

# Steve McGaraughty

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

3,224  
citations

159585

30  
h-index

149698

56  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3319  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | A-803467, a potent and selective Nav1.8 sodium channel blocker, attenuates neuropathic and inflammatory pain in the rat. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8520-8525.                                      | 7.1 | 462       |
| 2  | A-317491, a novel potent and selective non-nucleotide antagonist of P2X3 and P2X2/3 receptors, reduces chronic inflammatory and neuropathic pain in the rat. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 17179-17184. | 7.1 | 440       |
| 3  | Effects of A-317491, a novel and selective P2X3 /P2X2/3 receptor antagonist, on neuropathic, inflammatory and chemogenic nociception following intrathecal and intraplantar administration. British Journal of Pharmacology, 2003, 140, 1381-1388.                   | 5.4 | 164       |
| 4  | Painful Purinergic Receptors. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 409-415.                                                                                                                                                             | 2.5 | 164       |
| 5  | TRPA1 Modulation of Spontaneous and Mechanically Evoked Firing of Spinal Neurons in Uninjured, Osteoarthritic, and Inflamed Rats. Molecular Pain, 2010, 6, 1744-8069-6-14.                                                                                           | 2.1 | 150       |
| 6  | Capsaicin Infused Into the PAG Affects Rat Tail Flick Responses to Noxious Heat and Alters Neuronal Firing in the RVM. Journal of Neurophysiology, 2003, 90, 2702-2710.                                                                                              | 1.8 | 108       |
| 7  | Oral and cutaneous thermosensory profile of selective TRPV1 inhibition by ABT-102 in a randomized healthy volunteer trial. Pain, 2011, 152, 1192-1200.                                                                                                               | 4.2 | 102       |
| 8  | Anticonvulsant and Antinociceptive Actions of Novel Adenosine Kinase Inhibitors. Current Topics in Medicinal Chemistry, 2005, 5, 43-58.                                                                                                                              | 2.1 | 100       |
| 9  | Microinjection of morphine into various amygdaloid nuclei differentially affects nociceptive responsiveness and RVM neuronal activity. Pain, 2002, 96, 153-162.                                                                                                      | 4.2 | 93        |
| 10 | Design of Adenosine Kinase Inhibitors from the NMR-Based Screening of Fragments. Journal of Medicinal Chemistry, 2000, 43, 4781-4786.                                                                                                                                | 6.4 | 81        |
| 11 | A Selective Na <sup>v</sup> 1.8 Sodium Channel Blocker, A-803467                                                                                                                                                                                                     |     |           |

