Mark R. Hutchinson

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.

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	Pathological pain and the neuroimmune interface. *Nature Reviews Immunology*, **2014**, 14, 217-31	36.5	517
184	Evidence that opioids may have toll-like receptor 4 and MD-2 effects. *Brain, Behavior, and Immunity*, **2010**, 24, 83-95	16.6	374
183	Morphine activates neuroinflammation in a manner parallel to endotoxin. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6325-30	11.5	311
182	Non-stereoselective reversal of neuropathic pain by naloxone and naltrexone: involvement of toll-like receptor 4 (TLR4). *European Journal of Neuroscience*, **2008**, 28, 20-9	3.5	297
181	Exploring the neuroimmunopharmacology of opioids: an integrative review of mechanisms of central immune signaling and their implications for opioid analgesia. *Pharmacological Reviews*, **2011**, 63, 772-810	22.5	293
180	The "toll" of opioid-induced glial activation: improving the clinical efficacy of opioids by targeting glia. *Trends in Pharmacological Sciences*, **2009**, 30, 581-91	13.2	289
179	Glia: novel counter-regulators of opioid analgesia. *Trends in Neurosciences*, **2005**, 28, 661-9	13.3	273
178	Opioid-induced glial activation: mechanisms of activation and implications for opioid analgesia, dependence, and reward. *Scientific World Journal, The*, **2007**, 7, 98-111	2.2	266
177	Norman Cousins Lecture. Glia as the "bad guys": implications for improving clinical pain control and the clinical utility of opioids. *Brain, Behavior, and Immunity*, **2007**, 21, 131-46	16.6	264
176	Proinflammatory cytokines oppose opioid-induced acute and chronic analgesia. *Brain, Behavior, and Immunity*, **2008**, 22, 1178-89	16.6	237
175	Toll-like receptor 4 in CNS pathologies. *Journal of Neurochemistry*, **2010**, 114, 13-27	6	218
174	Opioid activation of toll-like receptor 4 contributes to drug reinforcement. *Journal of Neuroscience*, **2012**, 32, 11187-200	6.6	205
173	Reduction of opioid withdrawal and potentiation of acute opioid analgesia by systemic AV411 (ibudilast). *Brain, Behavior, and Immunity*, **2009**, 23, 240-50	16.6	191
172	Toll-like receptors in chronic pain. *Experimental Neurology*, **2012**, 234, 316-29	5.7	163
171	Minocycline suppresses morphine-induced respiratory depression, suppresses morphine-induced reward, and enhances systemic morphine-induced analgesia. *Brain, Behavior, and Immunity*, **2008**, 22, 1248-56	16.6	143
170	"Listening" and "talking" to neurons: implications of immune activation for pain control and increasing the efficacy of opioids. *Brain Research Reviews*, **2007**, 56, 148-69		139
169	DAT isn't all that: cocaine reward and reinforcement require Toll-like receptor 4 signaling. *Molecular Psychiatry*, **2015**, 20, 1525-37	15.1	135

168	Early-life experience decreases drug-induced reinstatement of morphine CPP in adulthood via microglial-specific epigenetic programming of anti-inflammatory IL-10 expression. *Journal of Neuroscience*, **2011**, 31, 17835-47	6.6	135
167	Implications of central immune signaling caused by drugs of abuse: mechanisms, mediators and new therapeutic approaches for prediction and treatment of drug dependence. *Pharmacology & Therapeutics*, **2012**, 134, 219-45	13.9	131
166	Evidence that intrathecal morphine-3-glucuronide may cause pain enhancement via toll-like receptor 4/MD-2 and interleukin-1beta. *Neuroscience*, **2010**, 165, 569-83	3.9	129
165	The cortical innate immune response increases local neuronal excitability leading to seizures. *Brain*, **2009**, 132, 2478-86	11.2	109
164	Ibudilast (AV-411). A new class therapeutic candidate for neuropathic pain and opioid withdrawal syndromes. *Expert Opinion on Investigational Drugs*, **2007**, 16, 935-50	5.9	104
