

# Maree T Smith

## 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.

168 papers	6,004 citations	42 h-index	71 g-index
175 ext. papers	6,737 ext. citations	4.5 avg, IF	5.91 L-index

#	Paper	IF	Citations
168	Analgesic Opioid Ligand Discovery Based on Nonmorphinan Scaffolds Derived from Natural Sources.. <i>Journal of Medicinal Chemistry</i> , <b>2022</b> ,	8.3	2
167	Journey to the Market: The Evolution of Biodegradable Drug Delivery Systems. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 935	2.6	3
166	Sustained-release ketamine-loaded lipid-particulate system: in vivo assessment in mice. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 1	6.2	
165	Sustained release ketamine-loaded porous silicon-PLGA microparticles prepared by an optimized supercritical CO process. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 1	6.2	2
164	Pharmacological characterization of the chronic phase of the monoiodoacetate-induced rat model of osteoarthritis pain in the knee joint. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2021</b> , 48, 1515-1522	3	1
163	Comparative studies of glial fibrillary acidic protein and brain-derived neurotrophic factor expression in two transgenic mouse models of Alzheimer's disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2020</b> , 47, 1740-1750	3	
162	In vitro profiling of opioid ligands using the cAMP formation inhibition assay and the $\beta$ arrestin2 recruitment assay: No two ligands have the same profile. <i>European Journal of Pharmacology</i> , <b>2020</b> , 872, 172947	5.3	4
161	Intracerebroventricular administration of CYX-6, a potent $\mu$ opioid receptor agonist, a $\kappa$ and $\delta$ opioid receptor antagonist and a biased ligand at $\mu$ opioid receptors, evokes antinociception with minimal constipation and respiratory depression in rats in contrast to morphine. <i>European Journal of Pharmacology</i> , <b>2020</b> , 871, 172918	5.3	7
160	Sustained-release ketamine-loaded nanoparticles fabricated by sequential nanoprecipitation. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 581, 119291	6.5	18
159	Countering opioid-induced respiratory depression by non-opioids that are respiratory stimulants. <i>F1000Research</i> , <b>2020</b> , 9,	3.6	11
158	Use of Microfluidics to Fabricate Bioerodable Lipid Hybrid Nanoparticles Containing Hydromorphone or Ketamine for the Relief of Intractable Pain. <i>Pharmaceutical Research</i> , <b>2020</b> , 37, 211	4.5	5
157	Assessment of the anti-hyperalgesic efficacy of J-2156, relative to clinically available analgesic/adjuvant agents in a rat model of mild to moderate chronic mechanical low back pain (LBP). <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2020</b> , 47, 1912-1922	3	1
156	Assessment of the anti-allodynic efficacy of a glycine transporter 2 inhibitor relative to pregabalin and duloxetine in a rat model of prostate cancer-induced bone pain. <i>Pharmacological Reports</i> , <b>2020</b> , 72, 1418-1425	3.9	1
155	Cyclooctatetraene: A Bioactive Cubane Paradigm Complement. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2729-2734	4.8	17
154	The cubane paradigm in bioactive molecule discovery: further scope, limitations and the cyclooctatetraene complement. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 6790-6798	3.9	22
153	J-2156, a somatostatin receptor type 4 agonist, alleviates mechanical hyperalgesia in a rat model of chronic low back pain. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 117, 109056	7.5	6
152	Bioerodable Ketamine-Loaded Microparticles Fabricated Using Dissolvable Hydrogel Template Technology. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 1220-1226	3.9	7

151	Nitric oxide modulates Ebpioid receptor function in vitro. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2019</b> , 46, 676-685	3	5
150	Transcriptomic characterisation of the optimised rat model of Walker 256 breast cancer cell-induced bone pain. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2019</b> , 46, 1201-1215	3	2
149	Synthesis and Biological Evaluation of Fentanyl Analogues Modified at Phenyl Groups with Alkyls. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 201-208	5.7	4
148	Establishment and characterisation of a stavudine (d4T)-induced rat model of antiretroviral toxic neuropathy (ATN) using behavioural and pharmacological methods. <i>Inflammopharmacology</i> , <b>2019</b> , 27, 387-396	5.1	1
