

# James C Eisenach

## List of Publications by Year in descending order

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86  
papers

2,738  
citations

172457

29  
h-index

189892

50  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Percutaneous Neuromodulation of the Brachial Plexus and Sciatic Nerve for the Treatment of Acute Pain Following Surgery: Secondary Outcomes From a Multicenter, Randomized, Controlled Pilot Study. <i>Neuromodulation</i> , 2023, 26, 638-649.	0.8	4
2	Gadgeteering for Pain Relief: The 2021 John W. Severinghaus Lecture on Translational Science. <i>Anesthesiology</i> , 2022, 136, 888-900.	2.5	0
3	Systemic administration of a $\beta_2$ -adrenergic receptor agonist reduces mechanical allodynia and suppresses the immune response to surgery in a rat model of persistent post-incisional hypersensitivity. <i>Molecular Pain</i> , 2021, 17, 174480692199720.	2.1	7
4	Research approaches for evaluating opioid sparing in clinical trials of acute and chronic pain treatments: Initiative on Methods, Measurement, and Pain Assessment in Clinical Trials recommendations. <i>Pain</i> , 2021, 162, 2669-2681.	4.2	20
5	A Painful Beginning: Early Life Surgery Produces Long-Term Behavioral Disruption in the Rat. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 630889.	2.0	7
6	Heterogeneity in patterns of pain development after nerve injury in rats and the influence of sex. <i>Neurobiology of Pain (Cambridge, Mass )</i> , 2021, 10, 100069.	2.5	4
7	Creation of the Anesthesia Research Council. <i>Anesthesia and Analgesia</i> , 2020, 131, 1300-1303.	2.2	1
8	Recovery from nerve injury induced behavioral hypersensitivity in rats parallels resolution of abnormal primary sensory afferent signaling. <i>Pain</i> , 2020, 161, 949-959.	4.2	8
9	Nociceptive input after peripheral nerve injury results in cognitive impairment and alterations in primary afferent physiology in rats. <i>Pain</i> , 2020, 161, 960-969.	4.2	4
10	Peripheral nerve injury in rats induces alternations in choice behavior associated with food reinforcement. <i>Journal of Physiological Sciences</i> , 2019, 69, 769-777.	2.1	4
11	Spinal Exparel <sup>®</sup> —an extended duration of preclinical study needed. <i>British Journal of Anaesthesia</i> , 2019, 122, 298-300.	3.4	3
12	Peripheral oxytocin restores light touch and nociceptor sensory afferents towards normal after nerve injury. <i>Pain</i> , 2019, 160, 1146-1155.	4.2	12
13	Recovery of physical activity after cesarean delivery and its relationship with pain. <i>Pain</i> , 2019, 160, 2350-2357.	4.2	11
14	Capsaicin-induced pain and sensitisation in the postpartum period. <i>British Journal of Anaesthesia</i> , 2019, 122, 103-110.	3.4	6
15	Psychosocial Stress Delays Recovery of Postoperative Pain Following Incisional Surgery in the Rat. <i>Neuroscience</i> , 2018, 382, 35-47.	2.3	15
16	Blockade of $\beta_2$ -adrenergic or metabotropic glutamate receptors induces glutamate release in the locus coeruleus to activate descending inhibition in rats with chronic neuropathic hypersensitivity. <i>Neuroscience Letters</i> , 2018, 676, 41-45.	2.1	3
17	Incisional Nociceptive Input Impairs Attention-related Behavior and Is Associated with Reduced Neuronal Activity in the Prefrontal Cortex in Rats. <i>Anesthesiology</i> , 2018, 129, 778-790.	2.5	9
18	Gestational Obstructive Sleep Apnea: Biomarker Screening Models and Lack of Postpartum Resolution. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 549-555.	2.6	16