163	CYP2D6 and CYP3A4 involvement in the primary oxidative metabolism of hydrocodone by human liver microsomes. *British Journal of Clinical Pharmacology*, **2004**, 57, 287-97	3.8	100
162	Pharmacological characterization of the opioid inactive isomers (+)-naltrexone and (+)-naloxone as antagonists of toll-like receptor 4. *British Journal of Pharmacology*, **2016**, 173, 856-69	8.6	99
161	Possible involvement of toll-like receptor 4/myeloid differentiation factor-2 activity of opioid inactive isomers causes spinal proinflammation and related behavioral consequences. *Neuroscience*, **2010**, 167, 880-93	3.9	97
160	Ibudilast: a review of its pharmacology, efficacy and safety in respiratory and neurological disease. *Expert Opinion on Pharmacotherapy*, **2009**, 10, 2897-904	4	87
159	Recent advances in cytokine detection by immunosensing. *Biosensors and Bioelectronics*, **2016**, 79, 810-21	11.8	85
158	Effect of chronic delivery of the Toll-like receptor 4 antagonist (+)-naltrexone on incubation of heroin craving. *Biological Psychiatry*, **2013**, 73, 729-37	7.9	85
157	Peripheral immune contributions to the maintenance of central glial activation underlying neuropathic pain. *Brain, Behavior, and Immunity*, **2011**, 25, 1322-32	16.6	85
156	Enduring reversal of neuropathic pain by a single intrathecal injection of adenosine 2A receptor agonists: a novel therapy for neuropathic pain. *Journal of Neuroscience*, **2009**, 29, 14015-25	6.6	82
155	(+)-naloxone, an opioid-inactive toll-like receptor 4 signaling inhibitor, reverses multiple models of chronic neuropathic pain in rats. *Journal of Pain*, **2012**, 13, 498-506	5.2	77
154	Evidence that tricyclic small molecules may possess toll-like receptor and myeloid differentiation protein 2 activity. *Neuroscience*, **2010**, 168, 551-63	3.9	73
153	The glial activation inhibitor AV411 reduces morphine-induced nucleus accumbens dopamine release. *Brain, Behavior, and Immunity*, **2009**, 23, 492-7	16.6	73
152	Irinotecan-Induced Gastrointestinal Dysfunction and Pain Are Mediated by Common TLR4-Dependent Mechanisms. *Molecular Cancer Therapeutics*, **2016**, 15, 1376-86	6.1	72
151	Why is neuroimmunopharmacology crucial for the future of addiction research?. *Neuropharmacology*, **2014**, 76 Pt B, 218-27	5.5	69

150	Nitroxidative Signaling Mechanisms in Pathological Pain. *Trends in Neurosciences*, **2016**, 39, 862-879	13.3	64
149	Inhibiting the TLR4-MyD88 signalling cascade by genetic or pharmacological strategies reduces acute alcohol-induced sedation and motor impairment in mice. *British Journal of Pharmacology*, **2012**, 165, 1319-29	8.6	64
148	Attenuation of microglial and IL-1 signaling protects mice from acute alcohol-induced sedation and/or motor impairment. *Brain, Behavior, and Immunity*, **2011**, 25 Suppl 1, S155-64	16.6	63
147	Toll-like receptor 4: innate immune regulator of neuroimmune and neuroendocrine interactions in stress and major depressive disorder. *Frontiers in Neuroscience*, **2014**, 8, 309	5.1	62
146	Evidence for a role of heat shock protein-90 in toll like receptor 4 mediated pain enhancement in rats. *Neuroscience*, **2009**, 164, 1821-32	3.9	57
145	Targeting the Toll of Drug Abuse: The Translational Potential of Toll-Like Receptor 4. *CNS and Neurological Disorders - Drug Targets*, **2015**, 14, 692-9	2.6	55
144	Activation of adult rat CNS endothelial cells by opioid-induced toll-like receptor 4 (TLR4) signaling induces proinflammatory, biochemical, morphological, and behavioral sequelae. *Neuroscience*, **2014** , 280, 299-317	3.9	50
143	Morphine amplifies mechanical allodynia via TLR4 in a rat model of spinal cord injury. *Brain, Behavior, and Immunity*, **2016**, 58, 348-356	16.6	49
142	Naloxone-precipitated morphine withdrawal behavior and brain IL-1 expression: comparison of different mouse strains. *Brain, Behavior, and Immunity*, **2011**, 25, 1223-32	16.6	47