147	Sustained-Release Hydromorphone Microparticles Produced by Supercritical Fluid Polymer Encapsulation. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 811-814	3.9	10
146	Progress in understanding mechanisms of opioid-induced gastrointestinal adverse effects and respiratory depression. <i>Neuropharmacology</i> , <b>2018</b> , 131, 238-255	5.5	57
145	Effect of cardiopulmonary bypass on cytochrome P450 enzyme activity: implications for pharmacotherapy. <i>Drug Metabolism Reviews</i> , <b>2018</b> , 50, 109-124	7	0
144	Pharmacological inhibition of the NLRP3 inflammasome as a potential target for multiple sclerosis induced central neuropathic pain. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 77-86	5.1	32
143	Morphine hyposensitivity in streptozotocin-diabetic rats: Reversal by dietary l-arginine treatment. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 42-49	3	5
142	The Somatostatin Receptor-4 Agonist J-2156 Alleviates Mechanical Hypersensitivity in a Rat Model of Breast Cancer Induced Bone Pain. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 495	5.6	15
141	An improved liquid chromatography tandem mass spectrometry (LC-MS/MS) method for quantification of dexmedetomidine concentrations in samples of human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1073, 118-122	3.2	6
140	Inhibition of acid-sensing ion channels by diminazene and APETx2 evoke partial and highly variable antihyperalgesia in a rat model of inflammatory pain. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 2204-2218	8.6	24
139	Effects of long-term opioid analgesics on cognitive performance and plasma cytokine concentrations in patients with chronic low back pain: a cross-sectional pilot study. <i>Pain Reports</i> , <b>2018</b> , 3, e669	3.5	16
138	Formulation of Bioerodible Ketamine Microparticles as an Analgesic Adjuvant Treatment Produced by Supercritical Fluid Polymer Encapsulation. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	8
137	An improved LC-MS/MS method for simultaneous evaluation of CYP2C9, CYP2C19, CYP2D6 and CYP3A4 activity. <i>Bioanalysis</i> , <b>2018</b> , 10, 1577-1590	2.1	3
136	In vivo profiling of four centrally administered opioids for antinociception, constipation and respiratory depression: Between-colony differences in Sprague Dawley rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 1056-1066	3	3
135	Comparative analgesic efficacy of pregabalin administered according to either a prevention protocol or an intervention protocol in rats with cisplatin-induced peripheral neuropathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 1067-1075	3	6
134	Chronic low back pain: a mini-review on pharmacological management and pathophysiological insights from clinical and pre-clinical data. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 881	5.1	14

133	Optimization and Profiling of a Refined Rat Model of Walker 256 Breast Cancer Cell-Induced Bone Pain Using Behavioral, Radiological, Histological, Immunohistochemical and Pharmacological Methods. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 442	5.6	7
132	Establishment and Characterization of a Novel Rat Model of Mechanical Low Back Pain Using Behavioral, Pharmacologic and Histologic Methods. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 493	5.6	10
131	Attenuation of the Infiltration of Angiotensin II Expressing CD3 T-Cells and the Modulation of Nerve Growth Factor in Lumbar Dorsal Root Ganglia - A Possible Mechanism Underpinning Analgesia Produced by EMA300, An Angiotensin II Type 2 (AT) Receptor Antagonist. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 389	6.1	8
130	High-throughput assay for quantification of the plasma concentrations of thiopental using automated solid phase extraction (SPE) directly coupled to LC-MS/MS instrumentation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1038, 80-87	3.2	3
129	Selective small molecule angiotensin II type 2 receptor antagonists for neuropathic pain: preclinical and clinical studies. <i>Pain</i> , <b>2016</b> , 157 Suppl 1, S33-S41	8	32
128	Comparison of Burrowing and Stimuli-Evoked Pain Behaviors as End-Points in Rat Models of Inflammatory Pain and Peripheral Neuropathic Pain. <i>Frontiers in Behavioral Neuroscience</i> , <b>2016</b> , 10, 88	3.5	18
127	Evaluation of a High-Throughput Peptide Reactivity Format Assay for Assessment of the Skin Sensitization Potential of Chemicals. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 53	5.6	8
