

Tony L Yaksh

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.

232 papers	14,744 citations	62 h-index	116 g-index
258 ext. papers	15,942 ext. citations	5.4 avg, IF	6.54 L-index

#	Paper	IF	Citations
232	DRGquant: A new modular AI-based pipeline for 3D analysis of the DRG.. <i>Journal of Neuroscience Methods</i> , 2022 , 371, 109497	3	0
231	Sex-Specific B Cell and Anti-Myelin Autoantibody Response After Peripheral Nerve Injury.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 835800	6.1	0
230	Evaluation of neurotoxicity and long-term function and behavior following intrathecal 1 % 2-chloroprocaine in juvenile rats. <i>NeuroToxicology</i> , 2021 , 88, 155-167	4.4	1
229	Systematic Review of Systemic and Neuraxial Effects of Acetaminophen in Preclinical Models of Nociceptive Processing. <i>Journal of Pain Research</i> , 2021 , 14, 3521-3552	2.9	1
228	Long-lasting analgesia via targeted in situ repression of Na1.7 in mice. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	15
227	Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	8
226	Sexual Dimorphism in the Expression of Pain Phenotype in Preclinical Models of Rheumatoid Arthritis. <i>Rheumatic Disease Clinics of North America</i> , 2021 , 47, 245-264	2.4	0
225	Treating osteoarthritis pain: mechanisms of action of acetaminophen, nonsteroidal anti-inflammatory drugs, opioids, and nerve growth factor antibodies. <i>Postgraduate Medicine</i> , 2021 , 133, 879-894	3.7	4
224	Sex differences in neuroimmune and glial mechanisms of pain. <i>Pain</i> , 2021 , 162, 2186-2200	8	5
223	A myelin basic protein fragment induces sexually dimorphic transcriptome signatures of neuropathic pain in mice. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10807-10821	5.4	8
222	Pharmacodynamics of intrathecal and epidural fadolmidine, an α_2 -Adrenoceptor agonist, after bolus and infusion in dogs-comparison with clonidine. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020 , 393, 1459-1473	3.4	1
221	Topical Application of ASN008, a Permanently Charged Sodium Channel Blocker, Shows Robust Efficacy, a Rapid Onset, and Long Duration of Action in a Mouse Model of Pruritus. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020 , 374, 521-528	4.7	0
220	Unintended consequences of COVID-19 safety measures on patients with chronic knee pain forced to defer joint replacement surgery. <i>Pain Reports</i> , 2020 , 5, e855	3.5	15
219	Lipid rafts in glial cells: role in neuroinflammation and pain processing. <i>Journal of Lipid Research</i> , 2020 , 61, 655-666	6.3	21
218	Role of neuraxial drug delivery in cancer pain therapy. <i>Future Drug Discovery</i> , 2020 , 2, FDD49	2	
217	The neuropathic phenotype of the K/BxN transgenic mouse with spontaneous arthritis: pain, nerve sprouting and joint remodeling. <i>Scientific Reports</i> , 2020 , 10, 15596	4.9	4
216	Characterization of Effect of Repeated Bolus or Continuous Intrathecal Infusion of Morphine on Spinal Mass Formation in the Dog. <i>Neuromodulation</i> , 2019 , 22, 790-798	3.1	1

215	Characterization of Analgesic Actions of the Chronic Intrathecal Infusion of H-Dmt-D-Arg-Phe-Lys-NH ₂ in Rat. <i>Neuromodulation</i> , 2019 , 22, 781-789	3.1	4
214	Neuraxial Cytokines in Pain States. <i>Frontiers in Immunology</i> , 2019 , 10, 3061	8.4	37
213	Role of Toll-like receptor 4 signaling in mast cell-mediated migraine pain pathway. <i>Molecular Pain</i> , 2019 , 15, 1744806919867842	3.4	11
212	Nerve growth factor antibody for the treatment of osteoarthritis pain and chronic low-back pain: mechanism of action in the context of efficacy and safety. <i>Pain</i> , 2019 , 160, 2210-2220	8	41