141	Small-Molecule Modulators of Toll-like Receptors. *Accounts of Chemical Research*, **2020**, 53, 1046-1055	24.3	46
140	Naturally-diverse airborne environmental microbial exposures modulate the gut microbiome and may provide anxiolytic benefits in mice. *Science of the Total Environment*, **2020**, 701, 134684	10.2	46
139	From the Bottom-Up: Chemotherapy and Gut-Brain Axis Dysregulation. *Frontiers in Behavioral Neuroscience*, **2018**, 12, 104	3.5	43
138	Low-dose endotoxin potentiates capsaicin-induced pain in man: evidence for a pain neuroimmune connection. *Brain, Behavior, and Immunity*, **2013**, 30, 3-11	16.6	43
137	Discovery of a novel site of opioid action at the innate immune pattern-recognition receptor TLR4 and its role in addiction. *International Review of Neurobiology*, **2014**, 118, 129-63	4.4	43
136	Inflammatory mediators in mastitis and lactation insufficiency. *Journal of Mammary Gland Biology and Neoplasia*, **2014**, 19, 161-7	2.4	41
135	Novel Toll-like receptor-4 antagonist (+)-naloxone protects mice from inflammation-induced preterm birth. *Scientific Reports*, **2016**, 6, 36112	4.9	40
134	Portable optical fiber probe for in vivo brain temperature measurements. *Biomedical Optics Express*, **2016**, 7, 3069-77	3.5	39
133	Glucuronic acid and the ethanol metabolite ethyl-glucuronide cause toll-like receptor 4 activation and enhanced pain. *Brain, Behavior, and Immunity*, **2013**, 30, 24-32	16.6	39

132	CYP2B6*6 allele and age substantially reduce steady-state ketamine clearance in chronic pain patients: impact on adverse effects. *British Journal of Clinical Pharmacology*, **2015**, 80, 276-84	3.8	39
131	Toll-Like Receptor 4 Is an Essential Upstream Regulator of On-Time Parturition and Perinatal Viability in Mice. *Endocrinology*, **2015**, 156, 3828-41	4.8	38
130	Increased responsiveness of peripheral blood mononuclear cells to in vitro TLR 2, 4 and 7 ligand stimulation in chronic pain patients. *PLoS ONE*, **2012**, 7, e44232	3.7	37
129	The CYP2B6*6 allele significantly alters the N-demethylation of ketamine enantiomers in vitro. *Drug Metabolism and Disposition*, **2013**, 41, 1264-72	4	35
128	A peptide antagonist of the TLR4-MD2 interaction. *ChemBioChem*, **2009**, 10, 645-9	3.8	35
127	Association of IL-1B genetic polymorphisms with an increased risk of opioid and alcohol dependence. *Pharmacogenetics and Genomics*, **2009**, 19, 869-76	1.9	35
126	A novel animal model of graded neuropathic pain: utility to investigate mechanisms of population heterogeneity. *Journal of Neuroscience Methods*, **2010**, 193, 47-53	3	35
125	Medication-overuse headache and opioid-induced hyperalgesia: A review of mechanisms, a neuroimmune hypothesis and a novel approach to treatment. *Cephalalgia*, **2013**, 33, 52-64	6.1	34
124	Application of a novel in silico high-throughput screen to identify selective inhibitors for protein-protein interactions. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5411-3	2.9	34
123	The effects of a single exposure to uncontrollable stress on the subsequent conditioned place preference responses to oxycodone, cocaine, and ethanol in rats. *Psychopharmacology*, **2007**, 191, 909-17	4.7	34
122	Glial contributions to visceral pain: implications for disease etiology and the female predominance of persistent pain. *Translational Psychiatry*, **2016**, 6, e888	8.6	32
121	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. *ACS Chemical Neuroscience*, **2019**, 10, 3622-3634	5.7	31
120	Sensitive Cytokine Assay Based on Optical Fiber Allowing Localized and Spatially Resolved Detection of Interleukin-6. *ACS Sensors*, **2017**, 2, 218-226	9.2	29
119	Graphene quantum dot based "switch-on" nanosensors for intracellular cytokine monitoring. *Nanoscale*, **2017**, 9, 4934-4943	7.7	27
118	Sex differences in mechanical allodynia: how can it be preclinically quantified and analyzed?. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 40	3.5	27