126	Bioerodable PLGA-Based Microparticles for Producing Sustained-Release Drug Formulations and Strategies for Improving Drug Loading. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 185	5.6	179
125	The Walker 256 Breast Cancer Cell- Induced Bone Pain Model in Rats. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 286	5.6	32
124	The effect of 1mg folic acid supplementation on clinical outcomes in female migraine with aura patients. <i>Journal of Headache and Pain</i> , <b>2016</b> , 17, 60	8.8	20
123	Validating Eaton <sup>®</sup> Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3644-3649	16.4	28
122	Validating Eaton <sup>®</sup> Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3580-5	16.4	78
121	Frontispiece: Validating Eaton <sup>®</sup> Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55,	16.4	1
120	In Vitro Metabolic Stability and in Vivo Biodistribution of 3-Methyl-4-furoxancarbaldehyde Using PET Imaging in Rats. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 563-7	4.3	10
119	A novel fully validated LC-MS/MS method for quantification of pyridoxal-5 <sup>o</sup> phosphate concentrations in samples of human whole blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2015</b> , 1000, 77-83	3.2	8
118	Targeting angiotensin II type 2 receptor pathways to treat neuropathic pain and inflammatory pain. <i>Expert Opinion on Therapeutic Targets</i> , <b>2015</b> , 19, 25-35	6.4	26
117	Topical application of a novel oxycodone gel formulation (tocopheryl phosphate mixture) in a rat model of peripheral inflammatory pain produces localized pain relief without significant systemic exposure. <i>Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 104, 2388-96	3.9	13
116	Novel polymeric bioerodable microparticles for prolonged-release intrathecal delivery of analgesic agents for relief of intractable cancer-related pain. <i>Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 104, 2334-44	3.9	17

115	In vivo profiling of seven common opioids for antinociception, constipation and respiratory depression: no two opioids have the same profile. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 532-48	8.6	45
114	Antiallodynic effects of alpha lipoic acid in an optimized RR-EAE mouse model of MS-neuropathic pain are accompanied by attenuation of upregulated BDNF-TrkB-ERK signaling in the dorsal horn of the spinal cord. <i>Pharmacology Research and Perspectives</i> , <b>2015</b> , 3, e0137	3.1	24
113	Neurotrophins and Neuropathic Pain: Role in Pathobiology. <i>Molecules</i> , <b>2015</b> , 20, 10657-88	4.8	110
112	In vivo high angular resolution diffusion-weighted imaging of mouse brain at 16.4 Tesla. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130133	3.7	20
111	In vitro methods for hazard assessment of industrial chemicals - opportunities and challenges. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 94	5.6	14
110	The furoxan nitric oxide donor, PRG150, evokes dose-dependent analgesia in a rat model of painful diabetic neuropathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2015</b> , 42, 921-929	3	12
109	Angiotensin II type 2-receptor: new clinically validated target in the treatment of neuropathic pain. <i>Clinical Pharmacology and Therapeutics</i> , <b>2015</b> , 97, 128-30	6.1	11
108	Multiple sclerosis-induced neuropathic pain: pharmacological management and pathophysiological insights from rodent EAE models. <i>Inflammopharmacology</i> , <b>2014</b> , 22, 1-22	5.1	72
107	Comparative studies using the Morris water maze to assess spatial memory deficits in two transgenic mouse models of Alzheimer's disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2014</b> , 41, 798-806	3	25
106	Establishment and characterization of an optimized mouse model of multiple sclerosis-induced neuropathic pain using behavioral, pharmacologic, histologic and immunohistochemical methods. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 126, 13-27	3.9	23
105	Fully validated LC-MS/MS method for quantification of homocysteine concentrations in samples of human serum: a new approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 972, 14-21	3.2	16
104	Theoretical and practical applications of the intracerebroventricular route for CSF sampling and drug administration in CNS drug discovery research: a mini review. <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 233, 166-71	3	20
