Kevin J Tracey

List of Publications by Year in Descending Order

390 papers	66,735 citations	121 h-index	255 g-index
423 ext. papers	74,551 ext. citations	10.1 avg, IF	8.04 L-index

#	Paper	IF	Citations
390	HMGB1-Mediated Restriction of EPO Signaling Contributes to Anemia of Inflammation.. *Blood*, **2022**,	2.2	3
389	Oral famotidine versus placebo in non-hospitalised patients with COVID-19: a randomised, double-blind, data-intense, phase 2 clinical trial.. *Gut*, **2022**,	19.2	2
388	A fully implantable wireless bidirectional neuromodulation system for mice.. *Biosensors and Bioelectronics*, **2022**, 200, 113886	11.8	1
387	Vagus Nerve Stimulation: A Potential Therapeutic Role in Childhood Nephrotic Syndrome?. *American Journal of Nephrology*, **2022**, 1-7	4.6	0
386	Famotidine activates the vagus nerve inflammatory reflex to attenuate cytokine storm.. *Molecular Medicine*, **2022**, 28, 57	6.2	2
385	Human Dermcidin Protects Mice Against Hepatic Ischemia-Reperfusion-Induced Local and Remote Inflammatory Injury.. *Frontiers in Immunology*, **2021**, 12, 821154	8.4	1
384	Post-Translational Modification of HMGB1 Disulfide Bonds in Stimulating and Inhibiting Inflammation.. *Cells*, **2021**, 10,	7.9	4
383	Systemic administration of choline acetyltransferase decreases blood pressure in murine hypertension. *Molecular Medicine*, **2021**, 27, 133	6.2	0
382	The Cholinergic Drug Galantamine Alleviates Oxidative Stress Alongside Anti-inflammatory and Cardio-Metabolic Effects in Subjects With the Metabolic Syndrome in a Randomized Trial. *Frontiers in Immunology*, **2021**, 12, 613979	8.4	2
381	Targeted peripheral focused ultrasound stimulation attenuates obesity-induced metabolic and inflammatory dysfunctions. *Scientific Reports*, **2021**, 11, 5083	4.9	9
380	Monoclonal antibodies capable of binding SARS-CoV-2 spike protein receptor-binding motif specifically prevent GM-CSF induction. *Journal of Leukocyte Biology*, **2021**,	6.5	8
379	Development and characterization of a chronic implant mouse model for vagus nerve stimulation. *ELife*, **2021**, 10,	8.9	5
378	Hacking the inflammatory reflex. *Lancet Rheumatology, The*, **2021**, 3, e237-e239	14.2	0
377	Introduction: Electronic Medicine in Immunology Special Issue Part 1. *International Immunology*, **2021**, 33, 299-300	4.9	1
376	Possible inhibition of GM-CSF production by SARS-CoV-2 spike-based vaccines. *Molecular Medicine*, **2021**, 27, 49	6.2	4
375	The Cholinergic Drug Pyridostigmine Alleviates Inflammation During LPS-Induced Acute Respiratory Distress Syndrome. *Frontiers in Pharmacology*, **2021**, 12, 624895	5.6	0
374	The Fourth Bioelectronic Medicine Summit "Technology Targeting Molecular Mechanisms": current progress, challenges, and charting the future. *Bioelectronic Medicine*, **2021**, 7, 7	5.4	1

