

Maree T Smith

List of Publications by Year in descending order

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174
papers

7,577
citations

53660

45
h-index

62479

80
g-index

176
all docs

176
docs citations

176
times ranked

7656
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphine-3-glucuronide - a potent antagonist of morphine analgesia. <i>Life Sciences</i> , 1990, 47, 579-585.	2.0	307
2	The pharmacokinetics of midazolam in man. <i>European Journal of Clinical Pharmacology</i> , 1981, 19, 271-278.	0.8	266
3	Pharmacokinetic changes in patients receiving extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2012, 27, 741.e9-741.e18.	1.0	257
4	Neuroexcitatory Effects Of Morphine And Hydromorphone: Evidence Implicating The 3-Glucuronide Metabolites. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000, 27, 524-528.	0.9	255
5	Bioerodable PLGA-Based Microparticles for Producing Sustained-Release Drug Formulations and Strategies for Improving Drug Loading. <i>Frontiers in Pharmacology</i> , 2016, 7, 185.	1.6	255
6	Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , 2012, 16, R194.	2.5	233
7	The intrinsic antinociceptive effects of oxycodone appear to be μ -opioid receptor mediated. <i>Pain</i> , 1997, 73, 151-157.	2.0	228
8	Pathobiology of cancer chemotherapy-induced peripheral neuropathy (CIPN). <i>Frontiers in Pharmacology</i> , 2013, 4, 156.	1.6	204
9	The streptozotocin-diabetic rat as a model of the chronic complications of human diabetes. <i>Heart Lung and Circulation</i> , 2003, 12, 44-50.	0.2	173
10	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> , 2002, 96, 119-127.	2.0	155
11	PG545, a dual heparanase and angiogenesis inhibitor, induces potent anti-tumour and anti-metastatic efficacy in preclinical models. <i>British Journal of Cancer</i> , 2011, 104, 635-642.	2.9	154
12	Oxycodone and morphine have distinctly different pharmacological profiles: Radioligand binding and behavioural studies in two rat models of neuropathic pain. <i>Pain</i> , 2007, 132, 289-300.	2.0	149
13	Neurotrophins and Neuropathic Pain: Role in Pathobiology. <i>Molecules</i> , 2015, 20, 10657-10688.	1.7	145
14	Single-dose and steady-state pharmacokinetics and pharmacodynamics of oxycodone in patients with cancer. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 52, 487-495.	2.3	136
15	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3580-3585.	7.2	126
16	Hydromorphone-3-glucuronide. <i>Life Sciences</i> , 2001, 69, 409-420.	2.0	119
17	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> , 1995, 62, 51-60.	2.0	107
18	Dose-dependent pharmacokinetics of caffeine in humans: Relevance as a test of quantitative liver function. <i>Clinical Pharmacology and Therapeutics</i> , 1990, 47, 516-524.	2.3	99

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19	Multiple sclerosis-induced neuropathic pain: pharmacological management and pathophysiological insights from rodent EAE models. <i>Inflammopharmacology</i> , 2014, 22, 1-22.	1.9	98
20	An Update on the Pharmacological Management of Post-Herpetic Neuralgia and Painful Diabetic Neuropathy. <i>CNS Drugs</i> , 2008, 22, 417-442.	2.7	97
21	Progress in understanding mechanisms of opioid-induced gastrointestinal adverse effects and respiratory depression. <i>Neuropharmacology</i> , 2018, 131, 238-255.	2.0	97
22	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> , 1994, 54, 687-694.	2.0	91
23	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> , 2012, 12, 29.	0.7	90
24	Pharmacokinetics and Pharmacodynamics of Oxycodone When Given Intravenously and Rectally to Adult Patients with Cancer Pain. <i>Anesthesia and Analgesia</i> , 1995, 80, 296-302.	1.1	87
25	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> , 2010, 11, 462-471.	0.7	85
26	Small Molecule Angiotensin II Type 2 Receptor (AT ₂ R) Antagonists as Novel Analgesics for Neuropathic Pain: Comparative Pharmacokinetics, Radioligand Binding, and Efficacy in Rats. <i>Pain Medicine</i> , 2013, 14, 692-705.	0.9	79
27	Anti-allodynic efficacy of the μ -conopeptide, Xen2174, in rats with neuropathic pain. <i>Pain</i> , 2005, 118, 112-124.	2.0	78
28	Comparative Oxycodone Pharmacokinetics in Humans After Intravenous, Oral, and Rectal Administration. <i>Therapeutic Drug Monitoring</i> , 1992, 14, 479-484.	1.0	75
29	Co-administration of sub-antinociceptive doses of oxycodone and morphine produces marked antinociceptive synergy with reduced CNS side-effects in rats. <i>Pain</i> , 2000, 84, 421-428.	2.0	75
30	Pregabalin in severe burn injury pain: A double-blind, randomised placebo-controlled trial. <i>Pain</i> , 2011, 152, 1279-1288.	2.0	74
31	Synthesis and Biological Evaluation of an Orally Active Glycosylated Endomorphin-1. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5859-5867.	2.9	72
32	μ -Conopeptide Pharmacophore Development: Toward a Novel Class of Norepinephrine Transporter Inhibitor (Xen2174) for Pain. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6991-7002.	2.9	70
33	A Small Molecule Angiotensin II Type 2 Receptor (AT ₂ R) 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> , 2013, 14, 1557-1568.	0.9	66
34	Sensory changes during the ovulatory phase of the menstrual cycle in healthy women. <i>European Journal of Pain</i> , 2001, 5, 135-144.	1.4	65
35	Pharmacology of Morphine and Morphine- β -glucuronide at Opioid, Excitatory Amino Acid, GABA and Glycine Binding Sites. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1994, 75, 73-81.	0.0	62
36	Pharmacological inhibition of the NLRP3 inflammasome as a potential target for multiple sclerosis induced central neuropathic pain. <i>Inflammopharmacology</i> , 2018, 26, 77-86.	1.9	62

