

# Joel Castro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5162939/publications.pdf>

Version: 2024-02-01

83  
papers

3,371  
citations

201674

27  
h-index

155660

55  
g-index

86  
all docs

86  
docs citations

86  
times ranked

4306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Olorinab (APD371), a peripherally acting, highly selective, full agonist of the cannabinoid receptor 2, reduces colitis-induced acute and chronic visceral hypersensitivity in rodents. <i>Pain</i> , 2022, 163, e72-e86.	4.2	18
2	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 110-122.	8.7	8
3	TGR5 agonists induce peripheral and central hypersensitivity to bladder distension. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
4	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021, 35, e21430.	0.5	10
5	Activation of MrgprA3 and MrgprC11 on Bladder-Innervating Afferents Induces Peripheral and Central Hypersensitivity to Bladder Distension. <i>Journal of Neuroscience</i> , 2021, 41, 3900-3916.	3.6	9
6	Pruritogenic mechanisms and gut sensation: putting the "irritant" into irritable bowel syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G1131-G1141.	3.4	6
7	Pharmacological Inhibition of the Voltage-Gated Sodium Channel NaV1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1362-1378.	4.9	10
8	Design of a Stable Cyclic Peptide Analgesic Derived from Sunflower Seeds that Targets the $\mu$ -Opioid Receptor for the Treatment of Chronic Abdominal Pain. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9042-9055.	6.4	17
9	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. <i>Pain</i> , 2021, 162, 227-242.	4.2	9
10	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. <i>Pain</i> , 2021, 162, 569-581.	4.2	28
11	Clodronate Treatment Prevents Vaginal Hypersensitivity in a Mouse Model of Vestibulodynia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 784972.	3.9	3
12	A syngeneic inoculation mouse model of endometriosis that develops multiple comorbid visceral and cutaneous pain like behaviours. <i>Pain</i> , 2021, Publish Ahead of Print, .	4.2	6
13	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H <sub>1</sub> receptor and TRPV1. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F298-F314.	2.7	42
14	Sa1078 CANNABINOID RECEPTOR EXPRESSION AND THE EFFECT OF OLORINAB, A PERIPHERALLY ACTING, HIGHLY SELECTIVE, FULL AGONIST OF THE CANNABINOID RECEPTOR 2 (CB2), IN RODENTS WITH COLITIS AND CHRONIC VISCERAL HYPERSENSITIVITY. <i>Gastroenterology</i> , 2020, 158, S-269.	1.3	1
15	Mo1146 CHRONIC INTRA-COLONIC LINACLOTIDE ADMINISTRATION ALTERS GLIAL ACTIVATION IN A MOUSE MODEL OF CHRONIC VISCERAL HYPERSENSITIVITY. <i>Gastroenterology</i> , 2020, 158, S-803.	1.3	1
16	Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 590823.	3.7	95
17	Su1578 " Chronic Intracolonic Administration of Linaclotide Inhibits Nociceptive Signaling in a Mouse Model of Chronic Visceral Hypersensitivity. <i>Gastroenterology</i> , 2019, 156, S-570.	1.3	2
18	Colonic afferent input and dorsal horn neuron activation differs between the thoracolumbar and lumbosacral spinal cord. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G285-G303.	3.4	30

#	ARTICLE	IF	CITATIONS
19	Na <sup>v</sup> 1.6 regulates excitability of mechanosensitive sensory neurons. <i>Journal of Physiology</i> , 2019, 597, 3751-3768.	2.9	31
20	Sa1738 (Formerly Apd371), a Peripherally Restricted, Highly Selective, Full Agonist of the Cannabinoid Receptor 2 (CB2), Reduces Visceral Hypersensitivity in Animal Models. <i>Gastroenterology</i> , 2019, 156, S-382.	1.3	4
21	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019, 160, 793-804.	4.2	25
22	Linacotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019, 160, 2566-2579.	4.2	25
23	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019, 4, .	5.0	59
24	PD14-05 (LOW AND HIGH THRESHOLD MECHANOSENSITIVE BLADDER AFFERENT PATHWAYS CONVERGE TO A SIMILAR DISTRIBUTION OF LUMBOSACRAL SPINAL NEURONS). <i>Journal of Urology</i> , 2019, 201, .	0.4	0
25	Co-expression of $\mu$ and $\delta$ opioid receptors by mouse colonic nociceptors. <i>British Journal of Pharmacology</i> , 2018, 175, 2622-2634.	5.4	25
26	Voltage-gated sodium channels: Navigating the field to determine their contribution to visceral nociception. <i>Journal of Physiology</i> , 2018, 596, 785-807.	2.9	36
27	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 98, 10-23.	2.8	29
28	Cyclic analogues of $\delta$ -conotoxin Vc1.1 inhibit colonic nociceptors and provide analgesia in a mouse model of chronic abdominal pain. <i>British Journal of Pharmacology</i> , 2018, 175, 2384-2398.	5.4	36
29	Structure-Activity Studies Reveal the Molecular Basis for GABA <sub>B</sub> -Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by $\delta$ -Conotoxin Vc1.1. <i>ACS Chemical Biology</i> , 2018, 13, 1577-1587.	3.4	28
30	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease. , 2018, , 387-418.		14
31	Protease-activated receptor-2 in endosomes signals persistent pain of irritable bowel syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7438-E7447.	7.1	128
32	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018, 3, .	5.0	34
33	Chronic linacotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018, 3, .	5.0	61
34	$\delta$ -Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA <sub>B</sub> receptors. <i>Gut</i> , 2017, 66, 1083-1094.	12.1	77
35	Apelin targets gut contraction to control glucose metabolism via the brain. <i>Gut</i> , 2017, 66, 258-269.	12.1	73
36	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017, 7, 42810.	3.3	67