373	Redox modifications of cysteine residues regulate the cytokine activity of HMGB1. *Molecular Medicine*, **2021**, 27, 58	6.2	7
372	From human to mouse and back offers hope for patients with fibromyalgia. *Journal of Clinical Investigation*, **2021**, 131,	15.9	1
371	Transcutaneous auricular vagus nerve stimulation reduces pain and fatigue in patients with systemic lupus erythematosus: a randomised, double-blind, sham-controlled pilot trial. *Annals of the Rheumatic Diseases*, **2021**, 80, 203-208	2.4	22
370	HMGB1 released from nociceptors mediates inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	9
369	Evidence of Long-range nerve pathways connecting and coordinating activity in secondary lymph organs. *Bioelectronic Medicine*, **2020**, 6, 21	5.4	0
368	Identification of a brainstem locus that inhibits tumor necrosis factor. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29803-29810	11.5	28
367	Extracellular HMGB1: a therapeutic target in severe pulmonary inflammation including COVID-19?. *Molecular Medicine*, **2020**, 26, 42	6.2	121
366	The 7 nicotinic acetylcholine receptor agonist, GTS-21, attenuates hyperoxia-induced acute inflammatory lung injury by alleviating the accumulation of HMGB1 in the airways and the circulation. *Molecular Medicine*, **2020**, 26, 63	6.2	10
365	Identification of tetranectin-targeting monoclonal antibodies to treat potentially lethal sepsis. *Science Translational Medicine*, **2020**, 12,	17.5	12
364	Famotidine Use Is Associated With Improved Clinical Outcomes in Hospitalized COVID-19 Patients: A Propensity Score Matched Retrospective Cohort Study. *Gastroenterology*, **2020**, 159, 1129-1131.e3	13.3	152
363	Monoclonal Antibodies Capable of Binding SARS-CoV-2 Spike Protein Receptor Binding Motif Specifically Prevent GM-CSF Induction **2020**,		1
362	An impedance matching algorithm for common-mode interference removal in vagus nerve recordings. *Journal of Neuroscience Methods*, **2020**, 330, 108467	3	6
361	Bioelectronic Medicine: From Preclinical Studies on the Inflammatory Reflex to New Approaches in Disease Diagnosis and Treatment. *Cold Spring Harbor Perspectives in Medicine*, **2020**, 10,	5.4	30
360	Specific vagus nerve stimulation parameters alter serum cytokine levels in the absence of inflammation. *Bioelectronic Medicine*, **2020**, 6, 8	5.4	18
359	Roadmap for the Emerging Field of Cancer Neuroscience. *Cell*, **2020**, 181, 219-222	56.2	68
358	Auricular neural stimulation as a new non-invasive treatment for opioid detoxification. *Bioelectronic Medicine*, **2020**, 6, 7	5.4	11
357	An Effective Method for Acute Vagus Nerve Stimulation in Experimental Inflammation. *Frontiers in Neuroscience*, **2019**, 13, 877	5.1	17
356	HMGB1-C1q complexes regulate macrophage function by switching between leukotriene and specialized proresolving mediator biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 23254-23263	11.5	36

355	Enhanced Macrophage Pannexin 1 Expression and Hemichannel Activation Exacerbates Lethal Experimental Sepsis. *Scientific Reports*, **2019**, 9, 160	4.9	20
354	Optogenetic activation of fiber-specific compound action potentials in the mouse vagus nerve **2019** ,		2
353	Investigational treatment of rheumatoid arthritis with a vibrotactile device applied to the external ear. *Bioelectronic Medicine*, **2019**, 5, 4	5.4	31
352	Noninvasive sub-organ ultrasound stimulation for targeted neuromodulation. *Nature Communications*, **2019**, 10, 952	17.4	63
351	Forebrain Cholinergic Signaling Regulates Innate Immune Responses and Inflammation. *Frontiers in Immunology*, **2019**, 10, 585	8.4	28
350	Inhibition of HMGB1/RAGE-mediated endocytosis by HMGB1 antagonist box A, anti-HMGB1 antibodies, and cholinergic agonists suppresses inflammation. *Molecular Medicine*, **2019**, 25, 13	6.2	50
349	Therapeutic Targeting of High-Mobility Group Box-1 in Pulmonary Arterial Hypertension. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 1566-1569	10.2	15
348	Choline acetyltransferase-expressing T cells are required to control chronic viral infection. *Science*, **2019**, 363, 639-644	33.3	47
347	Peripheral Focused Ultrasound Stimulation (pFUS): New Competitor in Pharmaceutical Markets?. *SLAS Technology*, **2019**, 24, 448-452	3	4
346	Identification of hypoglycemia-specific neural signals by decoding murine vagus nerve activity. *Bioelectronic Medicine*, **2019**, 5, 9	5.4	16
345	Characterization of inflammation and insulin resistance in high-fat diet-induced male C57BL/6J mouse model of obesity. *Animal Models and Experimental Medicine*, **2019**, 2, 252-258	4.2	27
344	The Role of Sensory Nerves in Modulating Antigen Specific Immune Responses. *FASEB Journal*, **2019**, 33, 859.8	0.9	
343	High Intensity Focused Ultrasound Treatment Attenuates Disease Progression in a Mouse Model of Non-Alcoholic Steatohepatitis. *FASEB Journal*, **2019**, 33, 582.1	0.9	
342	Optogenetic Stimulation of Cholinergic Neurons in the Brainstem Induces Splenic Nerve Activity and Attenuates Systemic Inflammation. *FASEB Journal*, **2019**, 33, 740.5	0.9	
341	The microbiota regulate neuronal function and fear extinction learning. *Nature*, **2019**, 574, 543-548	50.4	161
340	Buprenorphine Markedly Elevates a Panel of Surrogate Markers in a Murine Model of Sepsis. *Shock*, **2019**, 52, 550-553	3.4	8
339	High mobility group box-1 induces pro-inflammatory signaling in human nucleus pulposus cells via toll-like receptor 4-dependent pathway. *Journal of Orthopaedic Research*, **2019**, 37, 220-231	3.8	25
338	Molecular and Functional Neuroscience in Immunity. *Annual Review of Immunology*, **2018**, 36, 783-812	34.7	178