211	Mast Cell Degranulation and Fibroblast Activation in the Morphine-induced Spinal Mass: Role of Mas-related G Protein-coupled Receptor Signaling. <i>Anesthesiology</i> , 2019 , 131, 132-147	4.3	11
210	Botulinum toxin blocks mast cells and prevents rosacea like inflammation. <i>Journal of Dermatological Science</i> , 2019 , 93, 58-64	4.3	24
209	Characterization of the antinociceptive effects of intrathecal DALDA peptides following bolus intrathecal delivery. <i>Scandinavian Journal of Pain</i> , 2019 , 19, 193-206	1.9	2
208	Neuraxial TNF and IFN-beta co-modulate persistent allodynia in arthritic mice. <i>Brain, Behavior, and Immunity</i> , 2019 , 76, 151-158	16.6	10
207	Unilateral Epidural Targeting of Resiniferatoxin Induces Bilateral Neurolysis of Spinal Nociceptive Afferents. <i>Pain Medicine</i> , 2019 , 20, 897-906	2.8	6
206	Letter to Editor re: "Unique Intradural Inflammatory Mass Containing Precipitated Morphine" by Kim et al. <i>Pain Practice</i> , 2019 , 19, 456	3	
205	Origins of antidromic activity in sensory afferent fibers and neurogenic inflammation. <i>Seminars in Immunopathology</i> , 2018 , 40, 237-247	12	18
204	Toxicology Evaluation of Drugs Administered via Uncommon Routes: Intranasal, Intraocular, Intrathecal/Intraspinal, and Intra-Articular. <i>International Journal of Toxicology</i> , 2018 , 37, 4-27	2.4	20
203	Target engagement and histopathology of neuraxial resiniferatoxin in dog. <i>Veterinary Anaesthesia and Analgesia</i> , 2018 , 45, 212-226	1.3	5
202	Rapid continuous 3D printing of customizable peripheral nerve guidance conduits. <i>Materials Today</i> , 2018 , 21, 951-959	21.8	110
201	A Study and Review of Effects of Botulinum Toxins on Mast Cell Dependent and Independent Pruritus. <i>Toxins</i> , 2018 , 10,	4.9	4
200	Targeting toll-like receptor-4 (TLR4)-an emerging therapeutic target for persistent pain states. <i>Pain</i> , 2018 , 159, 1908-1915	8	40
199	Effects of opioid and nonopioid analgesics on canine wheal formation and cultured human mast cell degranulation. <i>Toxicology and Applied Pharmacology</i> , 2018 , 338, 54-64	4.6	9
198	Development of New Analgesics: An Answer to Opioid Epidemic. <i>Trends in Pharmacological Sciences</i> , 2018 , 39, 1000-1002	13.2	7

197	Structural homology of myelin basic protein and muscarinic acetylcholine receptor: Significance in the pathogenesis of complex regional pain syndrome. <i>Molecular Pain</i> , 2018 , 14, 1744806918815005	3.4	6
196	Evolution of the Spinal Delivery of Opiate Analgesics 2018 , 803-817		
195	Inhibition of spinal 15-LOX-1 attenuates TLR4-dependent, nonsteroidal anti-inflammatory drug-unresponsive hyperalgesia in male rats. <i>Pain</i> , 2018 , 159, 2620-2629	8	7
194	Inhibition of Neuroinflammation by AIBP: Spinal Effects upon Facilitated Pain States. <i>Cell Reports</i> , 2018 , 23, 2667-2677	10.6	26
193	An overview of pathways encoding nociception. <i>Clinical and Experimental Rheumatology</i> , 2018 , 36, 172	2.2	10
192	The Polyanalgesic Consensus Conference (PACC): Recommendations on Intrathecal Drug Infusion Systems Best Practices and Guidelines. <i>Neuromodulation</i> , 2017 , 20, 96-132	3.1	158
191	Pharmacology, pharmacokinetics, and metabolism of the DNA-decoy AYX1 for the prevention of acute and chronic post-surgical pain. <i>Molecular Pain</i> , 2017 , 13, 1744806917703112	3.4	8
190	Characterization of the Effects of L-4-Chlorokynurenine on Nociception in Rodents. <i>Journal of Pain</i> , 2017 , 18, 1184-1196	5.2	12
189	Editor® Highlight: Formulation and Toxicology Evaluation of the Intrathecal AYX1 DNA-Decoy in Sprague Dawley Rats. <i>Toxicological Sciences</i> , 2017 , 159, 76-85	4.4	2