117	Codeine-induced hyperalgesia and allodynia: investigating the role of glial activation. *Translational Psychiatry*, **2014**, 4, e482	8.6	25
116	Dissecting the Innate Immune Recognition of Opioid Inactive Isomer (+)-Naltrexone Derived Toll-like Receptor 4 (TLR4) Antagonists. *Journal of Chemical Information and Modeling*, **2018**, 58, 816-825	6.1	24
115	The role of Toll-like receptor 4 (TLR4) in cardiac ischaemic-reperfusion injury, cardioprotection and preconditioning. *Clinical and Experimental Pharmacology and Physiology*, **2016**, 43, 864-71	3	24

114	Gender inequality in publishing during the COVID-19 pandemic. *Brain, Behavior, and Immunity*, **2021**, 91, 1-3	16.6	23
113	Toll-like receptor 4 regulates lipopolysaccharide-induced inflammation and lactation insufficiency in a mouse model of mastitis. *Biology of Reproduction*, **2014**, 90, 91	3.9	22
112	Peripheral interleukin-1 levels are elevated in chronic tension-type headache patients. *Pain Research and Management*, **2013**, 18, 301-6	2.6	22
111	Perspective: Biomedical sensing and imaging with optical fibers nnovation through convergence of science disciplines. *APL Photonics*, **2018**, 3, 100902	5.2	22
110	A novel platform for in vivo detection of cytokine release within discrete brain regions. *Brain, Behavior, and Immunity*, **2018**, 71, 18-22	16.6	21
109	Adoptive transfer of peripheral immune cells potentiates allodynia in a graded chronic constriction injury model of neuropathic pain. *Brain, Behavior, and Immunity*, **2011**, 25, 503-13	16.6	21
108	Air pollution distribution patterns in the San Bernardino Mountains of southern California: a 40-year perspective. *Scientific World Journal, The*, **2007**, 7 Suppl 1, 98-109	2.2	21
107	Drug addiction: targeting dynamic neuroimmune receptor interactions as a potential therapeutic strategy. *Current Opinion in Pharmacology*, **2016**, 26, 131-7	5.1	20
106	Graphene Oxide Based Recyclable in Vivo Device for Amperometric Monitoring of Interferon- n Inflammatory Mice. *ACS Applied Materials & Interfaces*, **2018**, 10, 33078-33087	9.5	20
105	Lovastatin inhibits Toll-like receptor 4 signaling in microglia by targeting its co-receptor myeloid differentiation protein 2 and attenuates neuropathic pain. *Brain, Behavior, and Immunity*, **2019**, 82, 432-444	16.6	19
104	Chemotherapy-induced gut toxicity and pain: involvement of TLRs. *Supportive Care in Cancer*, **2016**, 24, 2251-2258	3.9	19
103	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. *Journal of Neurochemistry*, **2012**, 122, 976-94	6	19
102	Role of microglia and toll-like receptor 4 in the pathophysiology of delirium. *Medical Hypotheses*, **2012**, 79, 735-9	3.8	19
101	The effects of pregabalin and the glial attenuator minocycline on the response to intradermal capsaicin in patients with unilateral sciatica. *PLoS ONE*, **2012**, 7, e38525	3.7	19
100	Alcohol-induced sedation and synergistic interactions between alcohol and morphine: a key mechanistic role for Toll-like receptors and MyD88-dependent signaling. *Brain, Behavior, and Immunity*, **2015**, 45, 245-52	16.6	18
99	Commentary on Landry et al.: "Propentofylline, a CNS glial modulator, does not decrease pain in post-herpetic neuralgia patients: in vitro evidence for differential responses in human and rodent microglia and macrophages". *Experimental Neurology*, **2012**, 234, 351-3	5.7	18
98	Quantification of the O- and N-demethylated metabolites of hydrocodone and oxycodone in human liver microsomes using liquid chromatography with ultraviolet absorbance detection. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2003**, 785, 81-8	3.2	18
97	Biophotonics: the big picture. *Journal of Biomedical Optics*, **2017**, 23, 1-7	3.5	18