337	Connexin 43 Hemichannel as a Novel Mediator of Sterile and Infectious Inflammatory Diseases. *Scientific Reports*, **2018**, 8, 166	4.9	32
336	Identification of ethyl pyruvate as a NLRP3 inflammasome inhibitor that preserves mitochondrial integrity. *Molecular Medicine*, **2018**, 24, 8	6.2	19
335	Standardization of methods to record Vagus nerve activity in mice. *Bioelectronic Medicine*, **2018**, 4, 3	5.4	25
334	Immunization Elicits Antigen-Specific Antibody Sequestration in Dorsal Root Ganglia Sensory Neurons. *Frontiers in Immunology*, **2018**, 9, 638	8.4	10
333	Identification of cytokine-specific sensory neural signals by decoding murine vagus nerve activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E4843-E4852	11.5	87
332	Exploring the biological functional mechanism of the HMGB1/TLR4/MD-2 complex by surface plasmon resonance. *Molecular Medicine*, **2018**, 24, 21	6.2	29
331	Adenylyl Cyclase 6 Mediates Inhibition of TNF in the Inflammatory Reflex. *Frontiers in Immunology*, **2018**, 9, 2648	8.4	27
330	Aerobic Exercise Training and Inducible Inflammation: Results of a Randomized Controlled Trial in Healthy, Young Adults. *Journal of the American Heart Association*, **2018**, 7, e010201	6	17
329	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. *Immunity*, **2018**, 49, 740-753.e7	32.3	217
328	Neurons Are the Inflammatory Problem. *Cell*, **2018**, 173, 1066-1068	56.2	8
327	Neural regulation of immunity: molecular mechanisms and clinical translation. *Nature Neuroscience*, **2017**, 20, 156-166	25.5	237
326	Essential Neuroscience in Immunology. *Journal of Immunology*, **2017**, 198, 3389-3397	5.3	75
325	The haptoglobin beta subunit sequesters HMGB1 toxicity in sterile and infectious inflammation. *Journal of Internal Medicine*, **2017**, 282, 76-93	10.8	21
324	Mechanisms and Therapeutic Relevance of Neuro-immune Communication. *Immunity*, **2017**, 46, 927-942	32.3	290
323	Targeting neural reflex circuits in immunity to treat kidney disease. *Nature Reviews Nephrology*, **2017**, 13, 669-680	14.9	41
322	Bioelectronic medicine: technology targeting molecular mechanisms for therapy. *Journal of Internal Medicine*, **2017**, 282, 3-4	10.8	42
321	New melanocortin-like peptide of can suppress inflammation via the mammalian melanocortin-1 receptor (MC1R): possible endocrine-like function for microbes of the gut. *Npj Biofilms and Microbiomes*, **2017**, 3, 31	8.2	14
320	Forebrain Cholinergic Dysfunction and Systemic and Brain Inflammation in Murine Sepsis Survivors. *Frontiers in Immunology*, **2017**, 8, 1673	8.4	41