188	Effect of intrathecal glucocorticoids on the central glucocorticoid receptor in a rat nerve ligation model. <i>Scandinavian Journal of Pain</i> , 2017 , 16, 1-9	1.9	3
187	The Polyanalgesic Consensus Conference (PACC): Recommendations for Intrathecal Drug Delivery: Guidance for Improving Safety and Mitigating Risks. <i>Neuromodulation</i> , 2017 , 20, 155-176	3.1	91
186	Basic/Translational Development of Forthcoming Opioid- and Nonopioid-Targeted Pain Therapeutics. <i>Anesthesia and Analgesia</i> , 2017 , 125, 1714-1732	3.9	23
185	Reciprocal relationship between membrane type 1 matrix metalloproteinase and the algescic peptides of myelin basic protein contributes to chronic neuropathic pain. <i>Brain, Behavior, and Immunity</i> , 2017 , 60, 282-292	16.6	15
184	An overview of pathways encoding nociception. <i>Clinical and Experimental Rheumatology</i> , 2017 , 35 Suppl 107, 40-46	2.2	21
183	Current and Future Issues in the Development of Spinal Agents for the Management of Pain. <i>Current Neuropharmacology</i> , 2017 , 15, 232-259	7.6	38
182	Intrathecal Catheterization and Drug Delivery in Guinea Pigs: A Small-animal Model for Morphine-evoked Granuloma Formation. <i>Anesthesiology</i> , 2016 , 125, 378-94	4.3	9
181	Effects of intraplantar botulinum toxin-B on carrageenan-induced changes in nociception and spinal phosphorylation of GluA1 and Akt. <i>European Journal of Neuroscience</i> , 2016 , 44, 1714-22	3.5	3
180	The Emerging Role of Spinal Dynorphin in Chronic Pain: A Therapeutic Perspective. <i>Annual Review of Pharmacology and Toxicology</i> , 2016 , 56, 511-33	17.9	33

179	Analgesic properties of intrathecal glucocorticoids in three well established preclinical pain models. <i>Scandinavian Journal of Pain</i> , 2016 , 10, 90-102	1.9	4
178	Spinal activity of interleukin 6 mediates myelin basic protein-induced allodynia. <i>Brain, Behavior, and Immunity</i> , 2016 , 56, 378-89	16.6	22
177	Role of myelin auto-antigens in pain: a female connection. <i>Neural Regeneration Research</i> , 2016 , 11, 890-14.5	15	
176	Systemic TAK-242 prevents intrathecal LPS evoked hyperalgesia in male, but not female mice and prevents delayed allodynia following intraplantar formalin in both male and female mice: The role of TLR4 in the evolution of a persistent pain state. <i>Brain, Behavior, and Immunity</i> , 2016 , 56, 271-80	16.6	46
175	Identification of Psychoactive Degradants of Cannabidiol in Simulated Gastric and Physiological Fluid. <i>Cannabis and Cannabinoid Research</i> , 2016 , 1, 102-112	4.6	62
174	Primary Hydromorphone-Related Intrathecal Catheter Tip Granulomas: Is There a Role for Dose and Concentration?. <i>Neuromodulation</i> , 2016 , 19, 760-769	3.1	15
173	Ethical Concerns Regarding Human Study. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 866	6.8	2
172	Botulinum toxin in migraine: Role of transport in trigemino-somatic and trigemino-vascular afferents. <i>Neurobiology of Disease</i> , 2015 , 79, 111-22	7.5	21
171	The effects of intraplantar and intrathecal botulinum toxin type B on tactile allodynia in mono and polyneuropathy in the mouse. <i>Anesthesia and Analgesia</i> , 2015 , 121, 229-238	3.9	5
170	Current status and future directions of botulinum neurotoxins for targeting pain processing. <i>Toxins</i> , 2015 , 7, 4519-63	4.9	46
169	The search for novel analgesics: targets and mechanisms. <i>F1000prime Reports</i> , 2015 , 7, 56		68
168	Toll-like receptor signaling regulates cisplatin-induced mechanical allodynia in mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2014 , 73, 25-34	3.5	37
167	Botulinum toxin B in the sensory afferent: transmitter release, spinal activation, and pain behavior. <i>Pain</i> , 2014 , 155, 674-684	8	49
