Jennifer R Deuis

List of Publications by Year
in descending order

48 papers	2,268 citations	279701 23 h-index	243529 44 g-index
49 all docs	49 docs citations	49 times ranked	2927 citing authors

#	Article	IF	Citations
1	Methods Used to Evaluate Pain Behaviors in Rodents. Frontiers in Molecular Neuroscience, 2017, 10, 284.	1.4	687
2	An animal model of oxaliplatin-induced cold allodynia reveals a crucial role for Nav1.6 in peripheral pain pathways. Pain, 2013, 154, 1749-1757.	2.0	144
3	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	1.6	120
4	NaV1.7 as a pain target â€“ From gene to pharmacology. , 2017, 172, 73-100.		104
5	Analgesic Effects of GpTx-1, PF-04856264 and CNV1014802 in a Mouse Model of NaV1.7-Mediated Pain. Toxins, 2016, 8, 78.	1.5	94
6	Identification and Characterization of ProTx-III [Î¼-TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula Thrixopelma pruriens. Molecular Pharmacology, 2015, 88, 291-303.	1.0	72
7	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. Scientific Reports, 2017, 7, 42810.	1.6	67
8	Burn Pain: A Systematic and Critical Review of Epidemiology, Pathophysiology, and Treatment. Pain Medicine, 2018, 19, 708-734.	0.9	61
9	Transcriptomic and behavioural characterisation of a mouse model of burn pain identify the cholecystokinin 2 receptor as an analgesic target. Molecular Pain, 2016, 12, 174480691666536.	1.0	58
10	The pharmacology of voltage-gated sodium channel activators. Neuropharmacology, 2017, 127, 87-108.	2.0	57
11	The Snake with the Scorpionâ€™s Sting: Novel Three-Finger Toxin Sodium Channel Activators from the Venom of the Long-Glanded Blue Coral Snake (Calliophis bivirgatus). Toxins, 2016, 8, 303.	1.5	53
12	Analgesic treatment of ciguatoxin-induced cold allodynia. Pain, 2013, 154, 1999-2006.	2.0	51
13	Sodium Channels and Venom Peptide Pharmacology. Advances in Pharmacology, 2017, 79, 67-116.	1.2	47
14	Modulatory features of the novel spider toxin Î¼â€TRTXâ€Df1a isolated from the venom of the spider Davus fasciatus. British Journal of Pharmacology, 2017, 174, 2528-2544.	2.7	46
15	The thermal probe test: A novel behavioral assay to quantify thermal paw withdrawal thresholds in mice. Temperature, 2016, 3, 199-207.	1.6	45
16	Analgesic effects of clinically used compounds in novel mouse models of polyneuropathy induced by oxaliplatin and cisplatin. Neuro-Oncology, 2014, 16, 1324-1332.	0.6	44
17	Inflammatory and Neuropathic Gene Expression Signatures of Chemotherapy-Induced Neuropathy Induced by Vincristine, Cisplatin, and Oxaliplatin in C57BL/6J Mice. Journal of Pain, 2020, 21, 182-194.	0.7	38
18	Development of a Î¼O-Conotoxin Analogue with Improved Lipid Membrane Interactions and Potency for the Analgesic Sodium Channel NaV1.8. Journal of Biological Chemistry, 2016, 291, 11829-11842.	1.6	37

