

Michael J Iadarola

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

8,312
citations

57681

46
h-index

54771

88
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126
all docs

126
docs citations

126
times ranked

8251
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptomic analysis of human sensory neurons in painful diabetic neuropathy reveals inflammation and neuronal loss. <i>Scientific Reports</i> , 2022, 12, 4729.	1.6	30
2	Be in it for the Long Haul: A Commentary on Human Tissue Recovery Initiatives. <i>Journal of Pain</i> , 2022, 23, 1646-1650.	0.7	4
3	Transcriptional Activation, Deactivation and Rebound Patterns in Cortex, Hippocampus and Amygdala in Response to Ketamine Infusion in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	1.4	2
4	Molecular Pathways Linking Oxylipins to Nociception in Rats. <i>Journal of Pain</i> , 2021, 22, 275-299.	0.7	10
5	Longitudinal Transcriptomic Profiling in Carrageenan-Induced Rat Hind Paw Peripheral Inflammation and Hyperalgesia Reveals Progressive Recruitment of Innate Immune System Components. <i>Journal of Pain</i> , 2021, 22, 322-343.	0.7	4
6	Autoantibodies Targeting Intracellular and Extracellular Proteins in Autoimmunity. <i>Frontiers in Immunology</i> , 2021, 12, 548469.	2.2	45
7	The Persistent Pain Transcriptome: Identification of Cells and Molecules Activated by Hyperalgesia. <i>Journal of Pain</i> , 2021, 22, 1146-1179.	0.7	5
8	Host-Pathogen Interactions in Human Polyomavirus 7â€™Associated Pruritic Skin Eruption. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1344-1348.e8.	0.3	7
9	Pain Treatment in the Companion Canine Model to Validate Rodent Results and Incentivize the Transition to Human Clinical Trials. <i>Frontiers in Pharmacology</i> , 2021, 12, 705743.	1.6	11
10	Longitudinal peripheral tissue RNAâ€™Seq transcriptomic profiling, hyperalgesia, and wound healing in the rat plantar surgical incision model. <i>FASEB Journal</i> , 2021, 35, e21852.	0.2	6
11	Unilateral Periganglionic Resiniferatoxin for Personalized Pain Treatment. <i>Pain Medicine</i> , 2021, 22, 767-768.	0.9	3
12	Dysregulation of EAAT2 and VGLUT2 Spinal Glutamate Transports via Histone Deacetylase 2 (HDAC2) Contributes to Paclitaxel-induced Painful Neuropathy. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 2196-2209.	1.9	10
13	Comparative Analysis of Dorsal Root, Nodose and Sympathetic Ganglia for the Development of New Analgesics. <i>Frontiers in Neuroscience</i> , 2020, 14, 615362.	1.4	21
14	Discovery and validation of biomarkers to aid the development of safe and effective pain therapeutics: challenges and opportunities. <i>Nature Reviews Neurology</i> , 2020, 16, 381-400.	4.9	224
15	Dynorphin and Enkephalin Opioid Peptides and Transcripts in Spinal Cord and Dorsal Root Ganglion During Peripheral Inflammatory Hyperalgesia and Allodynia. <i>Journal of Pain</i> , 2020, 21, 988-1004.	0.7	35
16	Standing out from the crowd in treating COVID-19. <i>Medicine in Drug Discovery</i> , 2020, 6, 100034.	2.3	2
17	Haploinsufficiency of the brain-derived neurotrophic factor gene is associated with reduced pain sensitivity. <i>Pain</i> , 2019, 160, 1070-1081.	2.0	22
18	Intrathecal Drug Delivery for Cancer Pain. , 2019, , 501-520.		0