166	Preclinical toxicity screening of intrathecal oxytocin in rats and dogs. <i>Anesthesiology</i> , 2014 , 120, 951-61	4.3	19
165	Therapeutic use of botulinum toxin in migraine: mechanisms of action. <i>British Journal of Pharmacology</i> , 2014 , 171, 4177-92	8.6	59
164	TRPV1 expression regulationA further step in defining its biology: commentary for K. Zavala et al. "The anticancer antibiotic mithramycin-A inhibits TRPV1 expression in dorsal root ganglion neurons" [Neurosci. Lett. (2014) doi:10.1016/j.neulet.2014.01.021]. <i>Neuroscience Letters</i> , 2014 , 578, 209-10	3.3	
163	Intrathecal P/Q- and R-type calcium channel blockade of spinal substance P release and c-Fos expression. <i>Neuropharmacology</i> , 2013 , 75, 1-8	5.5	21
162	A Survey of Systems Involved in Nociceptive Processing 2013 , 3-21		2

161	Toll-like receptor signaling adapter proteins govern spread of neuropathic pain and recovery following nerve injury in male mice. <i>Journal of Neuroinflammation</i> , 2013 , 10, 148	10.1	79
160	Alfentanil: correlations between absence of effect upon subcutaneous mast cells and absence of granuloma formation after intrathecal infusion in the dog. <i>Neuromodulation</i> , 2013 , 16, 459-66; discussion 466	3.1	14
159	Intrathecal neurosteroids and a neurosteroid antagonist: effects on inflammation-evoked thermal hyperalgesia and tactile allodynia. <i>Neuroscience Letters</i> , 2013 , 548, 27-32	3.3	17
158	Spinal toll-like receptor signaling and nociceptive processing: regulatory balance between TIRAP and TRIF cascades mediated by TNF and IFN γ <i>Pain</i> , 2013 , 154, 733-742	8	27
157	Systematic analysis of rat 12/15-lipoxygenase enzymes reveals critical role for spinal eLOX3 hepoxilin synthase activity in inflammatory hyperalgesia. <i>FASEB Journal</i> , 2013 , 27, 1939-49	0.9	30
156	Effects of intrathecal SNC80, a delta receptor ligand, on nociceptive threshold and dorsal horn substance p release. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 347, 258-64	4.7	19
155	Intrathecal substance P-saporin in the dog: distribution, safety, and spinal neurokinin-1 receptor ablation. <i>Anesthesiology</i> , 2013 , 119, 1163-77	4.3	29
154	Persistent hyperalgesia in the cisplatin-treated mouse as defined by threshold measures, the conditioned place preference paradigm, and changes in dorsal root ganglia activated transcription factor 3: the effects of gabapentin, ketorolac, and etanercept. <i>Anesthesia and Analgesia</i> , 2013 , 116, 224-31	3.9	55
153	Role of meningeal mast cells in intrathecal morphine-evoked granuloma formation. <i>Anesthesiology</i> , 2013 , 118, 664-78	4.3	36
152	Polyanalgesic Consensus Conference--2012: recommendations to reduce morbidity and mortality in intrathecal drug delivery in the treatment of chronic pain. <i>Neuromodulation</i> , 2012 , 15, 467-82; discussion 482	3.1	86
151	Neuraxial analgesia in neonates and infants: a review of clinical and preclinical strategies for the development of safety and efficacy data. <i>Anesthesia and Analgesia</i> , 2012 , 115, 638-62	3.9	61
150	Polyanalgesic Consensus Conference--2012: consensus on diagnosis, detection, and treatment of catheter-tip granulomas (inflammatory masses). <i>Neuromodulation</i> , 2012 , 15, 483-95; discussion 496	3.1	71
149	Polyanalgesic Consensus Conference 2012: recommendations for the management of pain by intrathecal (intraspinal) drug delivery: report of an interdisciplinary expert panel. <i>Neuromodulation</i> , 2012 , 15, 436-64; discussion 464-6	3.1	186
148	Pharmacokinetic analysis of ziconotide (SNX-111), an intrathecal N-type calcium channel blocking analgesic, delivered by bolus and infusion in the dog. <i>Neuromodulation</i> , 2012 , 15, 508-19; discussion 519	3.1	31
