

# Mark R. Hutchinson

## List of Publications by Year in Descending Order

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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.

185  
papers

8,462  
citations

46  
h-index

88  
g-index

212  
ext. papers

9,861  
ext. citations

7.5  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
185	Toll-Like Receptors change morphine-induced antinociception, tolerance and dependence: studies using male and female TLR and Signalling gene KO mice.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> ,	16.6	1
184	Toll-Like Receptor 4 in Pain: Bridging Molecules-to-Cells-to-Systems.. <i>Handbook of Experimental Pharmacology</i> , <b>2022</b> , 1	3.2	
183	Glial-modulating agents for the treatment of pain: protocol for a systematic review.. <i>BMJ Open</i> , <b>2022</b> , 12, e055713	3	
182	Study protocol: an observational study of distress, immune function and persistent pain in HIV. <i>BMJ Open</i> , <b>2022</b> , 12, e059723	3	
181	Androgens, Endometriosis and Pain. <i>Frontiers in Reproductive Health</i> , <b>2021</b> , 3,	1.4	3
180	Evolving Expectations of the Orthopedic Team Physician: Managing the Sidelines and Landmines. <i>Current Sports Medicine Reports</i> , <b>2021</b> , 20, 553-561	1.9	1
179	Autofluorescent imprint of chronic constriction nerve injury identified by deep learning. <i>Neurobiology of Disease</i> , <b>2021</b> , 160, 105528	7.5	0
178	The Relationship Between Androgens and Days per Month of Period Pain, Pelvic Pain, Headache, and TLR4 Responsiveness of Peripheral Blood Mononuclear Cells in Young Women with Dysmenorrhoea. <i>Journal of Pain Research</i> , <b>2021</b> , 14, 585-599	2.9	2
177	Nicotine and its metabolite cotinine target MD2 and inhibit TLR4 signaling. <i>Innovation(China)</i> , <b>2021</b> , 2, 100111	17.8	3
176	Neuroimmune reactivity marker expression in rodent models of chemotherapy-induced cognitive impairment: A systematic scoping review. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 94, 392-409	16.6	4
175	Effects of Mild and Moderate Monoclonal Antibody Dose on Inflammation, Bone Loss, and Activation of the Central Nervous System in a Female Collagen Antibody-induced Arthritis Mouse Model. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2021</b> , 69, 511-522	3.4	0
174	Evaluation of miRNA as Biomarkers of Emotional Valence in Pigs. <i>Animals</i> , <b>2021</b> , 11,	3.1	1
173	The Neuroimmunology of Chronic Pain: From Rodents to Humans. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 855-865	6.6	18
172	Graded peripheral nerve injury creates mechanical allodynia proportional to the progression and severity of microglial activity within the spinal cord of male mice. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 91, 568-577	16.6	4
171	Gender inequality in publishing during the COVID-19 pandemic. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 91, 1-3	16.6	23
170	Artemisinin inhibits TLR4 signaling by targeting co-receptor MD2 in microglial BV-2 cells and prevents lipopolysaccharide-induced blood-brain barrier leakage in mice. <i>Journal of Neurochemistry</i> , <b>2021</b> , 157, 611-623	6	4
169	Neuroimmunological complications arising from chemotherapy-induced gut toxicity and opioid exposure in female dark agouti rats. <i>Journal of Neuroscience Research</i> , <b>2021</b> ,	4.4	1