319	Galantamine alleviates inflammation and insulin resistance in patients with metabolic syndrome in a randomized trial. *JCI Insight*, **2017**, 2,	9.9	36
318	Obesity paradox, obesity orthodox, and the metabolic syndrome: An approach to unity. *Molecular Medicine*, **2017**, 22, 873-885	6.2	28
317	A novel PINK1- and PARK2-dependent protective neuroimmune pathway in lethal sepsis. *Autophagy*, **2016**, 12, 2374-2385	10.2	53
316	Reflexes in Immunity. *Cell*, **2016**, 164, 343-4	56.2	44
315	Novel strategies for targeting innate immune responses to influenza. *Mucosal Immunology*, **2016**, 9, 1173-82	7.8	51
314	In-vivo evidence that high mobility group box 1 exerts deleterious effects in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model and Parkinson's disease which can be attenuated by glycyrrhizin. *Neurobiology of Disease*, **2016**, 91, 59-68	7.5	52
313	Regulation of Posttranslational Modifications of HMGB1 During Immune Responses. *Antioxidants and Redox Signaling*, **2016**, 24, 620-34	8.4	69
312	HMGB1 Mediates Anemia of Inflammation in Murine Sepsis Survivors. *Molecular Medicine*, **2016**, 21, 951-958	6.2	37
311	Identification of CD163 as an antiinflammatory receptor for HMGB1-haptoglobin complexes. *JCI Insight*, **2016**, 1,	9.9	67
310	High-Density Lipoprotein (HDL) Counter-Regulates Serum Amyloid A (SAA)-Induced sPLA2-IIE and sPLA2-V Expression in Macrophages. *PLoS ONE*, **2016**, 11, e0167468	3.7	20
309	Cytokine-specific Neurograms in the Sensory Vagus Nerve. *Bioelectronic Medicine*, **2016**, 3, 7-17	5.4	44
308	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. *Blood*, **2016**, 128, 702-702	2.2	
307	Neuronal Circuits Modulate Antigen Flow Through Lymph Nodes. *Bioelectronic Medicine*, **2016**, 3, 18-28	5.4	17
306	Emetine Di-HCl Attenuates Type 1 Diabetes Mellitus in Mice. *Molecular Medicine*, **2016**, 22, 585-596	6.2	3
305	Cytokine-specific Neurograms in the Sensory Vagus Nerve. *Bioelectronic Medicine*, **2016**, 3, 7-17	5.4	64
304	Vagus nerve stimulation inhibits cytokine production and attenuates disease severity in rheumatoid arthritis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 8284-9	11.5	495
303	C1q and HMGB1 reciprocally regulate human macrophage polarization. *Blood*, **2016**, 128, 2218-2228	2.2	78
302	A novel high mobility group box 1 neutralizing chimeric antibody attenuates drug-induced liver injury and postinjury inflammation in mice. *Hepatology*, **2016**, 64, 1699-1710	11.2	76

301	Blood pressure regulation by CD4 lymphocytes expressing choline acetyltransferase. *Nature Biotechnology*, **2016**, 34, 1066-1071	44.5	47
300	DAMP signaling is a key pathway inducing immune modulation after brain injury. *Journal of Neuroscience*, **2015**, 35, 583-98	6.6	196
299	Sepsis: a roadmap for future research. *Lancet Infectious Diseases, The*, **2015**, 15, 581-614	25.5	616
298	Shock Medicine. *Scientific American*, **2015**, 312, 28-35	0.5	27
297	Neural circuitry and immunity. *Immunologic Research*, **2015**, 63, 38-57	4.3	159
296	HMGB1-Driven Inflammation and Intimal Hyperplasia After Arterial Injury Involves Cell-Specific Actions Mediated by TLR4. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 2579-93	9.4	46
295	Xanomeline suppresses excessive pro-inflammatory cytokine responses through neural signal-mediated pathways and improves survival in lethal inflammation. *Brain, Behavior, and Immunity*, **2015**, 44, 19-27	16.6	52
294	Serum Amyloid A Stimulates PKR Expression and HMGB1 Release Possibly through TLR4/RAGE Receptors. *Molecular Medicine*, **2015**, 21, 515-25	6.2	22
293	Single-Pulse and Unidirectional Electrical Activation of the Cervical Vagus Nerve Reduces Tumor Necrosis Factor in Endotoxemia. *Bioelectronic Medicine*, **2015**, 2, 37-42	5.4	48
292	The HIV Protease Inhibitor Saquinavir Inhibits HMGB1-Driven Inflammation by Targeting the Interaction of Cathepsin V with TLR4/MyD88. *Molecular Medicine*, **2015**, 21, 749-757	6.2	13
291	Galantamine Attenuates Type 1 Diabetes and Inhibits Anti-Insulin Antibodies in Nonobese Diabetic Mice. *Molecular Medicine*, **2015**, 21, 702-708	6.2	24
290	MD-2 is required for disulfide HMGB1-dependent TLR4 signaling. *Journal of Experimental Medicine*, **2015**, 212, 5-14	16.6	214
289	Stress induces the danger-associated molecular pattern HMGB-1 in the hippocampus of male Sprague Dawley rats: a priming stimulus of microglia and the NLRP3 inflammasome. *Journal of Neuroscience*, **2015**, 35, 316-24	6.6	147
288	Brain region-specific alterations in the gene expression of cytokines, immune cell markers and cholinergic system components during peripheral endotoxin-induced inflammation. *Molecular Medicine*, **2015**, 20, 601-11	6.2	58
287	Cholinergic Stimulation Improves Hemostasis in a Hemophilia Mouse Model. *Blood*, **2015**, 126, 3528-3528	11.2	3
286	Approaching the next revolution? Evolutionary integration of neural and immune pathogen sensing and response. *Cold Spring Harbor Perspectives in Biology*, **2014**, 7, a016360	10.2	14
285	Sepsis: current dogma and new perspectives. *Immunity*, **2014**, 40, 463-75	32.3	397
284	A distinct vagal anti-inflammatory pathway modulates intestinal muscularis resident macrophages independent of the spleen. *Gut*, **2014**, 63, 938-48	19.2	251