147	Development and validation of an automated system for detection and assessment of scratching in the rodent. <i>Journal of Neuroscience Methods</i> , 2012 , 211, 1-10	3	6
146	K/BxN serum transfer arthritis as a model of inflammatory joint pain. <i>Methods in Molecular Biology</i> , 2012 , 851, 249-60	1.4	19
145	Spinal 12-lipoxygenase-derived hepoxilin A3 contributes to inflammatory hyperalgesia via activation of TRPV1 and TRPA1 receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6721-6	11.5	96
144	Characteristics of distribution of morphine and metabolites in cerebrospinal fluid and plasma with chronic intrathecal morphine infusion in humans. <i>Anesthesia and Analgesia</i> , 2012 , 115, 797-804	3.9	19

143	Intrathecal clonidine in the neonatal rat: dose-dependent analgesia and evaluation of spinal apoptosis and toxicity. <i>Anesthesia and Analgesia</i> , 2012 , 115, 450-60	3.9	34
142	Transient tactile allodynia following intrathecal puncture in mouse: contributions of Toll-like receptor signaling. <i>Neuroscience Letters</i> , 2011 , 504, 215-8	3.3	8
141	A brief comparison of the pathophysiology of inflammatory versus neuropathic pain. <i>Current Opinion in Anaesthesiology</i> , 2011 , 24, 400-7	2.9	126
140	The effects of intrathecal and systemic gabapentin on spinal substance P release. <i>Anesthesia and Analgesia</i> , 2011 , 112, 971-6	3.9	27
139	Spinal TLR4 mediates the transition to a persistent mechanical hypersensitivity after the resolution of inflammation in serum-transferred arthritis. <i>Pain</i> , 2011 , 152, 2881-2891	8	102
138	Spinal phosphoinositide 3-kinase-Akt-mammalian target of rapamycin signaling cascades in inflammation-induced hyperalgesia. <i>Journal of Neuroscience</i> , 2011 , 31, 2113-24	6.6	104
137	Spinal botulinum neurotoxin B: effects on afferent transmitter release and nociceptive processing. <i>PLoS ONE</i> , 2011 , 6, e19126	3.7	31
136	Regulation of spinal substance p release by intrathecal calcium channel blockade. <i>Anesthesiology</i> , 2011 , 115, 153-64	4.3	43
135	Inflammatory hyperalgesia induces essential bioactive lipid production in the spinal cord. <i>Journal of Neurochemistry</i> , 2010 , 114, 981-93	6	44
134	Validation of a preclinical spinal safety model: effects of intrathecal morphine in the neonatal rat. <i>Anesthesiology</i> , 2010 , 113, 183-99	4.3	35
133	Consent contraindicated?. <i>Science</i> , 2010 , 328, 45; author reply 45	33.3	2
132	Pain mechanisms in animal models of rheumatoid arthritis. <i>Scandinavian Journal of Pain</i> , 2010 , 1, 168-169.	9	
131	Intrathecal huperzine A increases thermal escape latency and decreases flinching behavior in the formalin test in rats. <i>Neuroscience Letters</i> , 2010 , 470, 6-9	3.3	17
130	Role of spinal p38alpha and beta MAPK in inflammatory hyperalgesia and spinal COX-2 expression. <i>NeuroReport</i> , 2010 , 21, 313-7	1.7	23
129	Release of prostaglandin E(2) and nitric oxide from spinal microglia is dependent on activation of p38 mitogen-activated protein kinase. <i>Anesthesia and Analgesia</i> , 2010 , 111, 554-60	3.9	40
128	[Vacuoles: a hollow threat?]. <i>Canadian Journal of Anaesthesia</i> , 2010 , 57, 195-200	3	
127	The Pain State Arising From the Laminitic Horse: Insights Into Future Analgesic Therapies. <i>Journal of Equine Veterinary Science</i> , 2010 , 30, 79-82	1.2	10
126	Characterization of the acute and persistent pain state present in K/BxN serum transfer arthritis. <i>Pain</i> , 2010 , 151, 394-403	8	94

125	Effects of intrathecal ketorolac on human experimental pain. <i>Anesthesiology</i> , 2010 , 112, 1216-24	4.3	38