#	ARTICLE	IF	CITATIONS
37	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. Australian Journal of Chemistry, 2017, 70, 162.	0.9	9
38	Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. Cell, 2017, 170, 185-198.e16.	28.9	568
39	Extracellular cGMP Reduces the Excitability of Sensory Dorsal Root Ganglion Neurons via an Extracellular Mechanism. Gastroenterology, 2017, 152, S156.	1.3	1
40	Chronic Oral Administration of Linaclotide Inhibits Nociceptive Signalling in Response to Noxious Colorectal Distension in a Model of Chronic Visceral Hypersensitivity. Gastroenterology, 2017, 152, S204.	1.3	1
41	Structure-Activity Studies of Cysteine-Rich $\delta$ -Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABA <sub>B</sub> Receptor Activation Reveal a Minimal Functional Motif. Angewandte Chemie - International Edition, 2016, 55, 4692-4696.	13.8	54
42	Structure-Activity Studies of Cysteine-Rich $\delta$ -Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABA <sub>B</sub> Receptor Activation Reveal a Minimal Functional Motif. Angewandte Chemie, 2016, 128, 4770-4774.	2.0	2
43	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499.	27.8	239
44	366 Guanylate Cyclase-C Expression Is Down-Regulated in Colonic Biopsies From Female Irritable Bowel Syndrome Patients With Constipation. Gastroenterology, 2016, 150, S81-S82.	1.3	2
45	Conopeptide-Derived $\delta$ -Opioid Agonists (Conorphins): Potent, Selective, and Metabolic Stable Dynorphin A Mimetics with Antinociceptive Properties. Journal of Medicinal Chemistry, 2016, 59, 2381-2395.	6.4	28
46	Diltiazem Protects Hepatocytes from Damage Induced by Reactive Oxygen Species Through Actions on Mitochondria. Journal of Gastroenterology and Hepatology Research, 2016, 5, 1977-1983.	0.2	1
47	Mo1876 A Visceral Representation of Itch: Identification of Itch-Specific Pruritogenic Mechanisms Within Colonic Sensory Pathways. Gastroenterology, 2015, 148, S-733.	1.3	0
48	1028 Chronic Activation of the GC-C/cGMP Pathway by Linaclotide Inhibits Ascending Nociceptive Pathways and Restores Aberrant Spinal Cord Signaling. Gastroenterology, 2015, 148, S-194.	1.3	0
49	Mo1875 GC-C Agonists As Regulators of Visceral Sensation: Modulation of Mucosal Sensitivity via the Epithelial GC-C/cGMP Pathway. Gastroenterology, 2015, 148, S-732-S-733.	1.3	0
50	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	12.8	122
51	Mo2029 Extracellular Cyclic GMP (cGMP), the Downstream Mediator Released in Response to Linaclotide-Induced Activation of Guanylate Cyclase-C (GC-C), Reduces Excitability of Murine and Human Dorsal Root Ganglion (DRG) Neurons. Gastroenterology, 2014, 146, S-722.	1.3	0
52	Increased $\delta$ -opioid receptor expression and function during chronic visceral hypersensitivity. Gut, 2014, 63, 1199-1200.	12.1	40
53	888 $\delta$ -Conotoxin Vc1.1 Targets GABAB Receptors Modulating CaV2.2 and CaV2.3 Calcium Channels in Sensory Pathways Mediating Chronic Visceral Pain. Gastroenterology, 2014, 146, S-156.	1.3	0
54	Su2066 Distinct Alterations in the Guanylate Cyclase-C (GC-C)/Cyclic GMP (cGMP) Pathway Are Evident Across Different Subtypes of Irritable Bowel Syndrome (IBS) Patients. Gastroenterology, 2014, 146, S-537.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Sensory neuro-immune interactions differ between Irritable Bowel Syndrome subtypes. <i>Gut</i> , 2013, 62, 1456-1465.	12.1	172
56	Linaclotide Inhibits Colonic Nociceptors and Relieves Abdominal Pain via Guanylate Cyclase-C and Extracellular Cyclic Guanosine 3',5'-Monophosphate. <i>Gastroenterology</i> , 2013, 145, 1334-1346.e11.	1.3	231
57	268 Alterations in the Guanylate Cyclase-C/cGMP Pathway in Patients With Irritable Bowel Syndrome With Constipation. <i>Gastroenterology</i> , 2013, 144, S-59-S-60.	1.3	0
58	Tu2119 Increased Efficacy of the Peripherally-Restricted Selective Kappa-Opioid Receptor Agonist, Asimadoline, in Chronic Visceral Hypersensitivity. <i>Gastroenterology</i> , 2013, 144, S-934-S-935.	1.3	0
59	743 Mechanisms Underlying Linaclotide Induced Inhibition of Colonic Nociception. <i>Gastroenterology</i> , 2013, 144, S-134.	1.3	1
60	Mo1842 Downstream Signaling Pathways of Nitric Oxide Induced Modulation of Colonic Afferent Mechanosensitivity. <i>Gastroenterology</i> , 2012, 142, S-697.	1.3	0
61	Mo1849 Mechanism of Action for Linaclotide Induced Abdominal Pain Relief. <i>Gastroenterology</i> , 2012, 142, S-699.	1.3	10
62	Mo1848 Characterization of Dorsal Horn Neurons Activated by Noxious Colorectal Distension in Health and Chronic Visceral Hypersensitivity. <i>Gastroenterology</i> , 2012, 142, S-699.	1.3	0
63	Sprouting of colonic afferent central terminals and increased spinal mitogen-activated protein kinase expression in a mouse model of chronic visceral hypersensitivity. <i>Journal of Comparative Neurology</i> , 2012, 520, 2241-2255.	1.6	62
64	A Novel Role of Cyclic GMP in Colonic Sensory Neurotransmission in Healthy and TNBS-Treated Mice. <i>Gastroenterology</i> , 2011, 140, S-538.	1.3	20
65	Garcinia Buchananii Bark Extract Inhibits Nociceptors, With Greater Efficacy During Inflammation. <i>Gastroenterology</i> , 2011, 140, S-866.	1.3	8
66	Identification of Colonic Afferent Central Terminals and Changes Following Colonic Inflammation. <i>Gastroenterology</i> , 2011, 140, S-131.	1.3	0
67	Nitric Oxide Mechanism of Action on Visceral Nociceptors. <i>Gastroenterology</i> , 2011, 140, S-536.	1.3	0
68	The predominant role of IP3 type 1 receptors in activation of store-operated Ca <sup>2+</sup> entry in liver cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 745-751.	2.6	3
69	TRPA1 contributes to specific mechanically activated currents and sensory neuron mechanical hypersensitivity. <i>Journal of Physiology</i> , 2011, 589, 3575-3593.	2.9	116
70	A novel role for TRPM8 in visceral afferent function. <i>Pain</i> , 2011, 152, 1459-1468.	4.2	124
71	942 Differential Coupling of Cytokine Receptors to Sensory Neurons in Health and Post Inflammation. <i>Gastroenterology</i> , 2010, 138, S-136-S-137.	1.3	0
72	Mitochondrial uncoupler FCCP activates proton conductance but does not block store-operated Ca <sup>2+</sup> current in liver cells. <i>Archives of Biochemistry and Biophysics</i> , 2010, 495, 152-158.	3.0	41