283	Hypertension: an immune disorder?. *Immunity*, **2014**, 41, 673-4	32.3	8
282	JAK/STAT1 signaling promotes HMGB1 hyperacetylation and nuclear translocation. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3068-73	11.5	245
281	HMGB1 enhances immune suppression by facilitating the differentiation and suppressive activity of myeloid-derived suppressor cells. *Cancer Research*, **2014**, 74, 5723-33	10.1	151
280	A systematic nomenclature for the redox states of high mobility group box (HMGB) proteins. *Molecular Medicine*, **2014**, 20, 135-7	6.2	83
279	High-mobility group box 1 protein initiates postoperative cognitive decline by engaging bone marrow-derived macrophages. *Anesthesiology*, **2014**, 120, 1160-7	4.3	96
278	Molecular Medicine commemorates the career and science of Anthony Cerami. *Molecular Medicine*, **2014**, 20 Suppl 1, S1	6.2	
277	7 nicotinic acetylcholine receptor signaling inhibits inflammasome activation by preventing mitochondrial DNA release. *Molecular Medicine*, **2014**, 20, 350-8	6.2	124
276	The Revolutionary Future of Bioelectronic Medicine. *Bioelectronic Medicine*, **2014**, 1, 1-1	5.4	6
275	Molecular mechanism and therapeutic modulation of high mobility group box 1 release and action: an updated review. *Expert Review of Clinical Immunology*, **2014**, 10, 713-27	5.1	96
274	The functions of HMGB1 depend on molecular localization and post-translational modifications. *Journal of Internal Medicine*, **2014**, 276, 420-4	10.8	61
273	Bacteria and the neural code. *New England Journal of Medicine*, **2014**, 371, 2131-3	59.2	10
272	Lymphocyte called home: 2-adreneric neurotransmission confines T cells to lymph nodes to suppress inflammation. *Journal of Experimental Medicine*, **2014**, 211, 2483-4	16.6	7
271	Intracellular Hmgb1 inhibits inflammatory nucleosome release and limits acute pancreatitis in mice. *Gastroenterology*, **2014**, 146, 1097-107	13.3	151
270	Central cholinergic activation of a vagus nerve-to-spleen circuit alleviates experimental colitis. *Mucosal Immunology*, **2014**, 7, 335-47	9.2	139
269	Sequestering HMGB1 via DNA-conjugated beads ameliorates murine colitis. *PLoS ONE*, **2014**, 9, e103992	3.7	13
268	Central muscarinic cholinergic activation alters interaction between splenic dendritic cell and CD4+CD25- T cells in experimental colitis. *PLoS ONE*, **2014**, 9, e109272	3.7	55
267	All-Thiol HMGB1 Is a Critical Inducer of Anemia in Sepsis Survivors through CXCR4 Signaling. *Blood*, **2014**, 124, 2672-2672	2.2	
266	HMGB1 mediates splenomegaly and expansion of splenic CD11b+ Ly-6C(high) inflammatory monocytes in murine sepsis survivors. *Journal of Internal Medicine*, **2013**, 274, 381-90	10.8	58