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19	Clinical features of Sjögren's syndrome patients with autoantibodies against interferons. <i>Clinical and Translational Medicine</i> , 2019, 8, 1.	1.7	25
20	1031 Human polyomavirus 7 (HPyV7)-associated eruptions in immunocompromised hosts. <i>Journal of Investigative Dermatology</i> , 2019, 139, S178.	0.3	0
21	Detection of Differentially Expressed Cleavage Site Intervals Within 3' Untranslated Regions Using CSI-UTR Reveals Regulated Interaction Motifs. <i>Frontiers in Genetics</i> , 2019, 10, 182.	1.1	11
22	Emerging technologies for the detection of viral infections. <i>Future Virology</i> , 2019, 14, 39-49.	0.9	19
23	Phosphorylation of the Transient Receptor Potential Ankyrin 1 by Cyclin-dependent Kinase 5 affects Chemo-nociception. <i>Scientific Reports</i> , 2018, 8, 1177.	1.6	22
24	Transcriptional Changes in Dorsal Spinal Cord Persist after Surgical Incision Despite Preemptive Analgesia with Peripheral Resiniferatoxin. <i>Anesthesiology</i> , 2018, 128, 620-635.	1.3	36
25	Autoantibodies against the Immunoglobulin-Binding Region of Ro52 Link its Autoantigenicity with Pathogen Neutralization. <i>Scientific Reports</i> , 2018, 8, 3345.	1.6	14
26	RNA-Seq investigations of human post-mortem trigeminal ganglia. <i>Cephalalgia</i> , 2018, 38, 912-932.	1.8	75
27	Thermal A δ Nociceptors, Identified by Transcriptomics, Express Higher Levels of Anesthesia-Sensitive Receptors Than Thermal C-Fibers and Are More Suppressible by Low-Dose Isoflurane. <i>Anesthesia and Analgesia</i> , 2018, 127, 263-266.	1.1	9
28	Long-term pain relief in canine osteoarthritis by a single intra-articular injection of resiniferatoxin, a potent TRPV1 agonist. <i>Pain</i> , 2018, 159, 2105-2114.	2.0	52
29	Lipidomic profiling of targeted oxylipins with ultra-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6009-6029.	1.9	52
30	Pain control through selective chemo-ablation of centrally projecting TRPV1+ sensory neurons. <i>Journal of Clinical Investigation</i> , 2018, 128, 1657-1670.	3.9	61
31	Local Resiniferatoxin Induces Long-Lasting Analgesia in a Rat Model of Full Thickness Thermal Injury. <i>Pain Medicine</i> , 2017, 18, pnw260.	0.9	13
32	Analgesia by deletion of spinal neurokinin 1 receptor expressing neurons using a bioengineered substance P-exotoxin conjugate. <i>Molecular Pain</i> , 2017, 13, 174480691772765.	1.0	9
33	A systems approach for discovering linoleic acid derivatives that potentially mediate pain and itch. <i>Science Signaling</i> , 2017, 10, .	1.6	58
34	Identification of a novel spinal nociceptive-motor gate control for δ pain stimuli in rats. <i>ELife</i> , 2017, 6, .	2.8	26
35	Comprehensive antibody profiles as personalized indicators of health and disease. <i>Discovery Medicine</i> , 2017, 24, 161-168.	0.5	2
36	Transcriptomic analyses of genes and tissues in inherited sensory neuropathies. <i>Experimental Neurology</i> , 2016, 283, 375-395.	2.0	72