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | TRPV1-related modulation of spinal neuronal activity and behavior in a rat model of osteoarthritic pain. <i>Brain Research</i> , 2011, 1369, 158-166.                                                                               | 2.2 | 45        |
| 20 | Increased WDR spontaneous activity and receptive field size in rats following a neuropathic or inflammatory injury: implications for mechanical sensitivity. <i>Neuroscience Letters</i> , 2004, 372, 123-126.                      | 2.1 | 43        |
| 21 | Monocytes/Macrophages play a pathogenic role in IL-23 mediated psoriasis-like skin inflammation. <i>Scientific Reports</i> , 2019, 9, 5310.                                                                                         | 3.3 | 42        |
| 22 | Adenosine kinase inhibitors: polar 7-Substituent of pyridopyrimidine derivatives improving their locomotor selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3041-3044.                                    | 2.2 | 38        |
| 23 | Disturbances in slow-wave sleep are induced by models of bilateral inflammation, neuropathic, and postoperative pain, but not osteoarthritic pain in rats. <i>Pain</i> , 2013, 154, 1092-1102.                                      | 4.2 | 38        |
| 24 | Distinct neurochemical mechanisms are activated following administration of different P2X receptor agonists into the hindpaw of a rat. <i>Brain Research</i> , 2003, 965, 187-193.                                                  | 2.2 | 35        |
| 25 | Endogenous opioid mechanisms partially mediate P2X3 /P2X2/3 -related antinociception in rat models of inflammatory and chemogenic pain but not neuropathic pain. <i>British Journal of Pharmacology</i> , 2005, 146, 180-188.       | 5.4 | 35        |
| 26 | Recent Developments in the Discovery of Novel Adenosine Kinase Inhibitors: Mechanism of Action and Therapeutic Potential. <i>CNS Neuroscience &amp; Therapeutics</i> , 2001, 7, 415-432.                                            | 4.0 | 35        |
| 27 | Purinergic control of neuropathic pain. <i>Drug Development Research</i> , 2006, 67, 376-388.                                                                                                                                       | 2.9 | 35        |
| 28 | Pyridopyrimidine analogues as novel adenosine kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2071-2074.                                                                                           | 2.2 | 33        |
| 29 | A-134974: a novel adenosine kinase inhibitor, relieves tactile allodynia via spinal sites of action in peripheral nerve injured rats. <i>Brain Research</i> , 2001, 905, 104-110.                                                   | 2.2 | 33        |
| 30 | Longitudinal Changes in Measured Glomerular Filtration Rate, Renal Fibrosis and Biomarkers in a Rat Model of Type 2 Diabetic Nephropathy. <i>American Journal of Nephrology</i> , 2016, 44, 339-353.                                | 3.1 | 33        |
| 31 | Comparison of the ability of adenosine kinase inhibitors and adenosine receptor agonists to attenuate thermal hyperalgesia and reduce motor performance in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 73, 573-581. | 2.9 | 32        |
| 32 | Antagonism of Supraspinal Histamine H <sub>3</sub> Receptors Modulates Spinal Neuronal Activity in Neuropathic Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 13-20.                               | 2.5 | 31        |
| 33 | Structure-activity studies of 5-substituted pyridopyrimidines as adenosine kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 83-86.                                                                  | 2.2 | 30        |
| 34 | Antagonism of TRPV1 receptors indirectly modulates activity of thermoregulatory neurons in the medial preoptic area of rats. <i>Brain Research</i> , 2009, 1268, 58-67.                                                             | 2.2 | 30        |
| 35 | IL-36 receptor antagonistic antibodies inhibit inflammatory responses in preclinical models of psoriasiform dermatitis. <i>Experimental Dermatology</i> , 2019, 28, 113-120.                                                        | 2.9 | 29        |
| 36 | 4-Amino-5-aryl-6-arylethynylpyrimidines: Structure-activity relationships of non-nucleoside adenosine kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1586-1605.                                           | 3.0 | 28        |