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19	Descending Noradrenergic Inhibition: An Important Mechanism of Gabapentin Analgesia in Neuropathic Pain. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1099, 93-100.	1.6	16
20	Pain after surgery. <i>Pain</i> , 2018, 159, 1010-1011.	4.2	24
21	Plasticity and Function of Spinal Oxytocin and Vasopressin Signaling during Recovery from Surgery with Nerve Injury. <i>Anesthesiology</i> , 2018, 129, 544-556.	2.5	17
22	Patterns of recovery from pain after cesarean delivery. <i>Pain</i> , 2018, 159, 2088-2096.	4.2	16
23	Pupil responses and pain ratings to heat stimuli: Reliability and effects of expectations and a conditioning pain stimulus. <i>Journal of Neuroscience Methods</i> , 2017, 279, 52-59.	2.5	20
24	Assessment of Behavioral Disruption in Rats with Abdominal Inflammation Using Visual Cue Titration and the Five-choice Serial-reaction Time Task. <i>Anesthesiology</i> , 2017, 127, 372-381.	2.5	11
25	Ketamine fails to prevent postoperative delirium. <i>Lancet, The</i> , 2017, 390, 206-208.	13.7	3
26	Post-discharge hyperpolarization is an endogenous modulatory factor limiting input from fast-conducting nociceptors (AHTMRs). <i>Molecular Pain</i> , 2017, 13, 174480691772625.	2.1	6
27	Day-to-day experience in resolution of pain after surgery. <i>Pain</i> , 2017, 158, 2147-2154.	4.2	27
28	Reporting of Preclinical Research in <i>Anesthesiology</i> . <i>Anesthesiology</i> , 2016, 124, 763-765.	2.5	10
29	Ethical Concerns Regarding Human Study. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 866-866.	3.9	3
30	Gabapentin loses efficacy over time after nerve injury in rats: role of glutamate transporter-1 in the locus coeruleus. <i>Pain</i> , 2016, 157, 2024-2032.	4.2	34
31	In Reply. <i>Anesthesiology</i> , 2016, 125, 1074-1075.	2.5	0
32	Reporting of Observational Research in <i>Anesthesiology</i> : The Importance of the Analysis Plan. <i>Anesthesiology</i> , 2016, 124, 998-1000.	2.5	34
33	Mindfulness-Meditation-Based Pain Relief Is Not Mediated by Endogenous Opioids. <i>Journal of Neuroscience</i> , 2016, 36, 3391-3397.	3.6	92
34	Mechanical sensibility of nociceptive and non-nociceptive fast-conducting afferents is modulated by skin temperature. <i>Journal of Neurophysiology</i> , 2016, 115, 546-553.	1.8	6
35	Disruption of Spinal Noradrenergic Activation Delays Recovery of Acute Incision-Induced Hypersensitivity and Increases Spinal Glial Activation in the Rat. <i>Journal of Pain</i> , 2016, 17, 190-202.	1.4	18
36	Without Science There Is Little Art in Anesthesiology. <i>Anesthesiology</i> , 2016, 124, 1205-1207.	2.5	4

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37	A<scp>nesthesiology</scp>. Anesthesiology, 2015, 122, 1198-1200.	2.5	3
38	Can a Blood Test of Immune Responsiveness Predict Speed of Recovery from Pain and Dysfunction after Surgery?. Anesthesiology, 2015, 123, 1221-1223.	2.5	1
39	Individual Differences in Acute Pain-induced Endogenous Analgesia Predict Time to Resolution of Postoperative Pain in the Rat. Anesthesiology, 2015, 122, 895-907.	2.5	41
40	Phase 1 Safety Assessment of Intrathecal Oxytocin. Anesthesiology, 2015, 122, 407-413.	2.5	22
41	Assessment of attention threshold in rats by titration of visual cue duration during the five choice serial reaction time task. Journal of Neuroscience Methods, 2015, 241, 37-43.	2.5	17
42	Nerve injury induces a new profile of tactile and mechanical nociceptor input from undamaged peripheral afferents. Journal of Neurophysiology, 2015, 113, 100-109.	1.8	28
43	Intrathecal clonidine and adenosine. Pain, 2015, 156, 88-95.	4.2	36
44	Failure of intrathecal ketorolac to reduce remifentanyl-induced postinfusion hyperalgesia in humans. Pain, 2015, 156, 81-87.	4.2	14
45	Down-regulation of astroglial glutamate transporter-1 in the locus coeruleus impairs pain-evoked endogenous analgesia in rats. Neuroscience Letters, 2015, 608, 18-22.	2.1	11
46	Modeling Individual Recovery after Peripheral Nerve Injury in Rats and the Effects of Parturition. Anesthesiology, 2014, 121, 1056-1067.	2.5	10
47	Gabapentin increases extracellular glutamatergic level in the locus coeruleus via astroglial glutamate transporter-dependent mechanisms. Neuropharmacology, 2014, 81, 95-100.	4.1	46
48	Peripheral nerve injury and gabapentin, but not their combination, impair attentional behavior via direct effects on noradrenergic signaling in the brain. Pain, 2014, 155, 1935-1942.	4.2	35
49	Nociceptor-selective Peripheral Nerve Block Induces Delayed Mechanical Hypersensitivity and Neurotoxicity in Rats. Anesthesiology, 2014, 120, 976-986.	2.5	20
50	In Reply. Anesthesiology, 2014, 121, 433-433.	2.5	3
51	Replication to Advance Science. Anesthesiology, 2014, 121, 209-211.	2.5	9
52	Preclinical Toxicity Screening of Intrathecal Oxytocin in Rats and Dogs. Anesthesiology, 2014, 120, 951-961.	2.5	46
53	In Reply. Anesthesiology, 2014, 120, 238-239.	2.5	0
54	Reversal of Peripheral Nerve Injury-Induced Hypersensitivity in the Postpartum Period. Survey of Anesthesiology, 2013, 57, 188-189.	0.1	0