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37	Transcriptomic Segregation of Human Autoantigens Useful for the Diagnosis of Autoimmune Diseases. <i>Molecular Diagnosis and Therapy</i> , 2016, 20, 415-427.	1.6	23
38	No evidence of antibodies against GAD65 and other specific antigens in children with autism. <i>BBA Clinical</i> , 2015, 4, 81-84.	4.1	6
39	Anti-cytokine autoantibodies in postherpetic neuralgia. <i>Journal of Translational Medicine</i> , 2015, 13, 333.	1.8	26
40	Helical assemblies: Structure determinants. <i>Journal of Theoretical Biology</i> , 2015, 369, 80-84.	0.8	8
41	TRPV1 Agonist Cytotoxicity for Chronic Pain Relief. , 2015, , 99-118.		0
42	Site-specific mesenchymal control of inflammatory pain to yeast challenge in vulvodynia-afflicted and pain-free women. <i>Pain</i> , 2015, 156, 386-396.	2.0	51
43	CT-guided injection of a TRPV1 agonist around dorsal root ganglia decreases pain transmission in swine. <i>Science Translational Medicine</i> , 2015, 7, 305ra145.	5.8	42
44	Intrathecal resiniferatoxin in a dog model. <i>Pain</i> , 2015, 156, 1018-1024.	2.0	82
45	A new splice of life for the μ -opioid receptor. <i>Journal of Clinical Investigation</i> , 2015, 125, 2558-2561.	3.9	3
46	Helical Assemblies and SH Domains. , 2015, , 229-253.		0
47	Molecular Signatures of Mouse TRPV1-Lineage Neurons Revealed by RNA-Seq Transcriptome Analysis. <i>Journal of Pain</i> , 2014, 15, 1338-1359.	0.7	104
48	Constrained TRPV1 agonists synthesized via silver-mediated intramolecular azo-methine ylide cycloaddition of α -iminoamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 963-968.	1.0	8
49	Nociception and inflammatory hyperalgesia evaluated in rodents using infrared laser stimulation after <i>Trpv1</i> gene knockout or resiniferatoxin lesion. <i>Pain</i> , 2014, 155, 733-745.	2.0	58
50	Itch-Associated Peptides: RNA-Seq and Bioinformatic Analysis of Natriuretic Precursor Peptide B and Gastrin Releasing Peptide in Dorsal Root and Trigeminal Ganglia, and the Spinal Cord. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-44.	1.0	54
51	Primary Sjögren's Syndrome Is Characterized by Distinct Phenotypic and Transcriptional Profiles of IgD+ Unswitched Memory B Cells. <i>Arthritis and Rheumatology</i> , 2014, 66, 2558-2569.	2.9	48
52	TGF- β 1 Sensitizes TRPV1 through Cdk5 Signaling in Odontoblast-Like Cells. <i>Molecular Pain</i> , 2013, 9, 1744-8069-9-24.	1.0	29
53	Personalized Medicine and Opioid Analgesic Prescribing for Chronic Pain: Opportunities and Challenges. <i>Journal of Pain</i> , 2013, 14, 103-113.	0.7	98
54	Lack of Serum Antibodies against <i>Borrelia burgdorferi</i> in Children with Autism. <i>Vaccine Journal</i> , 2013, 20, 1092-1093.	3.2	6