96	Chronic Morphine-Induced Changes in Signaling at the A Adenosine Receptor Contribute to Morphine-Induced Hyperalgesia, Tolerance, and Withdrawal. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 374, 331-341	4.7	18
95	The Neuroimmunology of Chronic Pain: From Rodents to Humans. *Journal of Neuroscience*, **2021**, 41, 855-865	6.6	18
94	Ethnicity-dependent influence of innate immune genetic markers on morphine PCA requirements and adverse effects in postoperative pain. *Pain*, **2016**, 157, 2458-2466	8	17
93	Local and Systemic Inflammation in Localized, Provoked Vestibulodynia: A Systematic Review. *Obstetrics and Gynecology*, **2016**, 128, 337-47	4.9	16
92	Diacetylmorphine degradation to 6-monoacetylmorphine and morphine in cell culture: implications for in vitro studies. *European Journal of Pharmacology*, **2002**, 453, 27-32	5.3	15
91	Toll-like Receptor-4: A New Target for Preterm Labour Pharmacotherapies?. *Current Pharmaceutical Design*, **2018**, 24, 960-973	3.3	15
90	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'. *Trends in Pharmacological Sciences*, **2014**, 35, 432-3	13.2	14
89	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells. *IScience*, **2019**, 20, 137-147	6.1	13
88	The relationship between opioids and immune signalling in the spinal cord. *Handbook of Experimental Pharmacology*, **2015**, 227, 207-38	3.2	13
87	Silk: A bio-derived coating for optical fiber sensing applications. *Sensors and Actuators B: Chemical*, **2020**, 311, 127864	8.5	13
86	Ibudilast reduces oxaliplatin-induced tactile allodynia and cognitive impairments in rats. *Behavioural Brain Research*, **2017**, 334, 109-118	3.4	13
85	Association of innate immune single-nucleotide polymorphisms with the electroencephalogram during desflurane general anaesthesia. *Journal of Molecular Neuroscience*, **2014**, 52, 497-506	3.3	13
84	In vitro opioid induced proliferation of peripheral blood immune cells correlates with in vivo cold pressor pain tolerance in humans: a biological marker of pain tolerance. *Pain*, **2004**, 110, 751-755	8	13
83	Zerumbone Modulates Adrenergic, TRPV1, and NMDA NR2B Receptors Plasticity in CCI-Induced Neuropathic Pain and LPS-Induced SH-SY5Y Neuroblastoma Models. *Frontiers in Pharmacology*, **2020**, 11, 92	5.6	12
82	Stereochemistry and innate immune recognition: (+)-norbinaltorphimine targets myeloid differentiation protein 2 and inhibits toll-like receptor 4 signaling. *FASEB Journal*, **2019**, 33, 9577-9587	0.9	12
81	TLR 2 and 4 responsiveness from isolated peripheral blood mononuclear cells from rats and humans as potential chronic pain biomarkers. *PLoS ONE*, **2013**, 8, e77799	3.7	12
80	Mouse models of mastitis - how physiological are they?. *International Breastfeeding Journal*, **2015**, 10, 12	3.8	11
79	Select steroid hormone glucuronide metabolites can cause toll-like receptor 4 activation and enhanced pain. *Brain, Behavior, and Immunity*, **2015**, 44, 128-36	16.6	11

78	Corticosterone Preexposure Increases NF-B Translocation and Sensitizes IL-1Responses in BV2 Microglia-Like Cells. *Frontiers in Immunology*, **2018**, 9, 3	8.4	11
77	Lesion development is modulated by the natural estrous cycle and mouse strain in a minimally invasive model of endometriosis. *Biology of Reproduction*, **2017**, 97, 810-821	3.9	11
76	An MD2 hot-spot-mimicking peptide that suppresses TLR4-mediated inflammatory response in vitro and in vivo. *ChemBioChem*, **2011**, 12, 1827-31	3.8	11
75	(S)-(+)-methadone is more immunosuppressive than the potent analgesic (R)-(--)-methadone. *International Immunopharmacology*, **2004**, 4, 1525-30	5.8	11
74	Novel imaging tools for investigating the role of immune signalling in the brain. *Brain, Behavior, and Immunity*, **2016**, 58, 40-47	16.6	11
73	Spiropyran-Based Nanocarrier: A New Zn -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. *Chemistry - A European Journal*, **2019**, 25, 854-862	4.8	11