124	Role of spinal cyclooxygenase in human postoperative and chronic pain. <i>Anesthesiology</i> , 2010 , 112, 1225-33	4.3	36
123	Effects of intrathecal ketamine in the neonatal rat: evaluation of apoptosis and long-term functional outcome. <i>Anesthesiology</i> , 2010 , 113, 147-59	4.3	63
122	Behavioral models of pain states evoked by physical injury to the peripheral nerve. <i>Neurotherapeutics</i> , 2009 , 6, 609-19	6.4	36
121	Acetaminophen prevents hyperalgesia in central pain cascade. <i>Neuroscience Letters</i> , 2008 , 442, 50-3	3.3	24
120	Spinal antinociceptive action of loperamide is mediated by opioid receptors in the formalin test in rats. <i>Neuroscience Letters</i> , 2008 , 448, 260-2	3.3	7
119	Development of a canine nociceptive thermal escape model. <i>Journal of Neuroscience Methods</i> , 2008 , 168, 88-97	3	34
118	Profiling of lipid mediators released spinally in response to peripheral painful inflammation. <i>FASEB Journal</i> , 2008 , 22, 1040.2	0.9	
117	Toxicology profile of N-methyl-D-aspartate antagonists delivered by intrathecal infusion in the canine model. <i>Anesthesiology</i> , 2008 , 108, 938-49	4.3	37
116	Inhibition of spinal constitutive NOS-2 by 1400W attenuates tissue injury and inflammation-induced hyperalgesia and spinal p38 activation. <i>European Journal of Neuroscience</i> , 2007 , 25, 2964-72	3.5	40
115	An assessment of the antinociceptive efficacy of intrathecal and epidural contulakin-G in rats and dogs. <i>Anesthesia and Analgesia</i> , 2007 , 104, 1505-13, table of contents	3.9	36
114	Effect of Needle Combination on the Analgesic Efficacy of the Tendinomuscular Meridians (TMM) System. <i>Medical Acupuncture</i> , 2007 , 19, 191-200	1.1	5
113	Farmacología central de la transmisión nociceptiva 2007 , 379-423		
112	Systemic and intrathecal effects of a novel series of phospholipase A2 inhibitors on hyperalgesia and spinal prostaglandin E2 release. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 466-75	4.7	63
111	Ziconotide. <i>CNS Drugs</i> , 2006 , 20, 340-341	6.7	3
110	Descending serotonergic facilitation of spinal ERK activation and pain behavior. <i>FEBS Letters</i> , 2006 , 580, 6629-34	3.8	77
109	Calcium channels as therapeutic targets in neuropathic pain. <i>Journal of Pain</i> , 2006 , 7, S13-30	5.2	108
108	Time course and role of morphine dose and concentration in intrathecal granuloma formation in dogs: a combined magnetic resonance imaging and histopathology investigation. <i>Anesthesiology</i> , 2006 , 105, 581-9	4.3	59

107	Opiate pharmacology of intrathecal granulomas. <i>Anesthesiology</i> , 2006 , 105, 590-8	4.3	61
106	Central pharmacology of nociceptive transmission 2006 , 371-414		6
105	Intrathecal minocycline attenuates peripheral inflammation-induced hyperalgesia by inhibiting p38 MAPK in spinal microglia. <i>European Journal of Neuroscience</i> , 2005 , 22, 2431-40	3.5	208
104	Anti-allodynic efficacy of the chi-conopeptide, Xen2174, in rats with neuropathic pain. <i>Pain</i> , 2005 , 118, 112-24	8	70
103	Spinal p38beta isoform mediates tissue injury-induced hyperalgesia and spinal sensitization. <i>Journal of Neurochemistry</i> , 2005 , 92, 1508-20	6	127
102	Spinal phospholipase A2 in inflammatory hyperalgesia: role of group IVA cPLA2. <i>British Journal of Pharmacology</i> , 2005 , 144, 940-52	8.6	68
101	Inhibition by spinal mu- and delta-opioid agonists of afferent-evoked substance P release. <i>Journal of Neuroscience</i> , 2005 , 25, 3651-60	6.6	104
100	Resting and evoked spinal substance P release during chronic intrathecal morphine infusion: parallels with tolerance and dependence. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 314, 1362-9	4.7	36