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55	Altered Antibody Profiles against Common Infectious Agents in Chronic Disease. PLoS ONE, 2013, 8, e81635.	1.1	10
56	Resiniferatoxin for Pain Treatment: An Interventional Approach to Personalized Pain Medicine. Open Pain Journal, 2013, 6, 95-107.	0.4	54
57	Transforming growth factor- β 1 regulates Cdk5 activity in primary sensory neurons.. Journal of Biological Chemistry, 2012, 287, 27449.	1.6	1
58	Serology-Enabled Discovery of Genetically Diverse Hepaciviruses in a New Host. Journal of Virology, 2012, 86, 6171-6178.	1.5	219
59	The Cancer-Associated Virus Landscape in HIV Patients with Oral Hairy Leukoplakia, Kaposi's Sarcoma, and Non-Hodgkin Lymphoma. AIDS Research and Treatment, 2012, 2012, 1-10.	0.3	5
60	Transforming Growth Factor- β 1 Regulates Cdk5 Activity in Primary Sensory Neurons. Journal of Biological Chemistry, 2012, 287, 16917-16929.	1.6	50
61	Adult-Onset Immunodeficiency in Thailand and Taiwan. New England Journal of Medicine, 2012, 367, 725-734.	13.9	431
62	Development of microLIPS (Luciferase Immunoprecipitation Systems): a novel microfluidic assay for rapid serum antibody detection. , 2012, , .		2
63	Small Molecule Positive Allosteric Modulation of TRPV1 Activation by Vanilloids and Acidic pH. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 152-160.	1.3	44
64	Positive Allosteric Modulation of TRPV1 as a Novel Analgesic Mechanism. Molecular Pain, 2012, 8, 1744-8069-8-70.	1.0	22
65	Two Major Autoantibody Clusters in Systemic Lupus Erythematosus. PLoS ONE, 2012, 7, e32001.	1.1	92
66	Extrapancreatic Autoantibody Profiles in Type I Diabetes. PLoS ONE, 2012, 7, e45216.	1.1	24
67	LIPS arrays for simultaneous detection of antibodies against partial and whole proteomes of HCV, HIV and EBV. Molecular BioSystems, 2011, 7, 1453.	2.9	28
68	Searching for biomarkers: humoral response profiling with luciferase immunoprecipitation systems. Expert Review of Proteomics, 2011, 8, 309-316.	1.3	24
69	Recombinant expression of the AChR-alpha1 subunit for the detection of conformation-dependent epitopes in Myasthenia Gravis. Neuromuscular Disorders, 2011, 21, 204-213.	0.3	18
70	Serological Studies Confirm the Novel Astrovirus HMOAstV-C as a Highly Prevalent Human Infectious Agent. PLoS ONE, 2011, 6, e22576.	1.1	66
71	The Vanilloid Agonist Resiniferatoxin for Interventional-Based Pain Control. Current Topics in Medicinal Chemistry, 2011, 11, 2171-2179.	1.0	83
72	Disruption of the Transient Receptor Potential Vanilloid 1 Can Affect Survival, Bacterial Clearance, and Cytokine Gene Expression during Murine Sepsis. Anesthesiology, 2011, 114, 1190-1199.	1.3	42

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73	Microfluidic LIPS for serum antibody detection: demonstration of a rapid test for HSV-2 infection. <i>Biomedical Microdevices</i> , 2011, 13, 1053-1062.	1.4	25
74	Resveratrol Inhibits Cdk5 Activity through Regulation of p35 Expression. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-49.	1.0	27
75	Antibody Profiling of <i>Borrelia burgdorferi</i> Infection in Horses. <i>Vaccine Journal</i> , 2011, 18, 1562-1567.	3.2	11
76	Anti-cytokine autoantibodies are associated with opportunistic infection in patients with thymic neoplasia. <i>Blood</i> , 2010, 116, 4848-4858.	0.6	134
77	High levels of Anti-GAD65 and Anti-Ro52 autoantibodies in a patient with major depressive disorder showing psychomotor disturbance. <i>Journal of Neuroimmunology</i> , 2010, 222, 87-89.	1.1	16
78	Prolonged analgesic response of cornea to topical resiniferatoxin, a potent TRPV1 agonist. <i>Pain</i> , 2010, 149, 522-528.	2.0	65
79	Distinct Profiles of Antibodies to Kaposi Sarcoma-associated Herpesvirus Antigens in Patients with Kaposi Sarcoma, Multicentric Castleman Disease, and Primary Effusion Lymphoma. <i>Journal of Infectious Diseases</i> , 2010, 201, 1919-1922.	1.9	38
80	Proteome-wide Anti-Hepatitis C Virus (HCV) and Anti-HIV Antibody Profiling for Predicting and Monitoring the Response to HCV Therapy in HIV-coinfected Patients. <i>Journal of Infectious Diseases</i> , 2010, 202, 894-898.	1.9	18
81	Antibody-profiling technologies for studying humoral responses to infectious agents. <i>Expert Review of Vaccines</i> , 2010, 9, 567-578.	2.0	70
82	Rapid, Simple, Quantitative, and Highly Sensitive Antibody Detection for Lyme Disease. <i>Vaccine Journal</i> , 2010, 17, 904-909.	3.2	48
83	Rapid induction of autoantibodies during ARDS and septic shock. <i>Journal of Translational Medicine</i> , 2010, 8, 97.	1.8	29
84	Ablation of Rat TRPV1-Expressing Adelta/C-Fibers with Resiniferatoxin: Analysis of Withdrawal Behaviors, Recovery of Function and Molecular Correlates. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-94.	1.0	67
85	Distinct profiles of antibodies to Kaposi sarcoma-associated herpesvirus antigens in patients with Kaposi sarcoma, multicentric Castleman's disease, and primary effusion lymphoma. <i>Infectious Agents and Cancer</i> , 2010, 5, .	1.2	0
86	RT-PCR Analysis of Pain Genes: Use of Gel-Based RT-PCR for Studying Induced and Tissue-Enriched Gene Expression. <i>Methods in Molecular Biology</i> , 2010, 617, 279-295.	0.4	10
87	Serological Diagnosis of Human Herpes Simplex Virus Type 1 and 2 Infections by Luciferase Immunoprecipitation System Assay. <i>Vaccine Journal</i> , 2009, 16, 366-371.	3.2	46
88	Antibody Profiling by Luciferase Immunoprecipitation Systems (LIPS). <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	109
89	Perineural Resiniferatoxin Selectively Inhibits Inflammatory Hyperalgesia. <i>Molecular Pain</i> , 2008, 4, 1744-8069-4-3.	1.0	50
90	Localization of S100A8 and S100A9 expressing neutrophils to spinal cord during peripheral tissue inflammation. <i>Pain</i> , 2008, 134, 216-231.	2.0	30

