases Heart Rate During Bilateral Carotid Occlusion in Unanesthetized Rats. <i>FASEB Journal</i> , <b>2018</b> , 32, 714.11	0.9	
3	Pharmacological activation of the cholinergic system attenuates lung inflammation in a Murine Model of acute respiratory distress syndrome. <i>FASEB Journal</i> , <b>2019</b> , 33, lb623	0.9	
2	Association of CARD8 Activating Polymorphism With Bone Erosion in Cholesteatoma Patients. <i>Laryngoscope</i> , <b>2021</b> , 131, E605-E611	3.6	
1	The evolving conception and practice of acupuncture-moxibustion. <i>Journal of Acupuncture and Tuina Science</i> , <b>2018</b> , 16, 370-374	0.4	