99	Isolation and culture of sensory neurons from the dorsal-root ganglia of embryonic or adult rats. <i>Methods in Molecular Medicine</i> , 2004 , 99, 189-202		32
98	Constitutive spinal cyclooxygenase-2 participates in the initiation of tissue injury-induced hyperalgesia. <i>Journal of Neuroscience</i> , 2004 , 24, 2727-32	6.6	83
97	Nonopioid actions of intrathecal dynorphin evoke spinal excitatory amino acid and prostaglandin E2 release mediated by cyclooxygenase-1 and -2. <i>Journal of Neuroscience</i> , 2004 , 24, 1451-8	6.6	61
96	Galanin acts at GalR1 receptors in spinal antinociception: synergy with morphine and AP-5. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 574-82	4.7	57
95	Intrathecal protease-activated receptor stimulation produces thermal hyperalgesia through spinal cyclooxygenase activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 311, 356-63	4.7	15
94	Intrathecal catheterization and drug delivery in the rat. <i>Methods in Molecular Medicine</i> , 2004 , 99, 109-21		37
93	Intrathecal ketorolac in dogs and rats. <i>Toxicological Sciences</i> , 2004 , 80, 322-34	4.4	37
92	A preclinical post laminectomy rat model mimics the human post laminectomy syndrome. <i>Journal of Neuroscience Methods</i> , 2004 , 137, 283-9	3	22
91	Galmic, a nonpeptide galanin receptor agonist, affects behaviors in seizure, pain, and forced-swim tests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10470-5	11.5	121
90	Cyclooxygenase inhibition in nerve-injury- and TNF-induced hyperalgesia in the rat. <i>Experimental Neurology</i> , 2004 , 185, 160-8	5.7	79

89	Preclinical insights into the implementation of intrathecal midazolam: a cautionary tale. <i>Anesthesia and Analgesia</i> , 2004 , 98, 1509-1511	3.9	23
88	The use of intrathecal midazolam in humans: a case study of process. <i>Anesthesia and Analgesia</i> , 2004 , 98, 1536-1545	3.9	67
87	Effects of chronic intrathecal infusion of a partial differential opioid agonist in dogs. <i>Toxicological Sciences</i> , 2003 , 71, 263-75	4.4	13
86	Spinal p38 MAP kinase is necessary for NMDA-induced spinal PGE(2) release and thermal hyperalgesia. <i>NeuroReport</i> , 2003 , 14, 1153-7	1.7	129
85	Chronically infused intrathecal morphine in dogs. <i>Anesthesiology</i> , 2003 , 99, 174-87	4.3	134
84	Neuraxial morphine may trigger transient motor dysfunction after a noninjurious interval of spinal cord ischemia: a clinical and experimental study. <i>Anesthesiology</i> , 2003 , 98, 862-70	4.3	49
83	Increased sensitivity of injured and adjacent uninjured rat primary sensory neurons to exogenous tumor necrosis factor-alpha after spinal nerve ligation. <i>Journal of Neuroscience</i> , 2003 , 23, 3028-38	6.6	251
82	Activation of p38 mitogen-activated protein kinase in spinal microglia is a critical link in inflammation-induced spinal pain processing. <i>Journal of Neurochemistry</i> , 2003 , 86, 1534-44	6	326
81	Spinal amino acid release and repeated withdrawal in spinal morphine tolerant rats. <i>British Journal of Pharmacology</i> , 2003 , 138, 689-97	8.6	16
80	Systemic and spinal analgesic activity of a delta-opioid-selective lantionine enkephalin analog. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 827-32	4.7	22
79	Localization of N-type Ca ²⁺ channels in the rat spinal cord following chronic constrictive nerve injury. <i>Experimental Brain Research</i> , 2002 , 147, 456-63	2.3	112
78	Inflammatory masses associated with intrathecal drug infusion: a review of preclinical evidence and human data. <i>Pain Medicine</i> , 2002 , 3, 300-12	2.8	137
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