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19	Antiallodynic effects of the selective NaV1.7 inhibitor Pn3a in a mouse model of acute postsurgical pain: evidence for analgesic synergy with opioids and baclofen. Pain, 2019, 160, 1766-1780.	2.0	35
20	The structure, dynamics and selectivity profile of a NaV1.7 potency-optimised huwentoxin-IV variant. PLoS ONE, 2017, 12, e0173551.	1.1	33
21	Assessment of the TRPM8 inhibitor AMTB in breast cancer cells and its identification as an inhibitor of voltage gated sodium channels. Life Sciences, 2018, 198, 128-135.	2.0	32
22	Na_V1.6 regulates excitability of mechanosensitive sensory neurons. Journal of Physiology, 2019, 597, 3751-3768.	1.3	31
23	Vincristine-induced peripheral neuropathy is driven by canonical NLRP3 activation and IL-1Î² release. Journal of Experimental Medicine, 2021, 218, .	4.2	29
24	Î”â€Myrtoxinâ€Mp1a is a Helical Heterodimer from the Venom of the Jack Jumper Ant that has Antimicrobial, Membraneâ€Đisrupting, and Nociceptive Activities. Angewandte Chemie - International Edition, 2017, 56, 8495-8499.	7.2	28
25	Enzymatic Ligation of a Pore Blocker Toxin and a Gating Modifier Toxin: Creating Double-Knotted Peptides with Improved Sodium Channel NaV1.7 Inhibition. Bioconjugate Chemistry, 2020, 31, 64-73.	1.8	23
26	Role of the NLRP3 inflammasome in a model of acute burn-induced pain. Burns, 2017, 43, 304-309.	1.1	22
27	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	1.1	22
28	Activation of Îº Opioid Receptors in Cutaneous Nerve Endings by Conorphin-1, a Novel Subtype-Selective Conopeptide, Does Not Mediate Peripheral Analgesia. ACS Chemical Neuroscience, 2015, 6, 1751-1758.	1.7	17
29	Î±-conotoxin MrIC is a biased agonist at Î±7 nicotinic acetylcholine receptors. Biochemical Pharmacology, 2015, 94, 155-163.	2.0	16
30	Neurotoxic peptides from the venom of the giant Australian stinging tree. Science Advances, 2020, 6, .	4.7	16
31	Mapping the Molecular Surface of the Analgesic NaV1.7-Selective Peptide Pn3a Reveals Residues Essential for Membrane and Channel Interactions. ACS Pharmacology and Translational Science, 2020, 3, 535-546.	2.5	16
32	Development of a high-throughput fluorescent no-wash sodium influx assay. PLoS ONE, 2019, 14, e0213751.	1.1	13
33	Manipulation of a spider peptide toxin alters its affinity for lipid bilayers and potency and selectivity for voltage-gated sodium channel subtype 1.7. Journal of Biological Chemistry, 2020, 295, 5067-5080.	1.6	13
34	High-Throughput Fluorescence Assays for Ion Channels and GPCRs. Advances in Experimental Medicine and Biology, 2020, 1131, 27-72.	0.8	13
35	Discovery, Pharmacological Characterisation and NMR Structure of the Novel Âµ-Conotoxin SxIIIC, a Potent and Irreversible NaV Channel Inhibitor. Biomedicines, 2020, 8, 391.	1.4	12
36	The E15R Point Mutation in Scorpion Toxin Cn2 Uncouples Its Depressant and Excitatory Activities on Human Na_V1.6. Journal of Medicinal Chemistry, 2018, 61, 1730-1736.	2.9	9

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37	Toxins as tools: Fingerprinting neuronal pharmacology. Neuroscience Letters, 2018, 679, 4-14.	1.0	9
38	Structural and functional insights into the inhibition of human voltage-gated sodium channels by Î¼-conotoxin KIIIA disulfide isomers. Journal of Biological Chemistry, 2022, 298, 101728.	1.6	9
39	Characterization of Synthetic Tf2 as a NaV1.3 Selective Pharmacological Probe. Biomedicines, 2020, 8, 155.	1.4	8
40	Recombinant production, bioconjugation and membrane binding studies of Pn3a, a selective NaV1.7 inhibitor. Biochemical Pharmacology, 2020, 181, 114148.	2.0	7
41	Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of NaV1.7. Biomedicines, 2020, 8, 37.	1.4	6
42	Neurotoxic and cytotoxic peptides underlie the painful stings of the tree nettle Urtica ferox. Journal of Biological Chemistry, 2022, 298, 102218.	1.6	5
43	Role of complement anaphylatoxin receptors in a mouse model of acute burn-induced pain. Molecular Immunology, 2018, 94, 68-74.	1.0	4
44	Evaluation of Efficient Non-reducing Enzymatic and Chemical Ligation Strategies for Complex Disulfide-Rich Peptides. Bioconjugate Chemistry, 2021, 32, 2407-2419.	1.8	4
45	The Tarantula Venom Peptide Eo1a Binds to the Domain II S3-S4 Extracellular Loop of Voltage-Gated Sodium Channel NaV1.8 to Enhance Activation. Frontiers in Pharmacology, 2021, 12, 789570.	1.6	4
46	Novel Neurotoxic Activity in Calliophis intestinalis Venom. Neurotoxicity Research, 2022, 40, 173-178.	1.3	3
47	Pharmacological activity and NMR solution structure of the leech peptide HSTX-I. Biochemical Pharmacology, 2020, 181, 114082.	2.0	2
48	Low potency inhibition of NaV1.7 by externally applied QX-314 via a depolarizing shift in the voltage-dependence of activation. European Journal of Pharmacology, 2022, , 175013.	1.7	0