Rafael GonzÃ¡lez Cano

List of Publications by Year
in descending order

32 papers	962 citations	516710 16 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	1281 citing authors

#	Article	IF	Citations
1	Dual Sigma-1 receptor antagonists and hydrogen sulfide-releasing compounds for pain treatment: Design, synthesis, and pharmacological evaluation. European Journal of Medicinal Chemistry, 2022, 230, 114091.	5.5	7
2	Synthesis of tropane-based Ïƒ1 receptor antagonists with antiallodynic activity. European Journal of Medicinal Chemistry, 2022, 230, 114113.	5.5	3
3	Soluble Epoxide Hydrolase Inhibitors: Design, Synthesis, <i>in vitro</i> Profiling and <i>in vivo</i> Evaluation in Murine Models of Pain. FASEB Journal, 2022, 36, .	0.5	0
4	Automated preclinical detection of mechanical pain hypersensitivity and analgesia. Pain, 2022, 163, 2326-2336.	4.2	9
5	Sigma-1 receptor: A drug target for the modulation of neuroimmune and neuroglial interactions during chronic pain. Pharmacological Research, 2021, 163, 105339.	7.1	32
6	Tetrodotoxin, a Potential Drug for Neuropathic and Cancer Pain Relief?. Toxins, 2021, 13, 483.	3.4	19
7	Two independent mouse lines carrying the Nav1.7 I228M gain-of-function variant display dorsal root ganglion neuron hyperexcitability but a minimal pain phenotype. Pain, 2021, 162, 1758-1770.	4.2	9
8	Urinary bladder sigma-1 receptors: A new target for cystitis treatment. Pharmacological Research, 2020, 155, 104724.	7.1	10
9	The search for translational pain outcomes to refine analgesic development: Where did we come from and where are we going?. Neuroscience and Biobehavioral Reviews, 2020, 113, 238-261.	6.1	37
10	Intracolonic Mustard Oil Induces Visceral Pain in Mice by TRPA1-Dependent and -Independent Mechanisms: Role of Tissue Injury and P2X Receptors. Frontiers in Pharmacology, 2020, 11, 613068.	3.5	6
11	Nonsurgical mouse model of endometriosis-associated pain that responds to clinically active drugs. Pain, 2020, 161, 1321-1331.	4.2	28
12	Pain Analgesic Developments in the Genomic Era. , 2020, , 209-237.		0
13	Natural Killer Cells Degenerate Intact Sensory Afferents following Nerve Injury. Cell, 2019, 176, 716-728.e18.	28.9	98
14	Reading and writing: the evolution of molecular pain genetics. Pain, 2019, 160, 2177-2185.	4.2	2
15	Targeting immune-driven opioid analgesia by sigma-1 receptors: Opening the door to novel perspectives for the analgesic use of sigma-1 antagonists. Pharmacological Research, 2018, 131, 224-230.	7.1	12
16	Mechanistic Differences in Neuropathic Pain Modalities Revealed by Correlating Behavior with Global Expression Profiling. Cell Reports, 2018, 22, 1301-1312.	6.4	142
17	Modality-specific peripheral antinociceptive effects of Î¼-opioid agonists on heat and mechanical stimuli: Contribution of sigma-1 receptors. Neuropharmacology, 2018, 135, 328-342.	4.1	22
18	Upâ€"Down Reader: An Open Source Program for Efficiently Processing 50% von Frey Thresholds. Frontiers in Pharmacology, 2018, 9, 433.	3.5	44

#	Article	IF	Citations
19	Identification of FAM173B as a protein methyltransferase promoting chronic pain. PLoS Biology, 2018, 16, e2003452.	5.6	22
20	Visceral and somatic pain modalities reveal Na_V1.7â€independent visceral nociceptive pathways. Journal of Physiology, 2017, 595, 2661-2679.	2.9	61
21	Mild Social Stress in Mice Produces Opioid-Mediated Analgesia in Visceral but Not Somatic Pain States. Journal of Pain, 2017, 18, 716-725.	1.4	13
22	Sigma-1 receptors control immune-driven peripheral opioid analgesia during inflammation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8396-8401.	7.1	33
23	Effects of Tetrodotoxin in Mouse Models of Visceral Pain. Marine Drugs, 2017, 15, 188.	4.6	27
24	Sigma-1 Receptor Agonism Promotes Mechanical Allodynia After Priming the Nociceptive System with Capsaicin. Scientific Reports, 2016, 6, 37835.	3.3	24
25	Modulation of Peripheral<i>Î¼</i>-Opioid Analgesia by<i>Ïƒ</i>₁Receptors. Journal of Pharmacology and Experimental Therapeutics, 2014, 348, 32-45.	2.5	74
26	Potentiation of morphine-induced mechanical antinociception by Ïƒ1 receptor inhibition: Role of peripheral Ïƒ1 receptors. Neuropharmacology, 2013, 70, 348-358.	4.1	63
27	Ïƒ1Receptors Are Involved in the Visceral Pain Induced by Intracolonic Administration of Capsaicin in Mice. Anesthesiology, 2013, 118, 691-700.	2.5	42
28	Tetrodotoxin (TTX) as a Therapeutic Agent for Pain. Marine Drugs, 2012, 10, 281-305.	4.6	122
29	F270 ROLE OF VOLTAGE-GATED SODIUM CHANNEL NAV1.7 IN VISCERAL PAIN. European Journal of Pain Supplements, 2011, 5, 144-144.	0.0	0
30	245 ROLE OF SIGMAâ€1 RECEPTORS IN COLD ALLODYNIA INDUCED BY PACLITAXEL. European Journal of Pain, 2009, 13, S78.	2.8	0
31	275 ANTINOCICEPTIVE EFFECTS OF MORPHINE AFTER ACUTE AND REPEATED INJECTION IN WILDâ€TYPE AND SIGMAâ€1 RECEPTOR KNOCKOUT MICE. European Journal of Pain, 2009, 13, S86a.	2.8	0
32	Automated Detection of Mouse Pain Behavioral Readouts by Alternating Bottom-Up Pose and Paw Contact Measurements. SSRN Electronic Journal, 0, , .	0.4	1