265	Systemic release of high mobility group box 1 (HMGB1) protein is associated with severe and fatal Plasmodium falciparum malaria. *Malaria Journal*, **2013**, 12, 105	3.6	30
264	Cold-inducible RNA-binding protein (CIRP) triggers inflammatory responses in hemorrhagic shock and sepsis. *Nature Medicine*, **2013**, 19, 1489-1495	50.5	214
263	High-mobility group box 1 and the receptor for advanced glycation end products contribute to lung injury during Staphylococcus aureus pneumonia. *Critical Care*, **2013**, 17, R296	10.8	37
262	Sepsis definitions - Authors' reply. *Lancet, The*, **2013**, 381, 2250	40	5
261	The many faces of HMGB1: molecular structure-functional activity in inflammation, apoptosis, and chemotaxis. *Journal of Leukocyte Biology*, **2013**, 93, 865-73	6.5	359
260	Regulation of HMGB1 release by inflammasomes. *Protein and Cell*, **2013**, 4, 163-7	7.2	120
259	Sepsis definitions: time for change. *Lancet, The*, **2013**, 381, 774-5	40	451
258	Drug discovery: a jump-start for electroceuticals. *Nature*, **2013**, 496, 159-61	50.4	403
257	High Mobility Group Box-1 mediates hyperoxia-induced impairment of Pseudomonas aeruginosa clearance and inflammatory lung injury in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 48, 280-7	5.7	59
256	High-mobility group box 1 mediates persistent splenocyte priming in sepsis survivors: evidence from a murine model. *Shock*, **2013**, 40, 492-5	3.4	38
255	Lymphocyte-derived ACh regulates local innate but not adaptive immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1410-5	11.5	132
254	Green tea catechins quench the fluorescence of bacteria-conjugated Alexa fluor dyes. *Inflammation and Allergy: Drug Targets*, **2013**, 12, 308-14		10
253	Editorial. *Molecular Medicine*, **2013**, 19, 333	6.2	1
252	Identification of pharmacological modulators of HMGB1-induced inflammatory response by cell-based screening. *PLoS ONE*, **2013**, 8, e65994	3.7	27
251	HMGB1 Is a Key Modulator Of Stress Erythropoiesis During Sepsis. *Blood*, **2013**, 122, 8-8	2.2	2
250	Rethinking inflammation: neural circuits in the regulation of immunity. *Immunological Reviews*, **2012**, 248, 188-204	11.3	263
249	The vagus nerve and the inflammatory reflex--linking immunity and metabolism. *Nature Reviews Endocrinology*, **2012**, 8, 743-54	15.2	459
248	Neural reflexes in inflammation and immunity. *Journal of Experimental Medicine*, **2012**, 209, 1057-68	16.6	245

247	Alarmins: awaiting a clinical response. *Journal of Clinical Investigation*, **2012**, 122, 2711-9	15.9	347
246	Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. *Journal of Experimental Medicine*, **2012**, 209, 1519-28	16.6	472
245	7 nicotinic acetylcholine receptor (7nAChR) expression in bone marrow-derived non-T cells is required for the inflammatory reflex. *Molecular Medicine*, **2012**, 18, 539-43	6.2	104
244	Neural signaling in the spleen controls B-cell responses to blood-borne antigen. *Molecular Medicine*, **2012**, 18, 618-27	6.2	53
243	Immune cells exploit a neural circuit to enter the CNS. *Cell*, **2012**, 148, 392-4	56.2	29
242	Tanshinone IIA sodium sulfonate facilitates endocytic HMGB1 uptake. *Biochemical Pharmacology*, **2012**, 84, 1492-500	6	41
241	RAGE does not contribute to renal injury and damage upon ischemia/reperfusion-induced injury. *Journal of Innate Immunity*, **2012**, 4, 80-5	6.9	17
240	Renal expression and serum levels of high mobility group box 1 protein in lupus nephritis. *Arthritis Research and Therapy*, **2012**, 14, R36	5.7	53
239	Response to HMGB1 Mediates Cognitive Impairment in Sepsis Survivors *Molecular Medicine*, **2012** , 18, 1359-1359	6.2	1
238	Inhibition of high-mobility group box 1 protein (HMGB1) enhances bacterial clearance and protects against Pseudomonas Aeruginosa pneumonia in cystic fibrosis. *Molecular Medicine*, **2012**, 18, 477-85	6.2	74
237	Identification of pigment epithelium-derived factor as an adipocyte-derived inflammatory factor. *Molecular Medicine*, **2012**, 18, 1161-8	6.2	34
236	HMGB1 mediates cognitive impairment in sepsis survivors. *Molecular Medicine*, **2012**, 18, 930-7	6.2	143
235	Reflex principles of immunological homeostasis. *Annual Review of Immunology*, **2012**, 30, 313-35	34.7	268
234	Novel role of PKR in inflammasome activation and HMGB1 release. *Nature*, **2012**, 488, 670-4	50.4	542
233	Identification of hemopexin as an anti-inflammatory factor that inhibits synergy of hemoglobin with HMGB1 in sterile and infectious inflammation. *Journal of Immunology*, **2012**, 189, 2017-22	5.3	64
232	The pro-inflammatory effect of HMGB1, a mediator of inflammation in arthritis, is dependent on the redox status of the protein. *Annals of the Rheumatic Diseases*, **2012**, 71, A81.2-A82	2.4	1
231	Redox modification of cysteine residues regulates the cytokine activity of high mobility group box-1 (HMGB1). *Molecular Medicine*, **2012**, 18, 250-9	6.2	337
230	A new approach to rheumatoid arthritis: treating inflammation with computerized nerve stimulation. *Cerebrum: the Dana Forum on Brain Science*, **2012**, 2012, 3	0	7

