

Cyril Rivat

List of Publications by Citations

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37
papers

3,023
citations

24
h-index

43
g-index

43
ext. papers

3,481
ext. citations

6.2
avg, IF

5.04
L-index

#	Paper	IF	Citations
37	Long-lasting hyperalgesia induced by fentanyl in rats: preventive effect of ketamine. <i>Anesthesiology</i> , 2000 , 92, 465-72	4.3	513
36	Opioid-induced hyperalgesia: abnormal or normal pain?. <i>NeuroReport</i> , 2003 , 14, 1-7	1.7	298
35	The role of ketamine in preventing fentanyl-induced hyperalgesia and subsequent acute morphine tolerance. <i>Anesthesia and Analgesia</i> , 2002 , 94, 1263-9, table of contents	3.9	254
34	JAK/STAT3 pathway is activated in spinal cord microglia after peripheral nerve injury and contributes to neuropathic pain development in rat. <i>Journal of Neurochemistry</i> , 2008 , 107, 50-60	6	164
33	Fentanyl enhancement of carrageenan-induced long-lasting hyperalgesia in rats: prevention by the N-methyl-D-aspartate receptor antagonist ketamine. <i>Anesthesiology</i> , 2002 , 96, 381-91	4.3	155
32	Repeated social defeat-induced depression-like behavioral and biological alterations in rats: involvement of cholecystokinin. <i>Molecular Psychiatry</i> , 2008 , 13, 1079-92	15.1	147
31	Persistent Postsurgical Pain: Pathophysiology and Preventative Pharmacologic Considerations. <i>Anesthesiology</i> , 2018 , 129, 590-607	4.3	135
30	Vulnerability to depression: from brain neuroplasticity to identification of biomarkers. <i>Journal of Neuroscience</i> , 2011 , 31, 12889-99	6.6	128
29	Ketamine improves the management of exaggerated postoperative pain observed in perioperative fentanyl-treated rats. <i>Anesthesiology</i> , 2005 , 102, 421-8	4.3	113
28	Chronic stress induces transient spinal neuroinflammation, triggering sensory hypersensitivity and long-lasting anxiety-induced hyperalgesia. <i>Pain</i> , 2010 , 150, 358-368	8	101
27	Non-nociceptive environmental stress induces hyperalgesia, not analgesia, in pain and opioid-experienced rats. <i>Neuropsychopharmacology</i> , 2007 , 32, 2217-28	8.7	100
26	Opioid and chemokine receptor crosstalk: a promising target for pain therapy?. <i>Nature Reviews Neuroscience</i> , 2015 , 16, 69-78	13.5	99
25	The dark side of opioids in pain management: basic science explains clinical observation. <i>Pain Reports</i> , 2016 , 1, e570	3.5	85
24	Nitrous oxide revisited: evidence for potent antihyperalgesic properties. <i>Anesthesiology</i> , 2005 , 103, 845-54	4.4	81
23	Nrf2-dependent persistent oxidative stress results in stress-induced vulnerability to depression. <i>Molecular Psychiatry</i> , 2017 , 22, 1701-1713	15.1	80
22	Target-controlled dosing of remifentanyl during cardiac surgery reduces postoperative hyperalgesia. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011 , 25, 917-25	2.1	59
21	Polyamine deficient diet to relieve pain hypersensitivity. <i>Pain</i> , 2008 , 137, 125-137	8	58

20	Spinal NK-1 receptor-expressing neurons and descending pathways support fentanyl-induced pain hypersensitivity in a rat model of postoperative pain. <i>European Journal of Neuroscience</i> , 2009 , 29, 727-37 ^{3.5}	3.5	56
19	Cellular and subcellular localization of CXCL12 and CXCR4 in rat nociceptive structures: physiological relevance. <i>European Journal of Neuroscience</i> , 2012 , 36, 2619-31	3.5	51
18	Mechanisms of regional anaesthesia protection against hyperalgesia and pain chronicization. <i>Current Opinion in Anaesthesiology</i> , 2013 , 26, 621-5	2.9	42
17	Src family kinases involved in CXCL12-induced loss of acute morphine analgesia. <i>Brain, Behavior, and Immunity</i> , 2014 , 38, 38-52	16.6	36
16	Intravenous Acetaminophen as an Adjunct Analgesic in Cardiac Surgery Reduces Opioid Consumption But Not Opioid-Related Adverse Effects: A Randomized Controlled Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016 , 30, 997-1004	2.1	32
15	Inhibition of neuronal FLT3 receptor tyrosine kinase alleviates peripheral neuropathic pain in mice. <i>Nature Communications</i> , 2018 , 9, 1042	17.4	24
14	NOV/CCN3 attenuates inflammatory pain through regulation of matrix metalloproteinases-2 and -9. <i>Journal of Neuroinflammation</i> , 2012 , 9, 36	10.1	23
13	Sciatic nerve block fails in preventing the development of late stress-induced hyperalgesia when high-dose fentanyl is administered perioperatively in rats. <i>Regional Anesthesia and Pain Medicine</i> , 2012 , 37, 448-54	3.4	17
12	Effects of nefopam on early postoperative hyperalgesia after cardiac surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2013 , 27, 427-35	2.1	16
11	A proliferation-inducing ligand-mediated anti-inflammatory response of astrocytes in multiple sclerosis. <i>Annals of Neurology</i> , 2019 , 85, 406-420	9.4	16
10	Fxyd2 regulates A δ and C-fiber mechanosensitivity and is required for the maintenance of neuropathic pain. <i>Scientific Reports</i> , 2016 , 6, 36407	4.9	15
9	Effects of sevoflurane on carrageenan- and fentanyl-induced pain hypersensitivity in Sprague-Dawley rats. <i>Canadian Journal of Anaesthesia</i> , 2009 , 56, 126-35	3	15
8	The effects of low-dose ketamine on the analgesia nociception index (ANI) measured with the novel PhysioDoloris [®] analgesia monitor: a pilot study. <i>Journal of Clinical Monitoring and Computing</i> , 2015 , 29, 291-5	2	12
7	Tolerance and opioid-induced hyperalgesia. Is a divorce imminent?. <i>Pain</i> , 2012 , 153, 1547-1548	8	12
6	Zeb family members and boundary cap cells underlie developmental plasticity of sensory nociceptive neurons. <i>Developmental Cell</i> , 2015 , 33, 343-50	10.2	11
5	Stress-induced hyperalgesia: any clinical relevance for the anesthesiologist?. <i>Anesthesiology</i> , 2011 , 114, 1280-1	4.3	11
4	Pulsed radiofrequency enhances morphine analgesia in neuropathic rats. <i>NeuroReport</i> , 2012 , 23, 535-9	1.7	6
3	AAV2/9-mediated silencing of PMP22 prevents the development of pathological features in a rat model of Charcot-Marie-Tooth disease 1 A. <i>Nature Communications</i> , 2021 , 12, 2356	17.4	6

2 Modélisation de la relation douleur-dépression. *Douleur Et Analgesie*, **2012**, 25, 31-37

0.2 1

1 Long term AAV2/9-mediated silencing of PMP22 prevents CMT1A disease in rats and validates skin biomarkers as treatment outcome measure

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