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91	Potential downsides of perfect pain relief. <i>Nature</i> , 2007, 446, 24-24.	13.7	7
92	Peripheral inflammation increases Scya2 expression in sensory ganglia and cytokine and endothelial related gene expression in inflamed tissue. <i>Journal of Neurochemistry</i> , 2007, 103, 1628-1643.	2.1	42
93	Cyclin-dependent kinase 5 activity regulates pain signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 791-796.	3.3	107
94	Selective ablation of nociceptive neurons for elimination of hyperalgesia and neurogenic inflammation. <i>Journal of Neurosurgery</i> , 2005, 102, 522-525.	0.9	52
95	Physiologic and Antinociceptive Effects of Intrathecal Resiniferatoxin in a Canine Bone Cancer Model. <i>Anesthesiology</i> , 2005, 103, 1052-1059.	1.3	160
96	Vanilloid Receptor 1 Regulates Multiple Calcium Compartments and Contributes to Ca ²⁺ -induced Ca ²⁺ Release in Sensory Neurons. <i>Journal of Biological Chemistry</i> , 2004, 279, 16377-16387.	1.6	127
97	Comparison of experimental and acute clinical pain responses in humans as pain phenotypes. <i>Journal of Pain</i> , 2004, 5, 377-384.	0.7	65
98	Deletion of vanilloid receptor 1-expressing primary afferent neurons for pain control. <i>Journal of Clinical Investigation</i> , 2004, 113, 1344-1352.	3.9	297
99	Peripherally induced resiniferatoxin analgesia. <i>Pain</i> , 2003, 104, 219-228.	2.0	84
100	Direct interstitial infusion of NK ₁ -targeted neurotoxin into the spinal cord: a computational model. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R243-R254.	0.9	15
101	Protein Kinase C α Is Required for Vanilloid Receptor 1 Activation. <i>Journal of Biological Chemistry</i> , 2002, 277, 35752-35759.	1.6	108
102	Intrathecaly administered cholera toxin blocks allodynia and hyperalgesia in persistent pain models. <i>Journal of Pain</i> , 2001, 2, 118-127.	0.7	18
103	Neuropeptide Y in trigeminal ganglion following chronic constriction injury of the rat infraorbital nerve: is there correlation to somatosensory parameters?. <i>Pain</i> , 2001, 91, 111-121.	2.0	38
104	Anandamide Activates Vanilloid Receptor 1 (VR1) at Acidic pH in Dorsal Root Ganglia Neurons and Cells Ectopically Expressing VR1. <i>Journal of Biological Chemistry</i> , 2001, 276, 31163-31170.	1.6	119
105	Ligand-induced Dynamic Membrane Changes and Cell Deletion Conferred by Vanilloid Receptor 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 11021-11030.	1.6	215
106	Co-localization of N-methyl-d-aspartate receptors and substance P (neurokinin-1) receptors in rat spinal cord. <i>Neuroscience Letters</i> , 2000, 291, 61-64.	1.0	22
107	Pain Intensity Processing Within the Human Brain: A Bilateral, Distributed Mechanism. <i>Journal of Neurophysiology</i> , 1999, 82, 1934-1943.	0.9	934
108	A Paracrine Paradigm for in Vivo Gene Therapy in the Central Nervous System: Treatment of Chronic Pain. <i>Human Gene Therapy</i> , 1999, 10, 1251-1257.	1.4	112