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37	Morphine-3-Glucuronide's 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> , 2003, 97, 494-505.	1.1	61
38	Pharmacokinetics of midazolam in the aged. <i>European Journal of Clinical Pharmacology</i> , 1984, 26, 381-388.	0.8	58
39	<i>In vivo</i> profiling of seven common opioids for antinociception, constipation and respiratory depression: no two opioids have the same profile. <i>British Journal of Pharmacology</i> , 2015, 172, 532-548.	2.7	57
40	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> , 1994, 16, 200-208.	1.0	55
41	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> , 2012, 903, 126-133.	1.2	51
42	Hydromorphone-3-glucuronide: Biochemical synthesis and preliminary pharmacological evaluation. <i>Life Sciences</i> , 1998, 63, 401-411.	2.0	49
43	The cubane paradigm in bioactive molecule discovery: further scope, limitations and the cyclooctatetraene complement. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6790-6798.	1.5	49
44	Characterization of non-conventional opioid binding sites in rat and human lung. <i>European Journal of Pharmacology</i> , 1994, 268, 247-255.	2.7	47
45	The antinociceptive potencies of oxycodone, noroxycodone and morphine after intracerebroventricular administration to rats. <i>Life Sciences</i> , 1994, 54, 1229-1236.	2.0	46
46	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> , 2008, 35, 295-302.	0.9	46
47	Determination of the Serum Protein Binding of Oxycodone and Morphine Using Ultrafiltration. <i>Therapeutic Drug Monitoring</i> , 1993, 15, 440-447.	1.0	45
48	Studies on neurosteroids XIX. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 848, 188-199.	1.2	45
49	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> , 2014, 15, 93-110.	0.9	45
50	Correlations between in vitro dissolution, in vivo bioavailability and hypoglycaemic effect of oral glibenclamide. <i>European Journal of Clinical Pharmacology</i> , 1986, 31, 177-182.	0.8	44
51	Pain, analgesia and genetics. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1387-1400.	1.2	43
52	Intraarticular and Periarticular Opioid Binding in Inflamed Tissue in Experimental Canine Arthritis. <i>Anesthesia and Analgesia</i> , 1999, 89, 409-415.	1.1	42
53	Altered antibiotic pharmacokinetics during extracorporeal membrane oxygenation: cause for concern?. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 726-727.	1.3	42
54	Selective small molecule angiotensin II type 2 receptor antagonists for neuropathic pain. <i>Pain</i> , 2016, 157, S33-S41.	2.0	42

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55	Propranolol, Propranolol Glucuronide, and Naphthoxylactic Acid in Breast Milk and Plasma. <i>Therapeutic Drug Monitoring</i> , 1983, 5, 87-94.	1.0	41
56	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> , 2018, 175, 2204-2218.	2.7	39
57	Pathobiology and management of prostate cancer-induced bone pain: recent insights and future treatments. <i>Inflammopharmacology</i> , 2013, 21, 339-363.	1.9	38
58	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> , 2013, 13, 7.	0.7	38
59	The Walker 256 Breast Cancer Cell- Induced Bone Pain Model in Rats. <i>Frontiers in Pharmacology</i> , 2016, 7, 286.	1.6	38
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> , 2005, 814, 241-249.	1.2	36
61	Sustained-release ketamine-loaded nanoparticles fabricated by sequential nanoprecipitation. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119291.	2.6	36
62	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> , 1999, 88, 109-116.	1.1	34
63	Differences between and combinations of opioids re-visited. <i>Current Opinion in Anaesthesiology</i> , 2008, 21, 596-601.	0.9	34
64	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> , 2014, 126, 13-27.	1.3	34
65	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , 2016, 128, 3644-3649.	1.6	34
66	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> , 2001, 52, 693-698.	1.1	33
67	Optimization and pharmacological characterization of a refined cisplatin-induced rat model of peripheral neuropathic pain. <i>Behavioural Pharmacology</i> , 2014, 25, 732-740.	0.8	32
68	Antiallodynic effects of alpha lipoic acid in an optimized <sc>RR</sc>-EAE mouse model of <sc>MS</sc>-neuropathic pain are accompanied by attenuation of upregulated <sc>BDNF</sc>-TrkB-ERK signaling in the dorsal horn of the spinal cord. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00137.	1.1	32
69	In vivo High Angular Resolution Diffusion-Weighted Imaging of Mouse Brain at 16.4 Tesla. <i>PLoS ONE</i> , 2015, 10, e0130133.	1.1	32
70	Targeting angiotensin II type 2 receptor pathways to treat neuropathic pain and inflammatory pain. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 25-35.	1.5	32
71	Pharmacogenetics of pain and analgesia. <i>Clinical Genetics</i> , 2012, 82, 321-330.	1.0	31
72	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> , 2014, 41, 798-806.	0.9	31