103	Current developments in MRI for assessing rodent models of multiple sclerosis. <i>Future Neurology</i> , <b>2014</b> , 9, 487-511	1.5	1
102	Analgesic efficacy and mode of action of a selective small molecule angiotensin II type 2 receptor antagonist in a rat model of prostate cancer-induced bone pain. <i>Pain Medicine</i> , <b>2014</b> , 15, 93-110	2.8	32
101	Optimization and pharmacological characterization of a refined cisplatin-induced rat model of peripheral neuropathic pain. <i>Behavioural Pharmacology</i> , <b>2014</b> , 25, 732-40	2.4	26
100	Analgesic efficacy of small-molecule angiotensin II type 2 receptor antagonists in a rat model of antiretroviral toxic polyneuropathy. <i>Behavioural Pharmacology</i> , <b>2014</b> , 25, 137-46	2.4	19
99	Endomorphin analogues with mixed $\mu$ -opioid (MOP) receptor agonism/ $\delta$ -opioid (DOP) receptor antagonism and lacking $\beta$ -arrestin2 recruitment activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 2208-19	3.4	11
98	Peripherally acting novel lipo-endomorphin-1 peptides in neuropathic pain without producing constipation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 1898-904	3.4	16

97	Pathobiology and management of prostate cancer-induced bone pain: recent insights and future treatments. <i>Inflammopharmacology</i> , <b>2013</b> , 21, 339-63	5.1	32
96	Comment on "protective arms of the renin-angiotensin system in neurological disease". <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2013</b> , 40, 838	3	
95	Optimization and characterization of a rat model of prostate cancer-induced bone pain using behavioral, pharmacological, radiological, histological and immunohistochemical methods. <i>Pharmacology Biochemistry and Behavior</i> , <b>2013</b> , 106, 33-46	3.9	22
94	The ECMO PK Project: an incremental research approach to advance understanding of the pharmacokinetic alterations and improve patient outcomes during extracorporeal membrane oxygenation. <i>BMC Anesthesiology</i> , <b>2013</b> , 13, 7	2.4	26
93	Small molecule angiotensin II type 2 receptor (AT <sub>2</sub> ) antagonists as novel analgesics for neuropathic pain: comparative pharmacokinetics, radioligand binding, and efficacy in rats. <i>Pain Medicine</i> , <b>2013</b> , 14, 692-705	2.8	68
92	A small molecule angiotensin II type 2 receptor (AT <sub>2</sub> ) antagonist produces analgesia in a rat model of neuropathic pain by inhibition of p38 mitogen-activated protein kinase (MAPK) and p44/p42 MAPK activation in the dorsal root ganglia. <i>Pain Medicine</i> , <b>2013</b> , 14, 1557-68	2.8	54
91	Altered antibiotic pharmacokinetics during extracorporeal membrane oxygenation: cause for concern?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 726-7	5.1	35
90	Pathobiology of cancer chemotherapy-induced peripheral neuropathy (CIPN). <i>Frontiers in Pharmacology</i> , <b>2013</b> , 4, 156	5.6	157
89	Pharmacogenetics of pain and analgesia. <i>Clinical Genetics</i> , <b>2012</b> , 82, 321-30	4	24
88	Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , <b>2012</b> , 16, R194	10.8	171
87	Development and validation of a sensitive solid-phase-extraction (SPE) method using high-performance liquid chromatography/tandem mass spectrometry (LC-MS/MS) for determination of risidronate concentrations in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 881-882, 34-41	3.2	17
86	ASAP ECMO: Antibiotic, Sedative and Analgesic Pharmacokinetics during Extracorporeal Membrane Oxygenation: a multi-centre study to optimise drug therapy during ECMO. <i>BMC Anesthesiology</i> , <b>2012</b> , 12, 29	2.4	71
85	High-throughput assay for simultaneous quantification of the plasma concentrations of morphine, fentanyl, midazolam and their major metabolites using automated SPE coupled to LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 903, 126-33	3.2	47
84	Pharmacokinetic changes in patients receiving extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , <b>2012</b> , 27, 741.e9-18	4	193
83	Synthesis and biological evaluation of an orally active glycosylated endomorphin-1. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 5859-67	8.3	62
82	Lipo-endomorphin-1 derivatives with systemic activity against neuropathic pain without producing constipation. <i>PLoS ONE</i> , <b>2012</b> , 7, e41909	3.7	26
81	Pregabalin for the treatment of fibromyalgia. <i>Expert Opinion on Pharmacotherapy</i> , <b>2012</b> , 13, 1527-33	4	15