168	Intrathecal implantation surgical considerations in rodents; a review. <i>Journal of Neuroscience Methods</i> , <b>2021</b> , 363, 109327	3	
167	TLR4 biased small molecule modulators. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 228, 107918	13.9	3
166	BrainPhys neuronal medium optimized for imaging and optogenetics in vitro. <i>Nature Communications</i> , <b>2020</b> , 11, 5550	17.4	5
165	Assessing the Effects of Parthenolide on Inflammation, Bone Loss, and Glial Cells within a Collagen Antibody-Induced Arthritis Mouse Model. <i>Mediators of Inflammation</i> , <b>2020</b> , 2020, 6245798	4.3	6
164	Zerumbone Modulates $\beta$ Adrenergic, TRPV1, and NMDA NR2B Receptors Plasticity in CCI-Induced Neuropathic Pain and LPS-Induced SH-SY5Y Neuroblastoma Models. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 92	5.6	12
163	Stimulation of water and calcium dynamics in astrocytes with pulsed infrared light. <i>FASEB Journal</i> , <b>2020</b> , 34, 6539-6553	0.9	9
162	Toll-Like Receptor Responsiveness of Peripheral Blood Mononuclear Cells in Young Women with Dysmenorrhea. <i>Journal of Pain Research</i> , <b>2020</b> , 13, 503-516	2.9	3
161	Small-Molecule Modulators of Toll-like Receptors. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 1046-1055	24.3	46
160	Psychoneuroimmunology goes East: Development of the PNIRS affiliate and its expansion into PNIRS. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 88, 75-87	16.6	2
159	Silk: A bio-derived coating for optical fiber sensing applications. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 311, 127864	8.5	13
158	Toll-Like Receptor-4 Antagonist (+)-Naltrexone Protects Against Carbamyl-Platelet Activating Factor (cPAF)-Induced Preterm Labor in Mice. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 1030-1045	5.8	10
157	In vivo intrathecal IL-1 $\beta$ quantification in rats: Monitoring the molecular signals of neuropathic pain. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 88, 442-450	16.6	6
156	Science convergence applied to psychoneuroimmunology: The future of measurement and imaging. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 88, 262-269	16.6	1
155	Chronic Morphine-Induced Changes in Signaling at the A Adenosine Receptor Contribute to Morphine-Induced Hyperalgesia, Tolerance, and Withdrawal. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 374, 331-341	4.7	18
154	Naturally-diverse airborne environmental microbial exposures modulate the gut microbiome and may provide anxiolytic benefits in mice. <i>Science of the Total Environment</i> , <b>2020</b> , 701, 134684	10.2	46
153	A Method for in Vivo Quantification Of Cytokine IL-1 $\beta$ In The Rat Intrathecal Space.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 539-546	4.1	6
152	Acute stress induces the rapid and transient induction of caspase-1, gasdermin D and release of constitutive IL-1 $\beta$ protein in dorsal hippocampus. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 90, 70-80	16.6	3
151	Sphingosine-1-phosphate receptor subtype 1 activation in the central nervous system contributes to morphine withdrawal in rodents. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 314	10.1	2

150	Dynamic in vivo protein carbonyl biosensor for measuring oxidative stress. <i>Medical Devices &amp; Sensors</i> , <b>2020</b> , 3, e10135	1.6	
149	Are the protective benefits of vitamin D in neurodegenerative disease dependent on route of administration? A systematic review. <i>Nutritional Neuroscience</i> , <b>2020</b> , 23, 251-280	3.6	8
148	Lipopolysaccharide and Morphine-3-Glucuronide-Induced Immune Signalling Increases the Expression of Polysialic Acid in PC12 Cells. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 964-975	6.2	2
147	Targeting Toll-like receptor-4 to tackle preterm birth and fetal inflammatory injury. <i>Clinical and Translational Immunology</i> , <b>2020</b> , 9, e1121	6.8	6
146	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells. <i>IScience</i> , <b>2019</b> , 20, 137-147	6.1	13
145	Lovastatin inhibits Toll-like receptor 4 signaling in microglia by targeting its co-receptor myeloid differentiation protein 2 and attenuates neuropathic pain. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 82, 432-444	16.6	19
144	Minocycline attenuates 3,4-methylenedioxymethamphetamine-induced hyperthermia in the rat brain. <i>European Journal of Pharmacology</i> , <b>2019</b> , 858, 172495	5.3	2
143	Visualizing neuroinflammation with fluorescence and luminescent lanthanide-based in situ hybridization. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 65	10.1	5
142	Spinal Glial Adaptations Occur in a Minimally Invasive Mouse Model of Endometriosis: Potential Implications for Lesion Etiology and Persistent Pelvic Pain. <i>Reproductive Sciences</i> , <b>2019</b> , 26, 357-369	3	10
141	Review: What innovations in pain measurement and control might be possible if we could quantify the neuroimmune synapse?. <i>Animal</i> , <b>2019</b> , 13, 3000-3008	3.1	1
140	Methamphetamine Activates Toll-Like Receptor 4 to Induce Central Immune Signaling within the Ventral Tegmental Area and Contributes to Extracellular Dopamine Increase in the Nucleus Accumbens Shell. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 3622-3634	5.7	31
139	Stereochemistry and innate immune recognition: (+)-norbinaltorphimine targets myeloid differentiation protein 2 and inhibits toll-like receptor 4 signaling. <i>FASEB Journal</i> , <b>2019</b> , 33, 9577-9587	0.9	12
138	Toll-Like Receptor-4 Antagonist (+)-Naloxone Confers Sexually Dimorphic Protection From Inflammation-Induced Fetal Programming in Mice. <i>Endocrinology</i> , <b>2019</b> , 160, 2646-2662	4.8	8
137	Postbreeding Habitat Use by Golden-Cheeked Warblers ( <i>Setophaga chrysoparia</i> ). <i>Western North American Naturalist</i> , <b>2019</b> , 79, 337	0.4	0
136	Improved method for optical fiber temperature probe implantation in brains of free-moving rats. <i>Journal of Neuroscience Methods</i> , <b>2019</b> , 313, 24-28	3	7
135	Spiropyran-Based Nanocarrier: A New Zn <sup>2+</sup> -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 854-862	4.8	11
134	An optical fiber based immunosensor for localized detection of IL-1 $\beta$ in rat spinal cord. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 122-129	8.5	9
133	Dissecting the Innate Immune Recognition of Opioid Inactive Isomer (+)-Naltrexone Derived Toll-like Receptor 4 (TLR4) Antagonists. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 816-825	6.1	24