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55	Resolution of Pain after Childbirth. <i>Anesthesiology</i> , 2013, 118, 143-151.	2.5	115
56	Reversal of Peripheral Nerve Injury-induced Hypersensitivity in the Postpartum Period. <i>Anesthesiology</i> , 2013, 118, 152-159.	2.5	78
57	Patient Safety. <i>Anesthesiology</i> , 2013, 119, 745-746.	2.5	2
58	Depletion of Endogenous Noradrenaline Does Not Prevent Spinal Cord Plasticity Following Peripheral Nerve Injury. <i>Journal of Pain</i> , 2012, 13, 49-57.	1.4	21
59	Contribution of the Chemokine (C-C Motif) Ligand 2 (CCL2) to Mechanical Hypersensitivity after Surgical Incision in Rats. <i>Anesthesiology</i> , 2010, 112, 1250-1258.	2.5	41
60	The need for a journal policy on intrathecal, epidural, and perineural administration of non-approved drugs. <i>Pain</i> , 2010, 149, 417-419.	4.2	25
61	Lack of analgesic efficacy of spinal ondansetron on thermal and mechanical hypersensitivity following spinal nerve ligation in the rat. <i>Brain Research</i> , 2010, 1352, 83-93.	2.2	33
62	Consent Contraindicated?. <i>Science</i> , 2010, 328, 45-45.	12.6	4
63	Effects of Intrathecal Ketorolac on Human Experimental Pain. <i>Anesthesiology</i> , 2010, 112, 1216-1224.	2.5	47
64	Role of Spinal Cyclooxygenase in Human Postoperative and Chronic Pain. <i>Anesthesiology</i> , 2010, 112, 1225-1233.	2.5	46
65	Severity of acute pain after childbirth, but not type of delivery, predicts persistent pain and postpartum depression. <i>Pain</i> , 2008, 140, 87-94.	4.2	472
66	Regional Anesthesia: Advancing the Practice of Medicine; The 2008 Gaston Labat Award Lecture. <i>Regional Anesthesia and Pain Medicine</i> , 2008, 33, 463-469.	2.3	0
67	Pregnancy Increases Excitability of Mechanosensitive Afferents Innervating the Uterine Cervix. <i>Anesthesiology</i> , 2008, 108, 1087-1092.	2.5	14
68	2007 in Review: A Dozen Steps Forward in Anesthesiology. <i>Anesthesiology</i> , 2008, 108, 149-155.	2.5	2
69	2008 in Review. <i>Anesthesiology</i> , 2008, 109, 962-972.	2.5	4
70	Estrogen Amplifies Pain Responses to Uterine Cervical Distension in Rats by Altering Transient Receptor Potential-1 Function. <i>Anesthesia and Analgesia</i> , 2007, 104, 1246-1250.	2.2	49
71	Spinal Cannabinoid Receptor Type 2 Activation Reduces Hypersensitivity and Spinal Cord Glial Activation after Paw Incision. <i>Anesthesiology</i> , 2007, 106, 787-794.	2.5	110
72	Spinal Glial Activation Contributes to Postoperative Mechanical Hypersensitivity in the Rat. <i>Journal of Pain</i> , 2006, 7, 816-822.	1.4	121

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73	Clonidine maintains intrathecal self-administration in rats following spinal nerve ligation. <i>Pain</i> , 2006, 125, 257-263.	4.2	39
74	Chronic Estrogen Sensitizes a Subset of Mechanosensitive Afferents Innervating the Uterine Cervix. <i>Journal of Neurophysiology</i> , 2005, 93, 2167-2173.	1.8	28
75	Spinal noradrenaline transporter inhibition by reboxetine and Xen2174 reduces tactile hypersensitivity after surgery in rats. <i>Pain</i> , 2005, 113, 271-276.	4.2	41
76	Intrathecal but not intravenous opioids release adenosine from the spinal cord. <i>Journal of Pain</i> , 2004, 5, 64-68.	1.4	43
77	Cystatin C in cerebrospinal fluid is not a diagnostic test for pain in humans. <i>Pain</i> , 2004, 107, 207-212.	4.2	14
78	Analgesia from a peripherally active $\mu$ -opioid receptor agonist in patients with chronic pancreatitis. <i>Pain</i> , 2003, 101, 89-95.	4.2	114
79	Intrathecal, but not intravenous adenosine reduces allodynia in patients with neuropathic pain. <i>Pain</i> , 2003, 105, 65-70.	4.2	84
80	Cephalad Movement of Morphine and Fentanyl in Humans after Intrathecal Injection. <i>Anesthesiology</i> , 2003, 99, 166-173.	2.5	38
81	Preliminary Efficacy Assessment of Intrathecal Injection of an American Formulation of Adenosine in Humans. <i>Anesthesiology</i> , 2002, 96, 29-34.	2.5	74
82	Phase I Safety Assessment of Intrathecal Injection of an American Formulation of Adenosine in Humans. <i>Anesthesiology</i> , 2002, 96, 24-28.	2.5	40
83	Dose Response of Intrathecal Adenosine in Experimental Pain and Allodynia. <i>Anesthesiology</i> , 2002, 97, 938-942.	2.5	45
84	Phase I safety assessment of intrathecal ketorolac. <i>Pain</i> , 2002, 99, 599-604.	4.2	55
85	The treatment of pain: remaining challenges and future opportunities. <i>Canadian Journal of Anaesthesia</i> , 2002, 49, R9-R11.	1.6	0
86	Role of protons in activation of cardiac sympathetic C-fibre afferents during ischaemia in cats. <i>Journal of Physiology</i> , 1999, 518, 857-866.	2.9	111