80	Development of simulated and ovine models of extracorporeal life support to improve understanding of circuit-host interactions. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , <b>2012</b> , 14, 105-11	2.8	19



79	Pain, analgesia and genetics. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 1387-400	4.8	37
78	Longitudinal study of painful diabetic neuropathy in the Zucker diabetic fatty rat model of type 2 diabetes: impaired basal G-protein activity appears to underpin marked morphine hyposensitivity at 6 months. <i>Pain Medicine</i> , <b>2011</b> , 12, 437-50	2.8	21
77	Insulin implants prevent the temporal development of mechanical allodynia and opioid hyposensitivity for 24-wks in streptozotocin (STZ)-diabetic Wistar rats. <i>Pain Medicine</i> , <b>2011</b> , 12, 782-93	2.8	11
76	PG545, a dual heparanase and angiogenesis inhibitor, induces potent anti-tumour and anti-metastatic efficacy in preclinical models. <i>British Journal of Cancer</i> , <b>2011</b> , 104, 635-42	8.7	137
75	Pregabalin in severe burn injury pain: a double-blind, randomised placebo-controlled trial. <i>Pain</i> , <b>2011</b> , 152, 1279-1288	8	60
74	A randomized, controlled trial of oxycodone versus placebo in patients with postherpetic neuralgia and painful diabetic neuropathy treated with pregabalin. <i>Journal of Pain</i> , <b>2010</b> , 11, 462-71	5.2	70
73	Preliminary study of the plasma and cerebrospinal fluid concentrations of IL-6 and IL-10 in patients with chronic pain receiving intrathecal opioid infusions by chronically implanted pump for pain management. <i>Pain Medicine</i> , <b>2010</b> , 11, 550-61	2.8	26
72	Comparative studies of the neuro-excitatory behavioural effects of morphine-3-glucuronide and dynorphin A(2-17) following spinal and supraspinal routes of administration. <i>Pharmacology Biochemistry and Behavior</i> , <b>2009</b> , 93, 498-505	3.9	11
71	Antinociception versus serum concentration relationships following acute administration of intravenous morphine in male and female Sprague-Dawley rats: differences between the tail flick and hot plate nociceptive tests. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2009</b> , 36, 20-8	3	26
70	chi-Conopeptide pharmacophore development: toward a novel class of norepinephrine transporter inhibitor (Xen2174) for pain. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 6991-7002	8.3	63
69	Sex differences in the pharmacokinetics, oxidative metabolism and oral bioavailability of oxycodone in the Sprague-Dawley rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 295-302	3	32
68	An update on the pharmacological management of post-herpetic neuralgia and painful diabetic neuropathy. <i>CNS Drugs</i> , <b>2008</b> , 22, 417-42	6.7	84
67	Differences between and combinations of opioids re-visited. <i>Current Opinion in Anaesthesiology</i> , <b>2008</b> , 21, 596-601	2.9	30
66	Studies on neurosteroids XIX. Development and validation of liquid chromatography-tandem mass spectrometric method for determination of 5alpha-reduced pregnane-type neurosteroids in rat brain and serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 848, 264-70	3.2	40
65	Low-level quantitation of oxycodone and its oxidative metabolites, noroxycodone, and oxymorphone, in rat plasma by high-performance liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 848, 264-70	3.2	20
64	Studies with ketamine and alfentanil following Freund® complete adjuvant-induced inflammation in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2007</b> , 34, 414-20	3	4
63	Oxycodone and morphine have distinctly different pharmacological profiles: radioligand binding and behavioural studies in two rat models of neuropathic pain. <i>Pain</i> , <b>2007</b> , 132, 289-300	8	117
62	Oxycodone® mechanism of action and potency differences after spinal and systemic routes of administration. <i>Anesthesiology</i> , <b>2007</b> , 106, 1063-4; author reply 1064-5	4.3	6

61	Anti-allodynic efficacy of the chi-conopeptide, Xen2174, in rats with neuropathic pain. <i>Pain</i> , <b>2005</b> , 118, 112-24	8	70
60	Simultaneous determination of morphine, oxycodone, morphine-3-glucuronide, and noroxycodone concentrations in rat serum by high performance liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 814, 241-9	3.2	32
59	Co-administration of oxycodone and morphine and analgesic synergy re-examined. <i>British Journal of Clinical Pharmacology</i> , <b>2005</b> , 59, 486-7; author reply 487-8	3.8	5