132	A novel platform for in vivo detection of cytokine release within discrete brain regions. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 71, 18-22	16.6	21
131	Differential effect of morphine on gastrointestinal transit, colonic contractions and nerve-evoked relaxations in Toll-Like Receptor deficient mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 5923	4.9	7
130	The importance of knowing you are sick: Nanoscale biophotonics for the better brain. <i>Microelectronic Engineering</i> , <b>2018</b> , 187-188, 101-104	2.5	3
129	Antagonising TLR4-TRIF signalling before or after a low-dose alcohol binge during adolescence prevents alcohol drinking but not seeking behaviour in adulthood. <i>Neuropharmacology</i> , <b>2018</b> , 128, 460-473	5.5	8
128	The efficacy of (+)-Naltrexone on alcohol preference and seeking behaviour is dependent on light-cycle. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 67, 181-193	16.6	7
127	Corticosterone Preexposure Increases NF- $\kappa$ B Translocation and Sensitizes IL-1 $\beta$ Responses in BV2 Microglia-Like Cells. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 3	8.4	11
126	From the Bottom-Up: Chemotherapy and Gut-Brain Axis Dysregulation. <i>Frontiers in Behavioral Neuroscience</i> , <b>2018</b> , 12, 104	3.5	43
125	Can neuroimmune mechanisms explain the link between ultraviolet light (UV) exposure and addictive behavior?. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 73, 125-132	16.6	0
124	Toll-like Receptor-4: A New Target for Preterm Labour Pharmacotherapies?. <i>Current Pharmaceutical Design</i> , <b>2018</b> , 24, 960-973	3.3	15
123	Neuroimmunological Manifestations of Chemotherapy Exposure: Implications for Mucositis, Glia and Cognition <b>2018</b> , 02,		1
122	Graphene Oxide Based Recyclable in Vivo Device for Amperometric Monitoring of Interferon- $\gamma$ Inflammatory Mice. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33078-33087	9.5	20
121	Perspective: Biomedical sensing and imaging with optical fibers Innovation through convergence of science disciplines. <i>APL Photonics</i> , <b>2018</b> , 3, 100902	5.2	22
120	Neuroimmunopharmacology at the Interface of Inflammation and Pharmacology Relevant to Depression <b>2018</b> , 223-240		
119	Graphene quantum dot based "switch-on" nanosensors for intracellular cytokine monitoring. <i>Nanoscale</i> , <b>2017</b> , 9, 4934-4943	7.7	27
118	Sensitive Cytokine Assay Based on Optical Fiber Allowing Localized and Spatially Resolved Detection of Interleukin-6. <i>ACS Sensors</i> , <b>2017</b> , 2, 218-226	9.2	29
117	Constriction of the buccal branch of the facial nerve produces unilateral craniofacial allodynia. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 64, 59-64	16.6	3
116	Ibudilast reduces oxaliplatin-induced tactile allodynia and cognitive impairments in rats. <i>Behavioural Brain Research</i> , <b>2017</b> , 334, 109-118	3.4	13
115	Fluorescence brightness and photostability of individual copper (I) oxide nanocubes. <i>Scientific Reports</i> , <b>2017</b> , 7, 16905	4.9	6