229	Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. *Journal of General Physiology*, **2012**, 140, i3-i3	3.4	
228	A hepatic protein, fetuin-A, occupies a protective role in lethal systemic inflammation. *PLoS ONE*, **2011**, 6, e16945	3.7	96
227	HMGB1 is a therapeutic target for sterile inflammation and infection. *Annual Review of Immunology*, **2011**, 29, 139-62	34.7	999
226	Cell biology. Ancient neurons regulate immunity. *Science*, **2011**, 332, 673-4	33.3	19
225	Mapping the immunological homunculus. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3461-2	11.5	22
224	Acetylcholine-synthesizing T cells relay neural signals in a vagus nerve circuit. *Science*, **2011**, 334, 98-101	33.3	881
223	Galantamine alleviates inflammation and other obesity-associated complications in high-fat diet-fed mice. *Molecular Medicine*, **2011**, 17, 599-606	6.2	81
222	High-mobility group box-1 protein (HMGB1) is increased in antineutrophilic cytoplasmatic antibody (ANCA)-associated vasculitis with renal manifestations. *Molecular Medicine*, **2011**, 17, 29-35	6.2	43
221	Molecular basis of applied biological therapeutics. *Journal of Internal Medicine*, **2011**, 269, 2-7	10.8	3
220	The pulse of inflammation: heart rate variability, the cholinergic anti-inflammatory pathway and implications for therapy. *Journal of Internal Medicine*, **2011**, 269, 45-53	10.8	208
219	EGCG stimulates autophagy and reduces cytoplasmic HMGB1 levels in endotoxin-stimulated macrophages. *Biochemical Pharmacology*, **2011**, 81, 1152-63	6	127
218	It takes guts to grow a brain: Increasing evidence of the important role of the intestinal microflora in neuro- and immune-modulatory functions during development and adulthood. *BioEssays*, **2011**, 33, 588-91	4.1	46
217	Thyroxine is a potential endogenous antagonist of macrophage migration inhibitory factor (MIF) activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8224-7	11.5	37
216	Cardiopulmonary arrest and resuscitation disrupts cholinergic anti-inflammatory processes: a role for cholinergic α7 nicotinic receptors. *Journal of Neuroscience*, **2011**, 31, 3446-52	6.6	48
215	Whole blood cytokine attenuation by cholinergic agonists ex vivo and relationship to vagus nerve activity in rheumatoid arthritis. *Journal of Internal Medicine*, **2010**, 268, 94-101	10.8	64
214	HMGB1 release and redox regulates autophagy and apoptosis in cancer cells. *Oncogene*, **2010**, 29, 5299-310	7.2	362
213	Peripheral administration of fetuin-A attenuates early cerebral ischemic injury in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2010**, 30, 493-504	7.3	54
212	Understanding immunity requires more than immunology. *Nature Immunology*, **2010**, 11, 561-4	19.1	119

211	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. *PLoS ONE*, **2010**, 5, e9867	3.7	8
210	A critical cysteine is required for HMGB1 binding to Toll-like receptor 4 and activation of macrophage cytokine release. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11942-7	11.5	581
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4	First-in-human demonstration of splenic ultrasound stimulation for non-invasively controlling inflammation		2
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