58	Ventilatory responses of healthy subjects to intravenous combinations of morphine and oxycodone under imposed hypercapnic and hypoxaemic conditions. <i>British Journal of Clinical Pharmacology</i> , <b>2005</b> , 59, 524-35	3.8	22
57	Comparison of the pharmacokinetics of oxycodone and noroxycodone in male dark agouti and Sprague-Dawley rats: influence of streptozotocin-induced diabetes. <i>Pharmaceutical Research</i> , <b>2005</b> , 22, 1489-98	4.5	17
56	Measurement of intracellular Ca <sup>2+</sup> in cultured rat embryonic hippocampal neurons using a fluorescence microplate reader: potential application to biomolecular screening. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2004</b> , 49, 81-7	1.7	19
55	Deletion of guanine nucleotide binding protein alpha z subunit in mice induces a gene dose dependent tolerance to morphine. <i>Neuropharmacology</i> , <b>2004</b> , 46, 836-46	5.5	14
54	Morphine-3-glucuronide neuro-excitatory effects are mediated via indirect activation of N-methyl-D-aspartic acid receptors: mechanistic studies in embryonic cultured hippocampal neurones. <i>Anesthesia and Analgesia</i> , <b>2003</b> , 97, 494-505	3.9	49
53	The neuroexcitatory morphine metabolite, morphine-3-glucuronide (M3G), is not neurotoxic in primary cultures of either hippocampal or cerebellar granule neurones. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2003</b> , 93, 197-200		3
52	The streptozotocin-diabetic rat as a model of the chronic complications of human diabetes. <i>Heart Lung and Circulation</i> , <b>2003</b> , 12, 44-50	1.8	144
51	A simple, low-cost, remote fiber-optic micro volume fluorescence flowcell for capillary flow-injection analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 385-9	4.4	9
50	The novel N-type calcium channel blocker, AM336, produces potent dose-dependent antinociception after intrathecal dosing in rats and inhibits substance P release in rat spinal cord slices. <i>Pain</i> , <b>2002</b> , 96, 119-27	8	133
49	Opioid analgesic prescribing and use - an audit of analgesic prescribing by general practitioners and The Multidisciplinary Pain Centre at Royal Brisbane Hospital. <i>British Journal of Clinical Pharmacology</i> , <b>2001</b> , 52, 693-8	3.8	28
48	Sensory changes during the ovulatory phase of the menstrual cycle in healthy women. <i>European Journal of Pain</i> , <b>2001</b> , 5, 135-44	3.7	54
47	Oxycodone has a distinctly different pharmacology from morphine. <i>European Journal of Pain</i> , <b>2001</b> , 5, 135-136	3.7	5
46	The role of morphine-6-glucuronide (M6G) in pain control. <i>Pain Reviews</i> , <b>2001</b> , 8, 171-191		6
45	Hydromorphone-3-glucuronide: a more potent neuro-excitant than its structural analogue, morphine-3-glucuronide. <i>Life Sciences</i> , <b>2001</b> , 69, 409-20	6.8	93
44	Neuroexcitatory effects of morphine and hydromorphone: evidence implicating the 3-glucuronide metabolites. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2000</b> , 27, 524-8	3	209



43	Co-administration of sub-antinociceptive doses of oxycodone and morphine produces marked antinociceptive synergy with reduced CNS side-effects in rats. <i>Pain</i> , <b>2000</b> , 84, 421-8	8	66
42	Brain region-specific studies of the excitatory behavioral effects of morphine-3-glucuronide. <i>Life Sciences</i> , <b>1999</b> , 65, 225-36	6.8	19
41	Cerebrospinal Fluid and Plasma Concentrations of Morphine, Morphine-3-Glucuronide, and Morphine-6-Glucuronide in Patients Before and After Initiation of Intracerebroventricular Morphine for Cancer Pain Management. <i>Anesthesia and Analgesia</i> , <b>1999</b> , 88, 109-116	3.9	3
40	Intraarticular and periarticular opioid binding in inflamed tissue in experimental canine arthritis. <i>Anesthesia and Analgesia</i> , <b>1999</b> , 89, 409-15	3.9	8
39	Cerebrospinal Fluid and Plasma Concentrations of Morphine, Morphine-3-Glucuronide, and Morphine-6-Glucuronide in Patients Before and After Initiation of Intracerebroventricular Morphine for Cancer Pain Management. <i>Anesthesia and Analgesia</i> , <b>1999</b> , 88, 109-116	3.9	26
38	Intraarticular and Periarticular Opioid Binding in Inflamed Tissue in Experimental Canine Arthritis. <i>Anesthesia and Analgesia</i> , <b>1999</b> , 89, 409-415	3.9	37