114	Three new species of Stiphornis (Aves: Muscicapidae) from the Afro-tropics, with a molecular phylogenetic assessment of the genus. <i>Systematics and Biodiversity</i> , <b>2017</b> , 15, 87-104	1.7	7
113	Measuring and tracking vitamin B12: A review of current methods with a focus on optical spectroscopy. <i>Applied Spectroscopy Reviews</i> , <b>2017</b> , 52, 439-455	4.5	10
112	Lesion development is modulated by the natural estrous cycle and mouse strain in a minimally invasive model of endometriosis. <i>Biology of Reproduction</i> , <b>2017</b> , 97, 810-821	3.9	11
111	Biophotonics: the big picture. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 23, 1-7	3.5	18
110	Morphine amplifies mechanical allodynia via TLR4 in a rat model of spinal cord injury. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 58, 348-356	16.6	49
109	Glial contributions to visceral pain: implications for disease etiology and the female predominance of persistent pain. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e888	8.6	32
108	Portable optical fiber probe for in vivo brain temperature measurements. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3069-77	3.5	39
107	Novel Toll-like receptor-4 antagonist (+)-naloxone protects mice from inflammation-induced preterm birth. <i>Scientific Reports</i> , <b>2016</b> , 6, 36112	4.9	40
106	Nitroxidative Signaling Mechanisms in Pathological Pain. <i>Trends in Neurosciences</i> , <b>2016</b> , 39, 862-879	13.3	64
105	Ethnicity-dependent influence of innate immune genetic markers on morphine PCA requirements and adverse effects in postoperative pain. <i>Pain</i> , <b>2016</b> , 157, 2458-2466	8	17
104	Recent advances in cytokine detection by immunosensing. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 810-211.8	11.8	85
103	Drug addiction: targeting dynamic neuroimmune receptor interactions as a potential therapeutic strategy. <i>Current Opinion in Pharmacology</i> , <b>2016</b> , 26, 131-7	5.1	20
102	Chemotherapy-induced gut toxicity and pain: involvement of TLRs. <i>Supportive Care in Cancer</i> , <b>2016</b> , 24, 2251-2258	3.9	19
101	Hyperspectral imaging of endogenous fluorescent metabolic molecules to identify pain states in central nervous system tissue <b>2016</b> ,		1
100	The role of Toll-like receptor 4 (TLR4) in cardiac ischaemic-reperfusion injury, cardioprotection and preconditioning. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2016</b> , 43, 864-71	3	24
99	Pharmacological characterization of the opioid inactive isomers (+)-naltrexone and (+)-naloxone as antagonists of toll-like receptor 4. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 856-69	8.6	99
98	Local and Systemic Inflammation in Localized, Provoked Vestibulodynia: A Systematic Review. <i>Obstetrics and Gynecology</i> , <b>2016</b> , 128, 337-47	4.9	16
97	Irinotecan-Induced Gastrointestinal Dysfunction and Pain Are Mediated by Common TLR4-Dependent Mechanisms. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 1376-86	6.1	72