#	ARTICLE	IF	CITATIONS
73	STORE-OPERATED Ca <sup>2+</sup> CHANNELS AND MICRODOMAINS OF Ca <sup>2+</sup> IN LIVER CELLS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 77-83.	1.9	23
74	A small component of the endoplasmic reticulum is required for store-operated Ca <sup>2+</sup> channel activation in liver cells: evidence from studies using TRPV1 and taurodeoxycholic acid. <i>Biochemical Journal</i> , 2009, 418, 553-566.	3.7	25
75	Store-operated Ca <sup>2+</sup> channels and Stromal Interaction Molecule 1 (STIM1) are targets for the actions of bile acids on liver cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 874-885.	4.1	25
76	Phospholipase C- $\beta$ 1 is required for the activation of store-operated Ca <sup>2+</sup> channels in liver cells. <i>Biochemical Journal</i> , 2007, 405, 269-276.	3.7	32
77	ATP steal between cation pumps: a mechanism linking Na <sup>+</sup> influx to the onset of necrotic Ca <sup>2+</sup> overload. <i>Cell Death and Differentiation</i> , 2006, 13, 1675-1685.	11.2	25
78	A cytosolic source of calcium unveiled by hydrogen peroxide with relevance for epithelial cell death. <i>Cell Death and Differentiation</i> , 2004, 11, 468-478.	11.2	29
79	Apoptotic and necrotic blebs in epithelial cells display similar neck diameters but different kinase dependency. <i>Cell Death and Differentiation</i> , 2003, 10, 687-697.	11.2	141
80	Ion movements in cell death: from protection to execution. <i>Biological Research</i> , 2002, 35, 209-14.	3.4	29
81	Hyperosmotic shock induces both activation and translocation of glucose transporters in mammalian cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, 614-621.	2.8	48
82	Nonselective cation channels as effectors of free radical-induced rat liver cell necrosis. <i>Hepatology</i> , 2001, 33, 114-122.	7.3	57
83	Cytosolic [Ca <sup>2+</sup> ] modulates basal GLUT1 activity and plays a permissive role in its activation by metabolic stress and insulin in rat epithelial cells. <i>Cell Calcium</i> , 2000, 28, 97-106.	2.4	29