72	Toll-Like Receptor-4 Antagonist (+)-Naltrexone Protects Against Carbamyl-Platelet Activating Factor (cPAF)-Induced Preterm Labor in Mice. *American Journal of Pathology*, **2020**, 190, 1030-1045	5.8	10
71	Spinal Glial Adaptations Occur in a Minimally Invasive Mouse Model of Endometriosis: Potential Implications for Lesion Etiology and Persistent Pelvic Pain. *Reproductive Sciences*, **2019**, 26, 357-369	3	10
70	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. *Trends in Neurosciences*, **2014**, 37, 189-90	13.3	10
69	Measuring and tracking vitamin B12: A review of current methods with a focus on optical spectroscopy. *Applied Spectroscopy Reviews*, **2017**, 52, 439-455	4.5	10
68	Glial Attenuation With Ibudilast in the Treatment of Medication Overuse Headache: A Double-Blind, Randomized, Placebo-Controlled Pilot Trial of Efficacy and Safety. *Headache*, **2015**, 55, 1192-208	4.2	10
67	Glial TLR4 signaling does not contribute to opioid-induced depression of respiration. *Journal of Applied Physiology*, **2014**, 117, 857-68	3.7	10
66	Effects of a forest pathogen on habitat selection and quality for the endangered golden-cheeked warbler. *Wildlife Society Bulletin*, **2014**, 38, 279-287	1.4	10
65	Stimulation of water and calcium dynamics in astrocytes with pulsed infrared light. *FASEB Journal*, **2020**, 34, 6539-6553	0.9	9
64	Reduced response to the thermal grill illusion in chronic pain patients. *Pain Medicine*, **2014**, 15, 647-60	2.8	9
63	Exploring neuroinflammation as a potential avenue to improve the clinical efficacy of opioids. *Expert Review of Neurotherapeutics*, **2012**, 12, 1311-24	4.3	9
62	An optical fiber based immunosensor for localized detection of IL-1in rat spinal cord. *Sensors and Actuators B: Chemical*, **2019**, 282, 122-129	8.5	9
61	Amitriptyline pharmacologically preconditions rat hearts against cardiac ischemic-reperfusion injury. *International Journal of Cardiology*, **2015**, 190, 353-9	3.2	8

60	Antagonising TLR4-TRIF signalling before or after a low-dose alcohol binge during adolescence prevents alcohol drinking but not seeking behaviour in adulthood. *Neuropharmacology*, **2018**, 128, 460-473	5.5	8
59	Toll-Like Receptor-4 Antagonist (+)-Naloxone Confers Sexually Dimorphic Protection From Inflammation-Induced Fetal Programming in Mice. *Endocrinology*, **2019**, 160, 2646-2662	4.8	8
58	Want more pain? Just add a dash of endotoxin to enhance your clinical pain model. *Brain, Behavior, and Immunity*, **2014**, 41, 44-5	16.6	8
57	Are the protective benefits of vitamin D in neurodegenerative disease dependent on route of administration? A systematic review. *Nutritional Neuroscience*, **2020**, 23, 251-280	3.6	8
56	Differential effect of morphine on gastrointestinal transit, colonic contractions and nerve-evoked relaxations in Toll-Like Receptor deficient mice. *Scientific Reports*, **2018**, 8, 5923	4.9	7
55	The efficacy of (+)-Naltrexone on alcohol preference and seeking behaviour is dependent on light-cycle. *Brain, Behavior, and Immunity*, **2018**, 67, 181-193	16.6	7
54	Three new species of Stiphrornis (Aves: Muscicapidae) from the Afro-tropics, with a molecular phylogenetic assessment of the genus. *Systematics and Biodiversity*, **2017**, 15, 87-104	1.7	7
53	Relationship between 4,5-epoxymorphinan structure and in vitro modulation of cell proliferation. *European Journal of Pharmacology*, **2004**, 494, 251-62	5.3	7
52	Improved method for optical fiber temperature probe implantation in brains of free-moving rats. *Journal of Neuroscience Methods*, **2019**, 313, 24-28	3	7
51	Assessing the Effects of Parthenolide on Inflammation, Bone Loss, and Glial Cells within a Collagen Antibody-Induced Arthritis Mouse Model. *Mediators of Inflammation*, **2020**, 2020, 6245798	4.3	6
50	In vivo intrathecal IL-1□quantification in rats: Monitoring the molecular signals of neuropathic pain. *Brain, Behavior, and Immunity*, **2020**, 88, 442-450	16.6	6