96	Novel imaging tools for investigating the role of immune signalling in the brain. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 58, 40-47	16.6	11
95	Toll-Like Receptor 4 Is an Essential Upstream Regulator of On-Time Parturition and Perinatal Viability in Mice. <i>Endocrinology</i> , <b>2015</b> , 156, 3828-41	4.8	38
94	Amitriptyline pharmacologically preconditions rat hearts against cardiac ischemic-reperfusion injury. <i>International Journal of Cardiology</i> , <b>2015</b> , 190, 353-9	3.2	8
93	Mouse models of mastitis - how physiological are they?. <i>International Breastfeeding Journal</i> , <b>2015</b> , 10, 12	3.8	11
92	The relationship between opioids and immune signalling in the spinal cord. <i>Handbook of Experimental Pharmacology</i> , <b>2015</b> , 227, 207-38	3.2	13
91	Select steroid hormone glucuronide metabolites can cause toll-like receptor 4 activation and enhanced pain. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 44, 128-36	16.6	11
90	Poster Sessions Monday/Tuesday. <i>Journal of Neurochemistry</i> , <b>2015</b> , 134, 102-242	6	2
89	CYP2B6*6 allele and age substantially reduce steady-state ketamine clearance in chronic pain patients: impact on adverse effects. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 80, 276-84	3.8	39
88	Glial Attenuation With Ibutilast in the Treatment of Medication Overuse Headache: A Double-Blind, Randomized, Placebo-Controlled Pilot Trial of Efficacy and Safety. <i>Headache</i> , <b>2015</b> , 55, 1192-208	4.2	10
87	DAT isn't all that: cocaine reward and reinforcement require Toll-like receptor 4 signaling. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 1525-37	15.1	135
86	Alcohol-induced sedation and synergistic interactions between alcohol and morphine: a key mechanistic role for Toll-like receptors and MyD88-dependent signaling. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 45, 245-52	16.6	18
85	Targeting the Toll of Drug Abuse: The Translational Potential of Toll-Like Receptor 4. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2015</b> , 14, 692-9	2.6	55
84	Pathological pain and the neuroimmune interface. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 217-31	36.5	517
83	Reduced response to the thermal grill illusion in chronic pain patients. <i>Pain Medicine</i> , <b>2014</b> , 15, 647-60	2.8	9
82	Want more pain? Just add a dash of endotoxin to enhance your clinical pain model. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 41, 44-5	16.6	8
81	Activation of adult rat CNS endothelial cells by opioid-induced toll-like receptor 4 (TLR4) signaling induces proinflammatory, biochemical, morphological, and behavioral sequelae. <i>Neuroscience</i> , <b>2014</b> , 280, 299-317	3.9	50
80	In vivo veritas: (+)-Naltrexone's actions define translational importance: A letter in response to Skolnick et al. 'Translational potential of naloxone and naltrexone as TLR4 antagonists'. <i>Trends in Pharmacological Sciences</i> , <b>2014</b> , 35, 432-3	13.2	14
79	Inflammatory mediators in mastitis and lactation insufficiency. <i>Journal of Mammary Gland Biology and Neoplasia</i> , <b>2014</b> , 19, 161-7	2.4	41