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109	Actions of intrathecal diphtheria toxin-substance P fusion protein on models of persistent pain. <i>Pain</i> , 1999, 79, 243-253.	2.0	48
110	Transcription factor regulation of prodynorphin gene expression following rat hindpaw inflammation. <i>Molecular Brain Research</i> , 1998, 53, 259-269.	2.5	85
111	Effects of D2 dopamine receptor antagonists on fos protein expression in the striatal complex and entorhinal cortex of the nonhuman primate. , 1996, 23, 182-191.		31
112	Unilateral decrease in thalamic activity observed with positron emission tomography in patients with chronic neuropathic pain. <i>Pain</i> , 1995, 63, 55-64.	2.0	309
113	Basal and Inducible Transcriptional Activity of an Upstream AP-1/CRE Element (DYNCRE3) in the Prodynorphin Promoter. <i>Molecular and Cellular Neurosciences</i> , 1994, 5, 238-245.	1.0	39
114	Enkephalin, dynorphin and substance P in postmortem substantia nigra from normals and schizophrenic patients. <i>Life Sciences</i> , 1991, 48, 1919-1930.	2.0	23
115	Spinal opioid analgesic effects are enhanced in a model of unilateral inflammation/hyperalgesia: possible involvement of noradrenergic mechanisms. <i>European Journal of Pharmacology</i> , 1991, 194, 135-143.	1.7	189
116	Up-regulation of opioid gene expression in spinal cord evoked by experimental nerve injuries and inflammation. <i>Brain Research</i> , 1991, 560, 186-192.	1.1	153
117	Dynorphin increases in the dorsal spinal cord in rats with a painful peripheral neuropathy. <i>Peptides</i> , 1990, 11, 719-728.	1.2	177
118	Temporal analysis of increases in c-fos, preprodynorphin and preproenkephalin mRNAs in rat spinal cord. <i>Molecular Brain Research</i> , 1989, 6, 31-37.	2.5	304
119	Effect of multiple dorsal rhizotomies on calcitonin gene-related peptide-like immunoreactivity in the lumbosacral dorsal spinal cord of the cat: A radioimmunoassay analysis. <i>Peptides</i> , 1989, 10, 979-983.	1.2	41
120	Differential activation of spinal cord dynorphin and enkephalin neurons during hyperalgesia: evidence using cDNA hybridization. <i>Brain Research</i> , 1988, 455, 205-212.	1.1	264
121	Enhancement of dynorphin gene expression in spinal cord following experimental inflammation: stimulus specificity, behavioral parameters and opioid receptor binding. <i>Pain</i> , 1988, 35, 313-326.	2.0	402
122	Analgesic activity and release of [Met5]enkephalin-Arg6-Gly7-Leu8 from rat spinal cord in vivo. <i>European Journal of Pharmacology</i> , 1986, 121, 39-48.	1.7	36
123	Substance P antagonists in substantia nigra are anticonvulsant. <i>Brain Research</i> , 1986, 382, 372-378.	1.1	29
124	Anatomical Analysis of Transient Potential Vanilloid Receptor 1 (Trpv1+) and Mu-Opioid Receptor (Oprm1+) Co-expression in Rat Dorsal Root Ganglion Neurons. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	5