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73	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> , 2009, 36, 20-28.	0.9	29
74	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> , 2010, 11, 550-561.	0.9	29
75	Lipo-Endomorphin-1 Derivatives with Systemic Activity against Neuropathic Pain without Producing Constipation. <i>PLoS ONE</i> , 2012, 7, e41909.	1.1	29
76	The effect of 1Âmg folic acid supplementation on clinical outcomes in female migraine with aura patients. <i>Journal of Headache and Pain</i> , 2016, 17, 60.	2.5	29
77	Quantitation of Oxycodone in Human Plasma Using High-Performance Liquid Chromatography with Electrochemical Detection. <i>Therapeutic Drug Monitoring</i> , 1991, 13, 126-130.	1.0	27
78	Brain region-specific studies of the excitatory behavioral effects of morphine-3-glucuronide. <i>Life Sciences</i> , 1999, 65, 225-236.	2.0	27
79	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> , 2016, 10, 88.	1.0	27
80	A Sensitive Liquid Chromatographic Assay for Plasma Aspirin and Salicylate Concentrations After Low Doses of Aspirin. <i>Therapeutic Drug Monitoring</i> , 1985, 7, 216-221.	1.0	26
81	Deletion of guanine nucleotide binding protein β subunit in mice induces a gene dose dependent tolerance to morphine. <i>Neuropharmacology</i> , 2004, 46, 836-846.	2.0	26
82	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> , 2011, 12, 437-450.	0.9	26
83	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> , 2013, 106, 33-46.	1.3	26
84	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> , 2018, 3, e669.	1.4	26
85	Quantitative autoradiography of peripheral opioid binding sites in rat lung. <i>European Journal of Pharmacology</i> , 1996, 310, 47-53.	1.7	25
86	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> , 2005, 59, 524-535.	1.1	25
87	Cyclooctatetraene: A Bioactive Cubane Paradigm Complement. <i>Chemistry - A European Journal</i> , 2019, 25, 2729-2734.	1.7	24
88	Countering opioid-induced respiratory depression by non-opioids that are respiratory stimulants. <i>F1000Research</i> , 2020, 9, 91.	0.8	24
89	Propranolol in Pregnancy Three Year Prospective Study. <i>Clinical and Experimental Hypertension Part B, Hypertension in Pregnancy</i> , 1983, 2, 341-350.	0.2	23
90	Analgesic efficacy of small-molecule angiotensin II type 2 receptor antagonists in a rat model of antiretroviral toxic polyneuropathy. <i>Behavioural Pharmacology</i> , 2014, 25, 137-146.	0.8	23

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91	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> , 2014, 233, 166-171.	1.3	23
92	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> , 2015, 104, 2334-2344.	1.6	23
93	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> , 1998, 712, 169-175.	1.7	22
94	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> , 2005, 22, 1489-1498.	1.7	22
95	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> , 2007, 848, 264-270.	1.2	22
96	Measurement of intracellular Ca ²⁺ in cultured rat embryonic hippocampal neurons using a fluorescence microplate reader: potential application to biomolecular screening. <i>Journal of Pharmacological and Toxicological Methods</i> , 2004, 49, 81-87.	0.3	21
97	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 risedronate concentrations in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 881-882, 34-41.	1.2	21
98	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> , 2014, 972, 14-21.	1.2	21
99	In vitro methods for hazard assessment of industrial chemicals – opportunities and challenges. <i>Frontiers in Pharmacology</i> , 2015, 6, 94.	1.6	20
100	Pregabalin for the treatment of fibromyalgia. <i>Expert Opinion on Pharmacotherapy</i> , 2012, 13, 1527-1533.	0.9	19
101	Chronic low back pain: a mini-review on pharmacological management and pathophysiological insights from clinical and pre-clinical data. <i>Inflammopharmacology</i> , 2018, 26, 881-898.	1.9	19
102	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> , 2012, 14, 105-11.	0.0	19
103	Pharmacokinetics of prazepam in man. <i>European Journal of Clinical Pharmacology</i> , 1979, 16, 141-147.	0.8	17
104	Intraarticular and Periarticular Opioid Binding in Inflamed Tissue in Experimental Canine Arthritis. <i>Anesthesia and Analgesia</i> , 1999, 89, 409-415.	1.1	17
105	Peripherally acting novel lipo-endorphin-1 peptides in neuropathic pain without producing constipation. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1898-1904.	1.4	17
106	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> , 2018, 9, 495.	1.6	17
107	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 (AT2) Receptor Antagonist. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 389.	1.4	16
108	Journey to the Market: The Evolution of Biodegradable Drug Delivery Systems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 935.	1.3	16