49	Fluorescence brightness and photostability of individual copper (I) oxide nanocubes. *Scientific Reports*, **2017**, 7, 16905	4.9	6
48	A new metabotropic glutamate receptor agonist with in vivo anti-allodynic activity. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 6089-98	3.4	6
47	A Method for in Vivo Quantification Of Cytokine IL-1□n The Rat Intrathecal Space.. *ACS Applied Bio Materials*, **2020**, 3, 539-546	4.1	6
46	Targeting Toll-like receptor-4 to tackle preterm birth and fetal inflammatory injury. *Clinical and Translational Immunology*, **2020**, 9, e1121	6.8	6
45	Visualizing neuroinflammation with fluorescence and luminescent lanthanide-based in situ hybridization. *Journal of Neuroinflammation*, **2019**, 16, 65	10.1	5
44	BrainPhys neuronal medium optimized for imaging and optogenetics in vitro. *Nature Communications*, **2020**, 11, 5550	17.4	5
43	Characterisation of the in vitro modulation of splenocyte proliferation by non-4,5-epoxymorphinan opioids. *International Immunopharmacology*, **2005**, 5, 1713-22	5.8	5

42	Neuroimmune reactivity marker expression in rodent models of chemotherapy-induced cognitive impairment: A systematic scoping review. *Brain, Behavior, and Immunity*, **2021**, 94, 392-409	16.6	4
41	Graded peripheral nerve injury creates mechanical allodynia proportional to the progression and severity of microglial activity within the spinal cord of male mice. *Brain, Behavior, and Immunity*, **2021**, 91, 568-577	16.6	4
40	Artemisinin inhibits TLR4 signaling by targeting co-receptor MD2 in microglial BV-2 cells and prevents lipopolysaccharide-induced blood-brain barrier leakage in mice. *Journal of Neurochemistry*, **2021**, 157, 611-623	6	4
39	Constriction of the buccal branch of the facial nerve produces unilateral craniofacial allodynia. *Brain, Behavior, and Immunity*, **2017**, 64, 59-64	16.6	3
38	Toll-Like Receptor Responsiveness of Peripheral Blood Mononuclear Cells in Young Women with Dysmenorrhea. *Journal of Pain Research*, **2020**, 13, 503-516	2.9	3
37	The importance of knowing you are sick: Nanoscale biophotonics for the ‘other’ brain. *Microelectronic Engineering*, **2018**, 187-188, 101-104	2.5	3
36	**2013**,		3
35	Neuroimmune Interactions and Pain: The Role of Immune and Glial Cells **2007**, 393-414		3
34	Androgens, Endometriosis and Pain. *Frontiers in Reproductive Health*, **2021**, 3,	1.4	3
33	Acute stress induces the rapid and transient induction of caspase-1, gasdermin D and release of constitutive IL-1β protein in dorsal hippocampus. *Brain, Behavior, and Immunity*, **2020**, 90, 70-80	16.6	3
32	Nicotine and its metabolite cotinine target MD2 and inhibit TLR4 signaling. *Innovation(China)*, **2021**, 2, 100111	17.8	3
31	TLR4 biased small molecule modulators. *Pharmacology & Therapeutics*, **2021**, 228, 107918	13.9	3
30	Minocycline attenuates 3,4-methylenedioxymethamphetamine-induced hyperthermia in the rat brain. *European Journal of Pharmacology*, **2019**, 858, 172495	5.3	2
29	Psychoneuroimmunology goes East: Development of the PNIRS affiliate and its expansion into PNIRS. *Brain, Behavior, and Immunity*, **2020**, 88, 75-87	16.6	2
28	Poster Sessions Monday/Tuesday. *Journal of Neurochemistry*, **2015**, 134, 102-242	6	2
27	Immune priming and experimental glaucoma: the effect of prior systemic lipopolysaccharide challenge on tissue outcomes after optic nerve injury. *Clinical and Experimental Ophthalmology*, **2014**, 42, 539-54	2.4	2
26	Sphingosine-1-phosphate receptor subtype 1 activation in the central nervous system contributes to morphine withdrawal in rodents. *Journal of Neuroinflammation*, **2020**, 17, 314	10.1	2
25	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. *Journal of Pain Research*, **2021**, 14, 585-599	2.9	2

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