78	A concern on comparing 'apples' and 'oranges' when differences between microglia used in human and rodent studies go far, far beyond simply species: comment on Smith and Dragunow. <i>Trends in Neurosciences</i> , <b>2014</b> , 37, 189-90	13.3	10
77	Why is neuroimmunopharmacology crucial for the future of addiction research?. <i>Neuropharmacology</i> , <b>2014</b> , 76 Pt B, 218-27	5.5	69
76	Toll-like receptor 4: innate immune regulator of neuroimmune and neuroendocrine interactions in stress and major depressive disorder. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 309	5.1	62
75	Sex differences in mechanical allodynia: how can it be preclinically quantified and analyzed?. <i>Frontiers in Behavioral Neuroscience</i> , <b>2014</b> , 8, 40	3.5	27
74	Glial TLR4 signaling does not contribute to opioid-induced depression of respiration. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 857-68	3.7	10
73	Effects of a forest pathogen on habitat selection and quality for the endangered golden-cheeked warbler. <i>Wildlife Society Bulletin</i> , <b>2014</b> , 38, 279-287	1.4	10
72	Codeine-induced hyperalgesia and allodynia: investigating the role of glial activation. <i>Translational Psychiatry</i> , <b>2014</b> , 4, e482	8.6	25
71	Discovery of a novel site of opioid action at the innate immune pattern-recognition receptor TLR4 and its role in addiction. <i>International Review of Neurobiology</i> , <b>2014</b> , 118, 129-63	4.4	43
70	Toll-like receptor 4 regulates lipopolysaccharide-induced inflammation and lactation insufficiency in a mouse model of mastitis. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 91	3.9	22
69	Immune priming and experimental glaucoma: the effect of prior systemic lipopolysaccharide challenge on tissue outcomes after optic nerve injury. <i>Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 42, 539-54	2.4	2
68	Association of innate immune single-nucleotide polymorphisms with the electroencephalogram during desflurane general anaesthesia. <i>Journal of Molecular Neuroscience</i> , <b>2014</b> , 52, 497-506	3.3	13
67	Effect of chronic delivery of the Toll-like receptor 4 antagonist (+)-naltrexone on incubation of heroin craving. <i>Biological Psychiatry</i> , <b>2013</b> , 73, 729-37	7.9	85
66	The CYP2B6*6 allele significantly alters the N-demethylation of ketamine enantiomers in vitro. <i>Drug Metabolism and Disposition</i> , <b>2013</b> , 41, 1264-72	4	35
65	Glucuronic acid and the ethanol metabolite ethyl-glucuronide cause toll-like receptor 4 activation and enhanced pain. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 30, 24-32	16.6	39
64	Low-dose endotoxin potentiates capsaicin-induced pain in man: evidence for a pain neuroimmune connection. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 30, 3-11	16.6	43
63	<b>2013</b> ,		3
62	Medication-overuse headache and opioid-induced hyperalgesia: A review of mechanisms, a neuroimmune hypothesis and a novel approach to treatment. <i>Cephalalgia</i> , <b>2013</b> , 33, 52-64	6.1	34
61	Immune-to-Brain Communication in Pain: Historical Perspectives, New Directions <b>2013</b> , 176-197		



60	TLR 2 and 4 responsiveness from isolated peripheral blood mononuclear cells from rats and humans as potential chronic pain biomarkers. <i>PLoS ONE</i> , <b>2013</b> , 8, e77799	3.7	12
59	Peripheral interleukin-1 $\beta$ levels are elevated in chronic tension-type headache patients. <i>Pain Research and Management</i> , <b>2013</b> , 18, 301-6	2.6	22
58	Therapeutic Strategies to Treat Alcohol-Related Disorders Targeting Central Immune Signaling <b>2013</b> , 535-559		
57	Implications of central immune signaling caused by drugs of abuse: mechanisms, mediators and new therapeutic approaches for prediction and treatment of drug dependence. <i>Pharmacology &amp; Therapeutics</i> , <b>2012</b> , 134, 219-45	13.9	131
56	Opioid activation of toll-like receptor 4 contributes to drug reinforcement. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 11187-200	6.6	205
55	Harnessing pain heterogeneity and RNA transcriptome to identify blood-based pain biomarkers: a novel correlational study design and bioinformatics approach in a graded chronic constriction injury model. <i>Journal of Neurochemistry</i> , <b>2012</b> , 122, 976-94	6	19
54	(+)-naloxone, an opioid-inactive toll-like receptor 4 signaling inhibitor, reverses multiple models of chronic neuropathic pain in rats. <i>Journal of Pain</i> , <b>2012</b> , 13, 498-506	5.2	77
53	Role of microglia and toll-like receptor 4 in the pathophysiology of delirium. <i>Medical Hypotheses</i> , <b>2012</b> , 79, 735-9	3.8	19
52	Exploring neuroinflammation as a potential avenue to improve the clinical efficacy of opioids. <i>Expert Review of Neurotherapeutics</i> , <b>2012</b> , 12, 1311-24	4.3	9
51	Morphine activates neuroinflammation in a manner parallel to endotoxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6325-30	11.5	311
50	Inhibiting the TLR4-MyD88 signalling cascade by genetic or pharmacological strategies reduces acute alcohol-induced sedation and motor impairment in mice. <i>British Journal of Pharmacology</i> , <b>2012</b> , 165, 1319-29	8.6	64
49	Toll-like receptors in chronic pain. <i>Experimental Neurology</i> , <b>2012</b> , 234, 316-29	5.7	163
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