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109	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> , 2009, 93, 498-505.	1.3	15
110	Optimization and In Vivo 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> , 2017, 8, 442.	1.6	15
111	Metabolism of propranolol in the human maternal-placental-foetal unit. <i>European Journal of Clinical Pharmacology</i> , 1983, 24, 727-732.	0.8	14
112	Morphine has a Dual Concentration-dependent Effect on K ⁺ -evoked Substance P Release from Rat Peripheral Airways. <i>Pulmonary Pharmacology and Therapeutics</i> , 1997, 10, 215-221.	1.1	14
113	The furoxan nitric oxide donor, <sc>PRG</sc>150, evokes doseâ€dependent analgesia in a rat model of painful diabetic neuropathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 921-929.	0.9	14
114	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> , 2015, 104, 2388-2396.	1.6	14
115	Establishment and Characterization of a Novel Rat Model of Mechanical Low Back Pain Using Behavioral, Pharmacologic and Histologic Methods. <i>Frontiers in Pharmacology</i> , 2017, 8, 493.	1.6	14
116	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> , 1995, 58, 447-454.	2.0	13
117	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> , 2011, 12, 782-793.	0.9	13
118	Angiotensin II Type 2â€Receptor: New Clinically Validated Target in the Treatment of Neuropathic Pain. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 97, 128-130.	2.3	13
119	Sustained-Release Hydromorphone Microparticles Produced by Supercritical Fluid Polymer Encapsulation. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 811-814.	1.6	13
120	Analgesic Opioid Ligand Discovery Based on Nonmorphinan Scaffolds Derived from Natural Sources. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1612-1661.	2.9	13
121	Chronic propranolol administration during pregnancy. <i>European Journal of Clinical Pharmacology</i> , 1983, 25, 481-490.	0.8	12
122	A simple, low-cost, remote fiber-optic micro volume fluorescence flowcell for capillary flow-injection analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 385-389.	1.9	12
123	Endomorphin analogues with mixed μ -opioid (MOP) receptor agonism/ δ -opioid (DOP) receptor antagonism and lacking β -arrestin2 recruitment activity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2208-2219.	1.4	12
124	Intracerebroventricular administration of CYX-6, a potent μ -opioid receptor agonist, a δ - and κ -opioid receptor antagonist and a biased ligand at μ , δ & κ -opioid receptors, evokes antinociception with minimal constipation and respiratory depression in rats in contrast to morphine. <i>European Journal of Pharmacology</i> , 2020, 871, 172918.	1.7	12
125	<i>In Vitro</i> Metabolic Stability and <i>in Vivo</i> Biodistribution of 3-Methyl-4-furoxancarbaldehyde Using PET Imaging in Rats. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 563-567.	1.3	11
126	Evaluation of a High-Throughput Peptide Reactivity Format Assay for Assessment of the Skin Sensitization Potential of Chemicals. <i>Frontiers in Pharmacology</i> , 2016, 7, 53.	1.6	10

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127	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> , 1998, 163, 191-201.	2.6	9
128	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> , 1999, 88, 109-116.	1.1	9
129	A novel fully validated LC-MS/MS method for quantification of pyridoxal-5-phosphate concentrations in samples of human whole blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 77-83.	1.2	9
130	Use of Microfluidics to Fabricate Bioerodable Lipid Hybrid Nanoparticles Containing Hydromorphone or Ketamine for the Relief of Intractable Pain. <i>Pharmaceutical Research</i> , 2020, 37, 211.	1.7	9
131	Simple and Reliable Determination of Bromazepam in Human Plasma by High-Performance Liquid Chromatography. <i>Analytica Chimica Acta</i> , 1985, 177, 267-271.	2.6	8
132	Oxycodone has a distinctly different pharmacology from morphine. <i>European Journal of Pain</i> , 2001, 5, 135-136.	1.4	8
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