37	Solid-phase extraction method with high-performance liquid chromatography and electrochemical detection for the quantitative analysis of oxycodone in human plasma. <i>Biomedical Applications</i> , <b>1998</b> , 712, 169-75		19
36	Investigation of the antinociceptive efficacy and relative potency of extended duration injectable 3-acylmorphine-6-sulfate prodrugs in rats. <i>International Journal of Pharmaceutics</i> , <b>1998</b> , 163, 191-201	6.5	9
35	Hydromorphone-3-glucuronide: biochemical synthesis and preliminary pharmacological evaluation. <i>Life Sciences</i> , <b>1998</b> , 63, 401-11	6.8	42
34	Clinical Pharmacology and Adverse Effects <b>1998</b> , 188-211		1
33	Improved one-step solid-phase extraction method for morphine, morphine-3-glucuronide, and morphine-6-glucuronide from plasma and quantitation using high-performance liquid chromatography with electrochemical detection. <i>Therapeutic Drug Monitoring</i> , <b>1998</b> , 20, 215-8	3.2	8
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31	Biochemical synthesis, purification and preliminary pharmacological evaluation of normorphine-3-glucuronide. <i>Life Sciences</i> , <b>1997</b> , 61, 95-104	6.8	4
30	The intrinsic antinociceptive effects of oxycodone appear to be kappa-opioid receptor mediated. <i>Pain</i> , <b>1997</b> , 73, 151-157	8	178
29	Effects of morphine-3-glucuronide and morphine on the K+-evoked release of [3H]-glutamic acid and [14C]-gamma-aminobutyric acid from rat brain synaptosomes. <i>Life Sciences</i> , <b>1996</b> , 58, 447-54	6.8	11
28	Quantitative autoradiography of peripheral opioid binding sites in rat lung. <i>European Journal of Pharmacology</i> , <b>1996</b> , 310, 47-53	5.3	20
27	Morphine-3-glucuronide: evidence to support its putative role in the development of tolerance to the antinociceptive effects of morphine in the rat. <i>Pain</i> , <b>1995</b> , 62, 51-60	8	79
26	Pharmacokinetics and Pharmacodynamics of Oxycodone When Given Intravenously and Rectally to Adult Patients with Cancer Pain. <i>Anesthesia and Analgesia</i> , <b>1995</b> , 80, 296-302	3.9	1

25	Pharmacokinetics and pharmacodynamics of oxycodone when given intravenously and rectally to adult patients with cancer pain. <i>Anesthesia and Analgesia</i> , <b>1995</b> , 80, 296-302	3.9	71
24	Characterization of non-conventional opioid binding sites in rat and human lung. <i>European Journal of Pharmacology</i> , <b>1994</b> , 268, 247-55		45
23	Pharmacology of morphine and morphine-3-glucuronide at opioid, excitatory amino acid, GABA and glycine binding sites. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1994</b> , 75, 73-81		57
22	Comments on Goucke et al., PAIN, 56 (1994) 145-149. <i>Pain</i> , <b>1994</b> , 59, 155-156	8	
21	The excitatory effects of morphine-3-glucuronide are attenuated by LY274614, a competitive NMDA receptor antagonist, and by midazolam, an agonist at the benzodiazepine site on the GABAA receptor complex. <i>Life Sciences</i> , <b>1994</b> , 54, 687-94	6.8	77
20	The antinociceptive potencies of oxycodone, noroxycodone and morphine after intracerebroventricular administration to rats. <i>Life Sciences</i> , <b>1994</b> , 54, 1229-36	6.8	40
19	Quantitation of morphine, morphine-3-glucuronide, and morphine-6-glucuronide in plasma and cerebrospinal fluid using solid-phase extraction and high-performance liquid chromatography with electrochemical detection. <i>Therapeutic Drug Monitoring</i> , <b>1994</b> , 16, 200-8	3.2	51
18	Determination of the serum protein binding of oxycodone and morphine using ultrafiltration. <i>Therapeutic Drug Monitoring</i> , <b>1993</b> , 15, 440-7	3.2	41
17	Comparative oxycodone pharmacokinetics in humans after intravenous, oral, and rectal administration. <i>Therapeutic Drug Monitoring</i> , <b>1992</b> , 14, 479-84	3.2	65
16	Single-dose and steady-state pharmacokinetics and pharmacodynamics of oxycodone in patients with cancer. <i>Clinical Pharmacology and Therapeutics</i> , <b>1992</b> , 52, 487-95	6.1	119
15	Quantitation of oxycodone in human plasma using high-performance liquid chromatography with electrochemical detection. <i>Therapeutic Drug Monitoring</i> , <b>1991</b> , 13, 126-30	3.2	22
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12	Correlations between in vitro dissolution, in vivo bioavailability and hypoglycaemic effect of oral glibenclamide. <i>European Journal of Clinical Pharmacology</i> , <b>1986</b> , 31, 177-82	2.8	40
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