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Spontaneous firing and evoked responses of spinal nociceptive neurons are attenuated by blockade of P2X3 and P2X2/3 receptors in inflamed rats. <i>Journal of Neuroscience Research</i> , 2012, 90, 1597-1606.                      | 2.9 | 27        |
| 38 | Coexpression and activation of TRPV1 suppress the activity of the KCNQ2/3 channel. <i>Journal of General Physiology</i> , 2011, 138, 341-352.                                                                                       | 1.9 | 26        |
| 39 | Pharmacological MRI in awake rats predicts selective binding of $\hat{I}_{\pm 4}$ $\hat{I}^2_{\pm 2}$ nicotinic receptors. <i>Synapse</i> , 2008, 62, 159-168.                                                                      | 1.2 | 24        |
| 40 | Two distinct unit activity responses to morphine in the rostral ventromedial medulla of awake rats. <i>Brain Research</i> , 1993, 604, 331-333.                                                                                     | 2.2 | 22        |
| 41 | Characterization of Fasudil in Preclinical Models of Pain. <i>Journal of Pain</i> , 2010, 11, 941-949.                                                                                                                              | 1.4 | 17        |
| 42 | TRPV1 antagonist, A $\hat{e}$ 889425, inhibits mechanotransmission in a subclass of rat primary afferent neurons following peripheral inflammation. <i>Synapse</i> , 2012, 66, 187-195.                                             | 1.2 | 17        |
| 43 | Simultaneous multi- and single-unit recordings in the rostral ventromedial medulla of ketamine-anaesthetized rats, and the cross-correlogram analysis of their interactions. <i>Experimental Brain Research</i> , 1993, 92, 489-94. | 1.5 | 14        |
| 44 | Relationship between mechano-receptive fields of dorsal horn convergent neurons and the response to noxious immersion of the ipsilateral hindpaw in rats. <i>Pain</i> , 1997, 70, 133-140.                                          | 4.2 | 13        |
| 45 | Effects of Noxious Hindpaw Immersion on Evoked and Spontaneous Firing of Contralateral Convergent Dorsal Horn Neurons in Both Intact and Spinalized Rats. <i>Brain Research Bulletin</i> , 1997, 43, 263-267.                       | 3.0 | 12        |
| 46 | Characterization and comparison of rat monosodium iodoacetate and medial meniscal tear models of osteoarthritic pain. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2109-2117.                                                 | 2.3 | 12        |
| 47 | Characterization of psoriasiform dermatitis induced by systemic injection of interleukin $\hat{e}$ 23 minicircles in mice. <i>Journal of Dermatology</i> , 2019, 46, 482-497.                                                       | 1.2 | 12        |
| 48 | Losartan improves renal function and pathology in obese ZSF-1 rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2018, 29, 281-290.                                                                           | 1.3 | 11        |
| 49 | Mechanistic Insights Into the Analgesic Efficacy of A-1264087, a Novel Neuronal Ca $^{2+}$ Channel Blocker That Reduces Nociception in Rat Preclinical Pain Models. <i>Journal of Pain</i> , 2014, 15, 387.e1-387.e14.              | 1.4 | 10        |
| 50 | A mixed Ca $^{2+}$ channel blocker, A-1264087, utilizes peripheral and spinal mechanisms to inhibit spinal nociceptive transmission in a rat model of neuropathic pain. <i>Journal of Neurophysiology</i> , 2014, 111, 394-404.     | 1.8 | 10        |
| 51 | Short-term oral gavage administration of adenine induces a model of fibrotic kidney disease in rats. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 94, 34-43.                                                 | 0.7 | 10        |
| 52 | Investigating the role of anaesthetics on the rostral ventromedial medulla: implications for a GABAergic link between ON and OFF cells. <i>Neuroscience Letters</i> , 1993, 149, 119-122.                                           | 2.1 | 9         |
| 53 | The effects of strychnine, bicuculline, and ketamine on 'immersion-inhibited' dorsal horn convergent neurons in intact and spinalized rats. <i>Brain Research</i> , 1998, 784, 63-70.                                               | 2.2 | 9         |
| 54 | TRPV3 modulates nociceptive signaling through peripheral and supraspinal sites in rats. <i>Journal of Neurophysiology</i> , 2017, 118, 904-916.                                                                                     | 1.8 | 9         |

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | An Automated Electrophysiological Assay for Differentiating CaV2.2 Inhibitors Based on State Dependence and Kinetics. <i>Assay and Drug Development Technologies</i> , 2012, 10, 542-550.                                                                            | 1.2 | 7         |
| 56 | Characterization and pharmacological modulation of noci-responsive deep dorsal horn neurons across diverse rat models of pathological pain. <i>Journal of Neurophysiology</i> , 2018, 120, 1893-1905.                                                                | 1.8 | 6         |
| 57 | A correlogram analysis of the activity in the rostral ventromedial medulla of awake rats and in rats anesthetized with ketamine or pentobarbital following the administration of morphine. <i>Experimental Brain Research</i> , 1995, 106, 283-90.                   | 1.5 | 4         |
| 58 | Pharmacological and functional magnetic resonance imaging techniques in CNS drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2006, 1, 211-224.                                                                                                              | 5.0 | 4         |
| 59 | TRPA1 in Drug Discovery. <i>Methods in Pharmacology and Toxicology</i> , 2012, , 43-59.                                                                                                                                                                              | 0.2 | 4         |
| 60 | Characterization of the triazine, T4, a representative from a novel series of CaV2 inhibitors with strong state-dependence, poor use-dependence, and distinctively fast kinetics. <i>European Journal of Pharmacology</i> , 2014, 745, 234-242.                      | 3.5 | 4         |
| 61 | Development and Validation of a Medium-Throughput Electrophysiological Assay for KCNQ2/3 Channel Openers Using QPatch HT. <i>Assay and Drug Development Technologies</i> , 2013, 11, 17-24.                                                                          | 1.2 | 2         |
| 62 | Pain-Modulating Neurons and Behavioral State. , 1998, , .                                                                                                                                                                                                            |     | 0         |
| 63 | Discovery of (R)-(3-fluoropyrrolidin-1-yl)(6-((5-(trifluoromethyl)pyridin-2-yl)oxy)quinolin-2-yl)methanone (ABBV-318) and analogs as small molecule Nav1.7/ Nav1.8 blockers for the treatment of pain. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 63, 116743. | 3.0 | 0         |