

# Istvan Nagy

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	3,779 citations	32 h-index	60 g-index
92 ext. papers	4,132 ext. citations	5.8 avg, IF	4.89 L-index

#	Paper	IF	Citations
88	Rare co-occurrence of multiple sclerosis and Wilson's disease - case report.. <i>BMC Neurology</i> , <b>2022</b> , 22, 178	3.1	
87	Lactate dehydrogenase activity staining demonstrates time-dependent immune cell infiltration in human ex-vivo burn-injured skin. <i>Scientific Reports</i> , <b>2021</b> , 11, 21249	4.9	1
86	Imidazoline ligand BU224 reverses cognitive deficits, reduces microgliosis and enhances synaptic connectivity in a mouse model of Alzheimer's disease. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 654-671	8.6	4
85	TRPV1 feed-forward sensitisation depends on COX2 upregulation in primary sensory neurons. <i>Scientific Reports</i> , <b>2021</b> , 11, 3514	4.9	2
84	Spinal Excitatory Dynorphinergic Interneurons Contribute to Burn Injury-Induced Nociception Mediated by Phosphorylated Histone 3 at Serine 10 in Rodents. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
83	Histone post-translational modifications as potential therapeutic targets for pain management. <i>Trends in Pharmacological Sciences</i> , <b>2021</b> , 42, 897-911	13.2	2
82	CB receptor-dependent desensitisation of TRPV1 channels contributes to the analgesic effect of dipyrone in sensitised primary sensory neurons. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 4615-4626	8.6	4
81	Cyclin-dependent-like kinase 5 is required for pain signaling in human sensory neurons and mouse models. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	4
80	Fatty acid amide hydrolase inhibition normalises bladder function and reduces pain through normalising the anandamide/palmitoylethanolamine ratio in the inflamed bladder of rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2020</b> , 393, 263-272	3.4	3
79	Leptin and fractalkine: novel subcutaneous cytokines in burn injury. <i>DMM Disease Models and Mechanisms</i> , <b>2020</b> , 13,	4.1	2
78	Microdialysis Workflow for Metabotyping Superficial Pathologies: Application to Burn Injury. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6541-6548	7.8	5
77	TRPV1 Antagonists as Novel Anti-Diabetic Agents: Regulation of Oral Glucose Tolerance and Insulin Secretion Through Reduction of Low-Grade Inflammation?. <i>Medical Sciences (Basel, Switzerland)</i> , <b>2019</b> , 7,	3.3	6
76	Peripheral inflammation affects modulation of nociceptive synaptic transmission in the spinal cord induced by N-arachidonoylphosphatidylethanolamine. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 2322-2336	8.6	6
75	The insulin receptor is differentially expressed in somatic and visceral primary sensory neurons. <i>Cell and Tissue Research</i> , <b>2018</b> , 374, 243-249	4.2	3
74	The Insulin Receptor Is Colocalized With the TRPV1 Nociceptive Ion Channel and Neuropeptides in Pancreatic Spinal and Vagal Primary Sensory Neurons. <i>Pancreas</i> , <b>2018</b> , 47, 110-115	2.6	9
73	The NA1.7 blocker protoxin II reduces burn injury-induced spinal nociceptive processing. <i>Journal of Molecular Medicine</i> , <b>2018</b> , 96, 75-84	5.5	7
72	Insulin Confers Differing Effects on Neurite Outgrowth in Separate Populations of Cultured Dorsal Root Ganglion Neurons: The Role of the Insulin Receptor. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 732	5.1	7

71	Phosphorylated Histone 3 at Serine 10 Identifies Activated Spinal Neurons and Contributes to the Development of Tissue Injury-Associated Pain. <i>Scientific Reports</i> , <b>2017</b> , 7, 41221	4.9	8
70	Inflammation of peripheral tissues and injury to peripheral nerves induce differing effects in the expression of the calcium-sensitive N-arachidonylethanolamine-synthesizing enzyme and related molecules in rat primary sensory neurons. <i>Journal of Comparative Neurology</i> , <b>2017</b> , 525, 1778-1796	3.4	5
69	Spatial Distribution of the Cannabinoid Type 1 and Capsaicin Receptors May Contribute to the Complexity of Their Crosstalk. <i>Scientific Reports</i> , <b>2016</b> , 6, 33307	4.9	13
68	TRPV4: Molecular Conductor of a Diverse Orchestra. <i>Physiological Reviews</i> , <b>2016</b> , 96, 911-73	47.9	206
67	Anandamide produced by Ca(2+)-insensitive enzymes induces excitation in primary sensory neurons. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2014</b> , 466, 1421-35	4.6	9
66	Anandamide in primary sensory neurons: too much of a good thing?. <i>European Journal of Neuroscience</i> , <b>2014</b> , 39, 409-18	3.5	13
65	Transient receptor potential ion channels in primary sensory neurons as targets for novel analgesics. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 2508-27	8.6	64
64	Prolonged exposure to bradykinin and prostaglandin E2 increases TRPV1 mRNA but does not alter TRPV1 and TRPV1b protein expression in cultured rat primary sensory neurons. <i>Neuroscience Letters</i> , <b>2014</b> , 564, 89-93	3.3	11
63	Pharmacology of the capsaicin receptor, transient receptor potential vanilloid type-1 ion channel. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , <b>2014</b> , 68, 39-76		36
62	Characterisation of cannabinoid 1 receptor expression in the perikarya, and peripheral and spinal processes of primary sensory neurons. <i>Brain Structure and Function</i> , <b>2013</b> , 218, 733-50	4	40
61	Peripheral mechanisms of burn injury-associated pain. <i>European Journal of Pharmacology</i> , <b>2013</b> , 716, 169-78	5.3	22
60	Rapid genotyping of genetically modified laboratory animals from whole blood samples without DNA preparation. <i>Acta Biologica Hungarica</i> , <b>2013</b> , 64, 262-5		
59	Isoflurane causes neocortical but not hippocampal-dependent memory impairment in mice. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2012</b> , 56, 1052-7	1.9	13
58	Severe burn injury induces a characteristic activation of extracellular signal-regulated kinase 1/2 in spinal dorsal horn neurons. <i>European Journal of Pain</i> , <b>2011</b> , 15, 683-90	3.7	6
57	Systemic inflammation enhances surgery-induced cognitive dysfunction in mice. <i>Neuroscience Letters</i> , <b>2011</b> , 498, 63-6	3.3	95
56	Xenon fails to inhibit capsaicin-evoked CGRP release by nociceptors in culture. <i>Neuroscience Letters</i> , <b>2011</b> , 499, 124-6	3.3	5
55	Xenon reduces activation of transient receptor potential vanilloid type 1 (TRPV1) in rat dorsal root ganglion cells and in human TRPV1-expressing HEK293 cells. <i>Life Sciences</i> , <b>2011</b> , 88, 141-9	6.8	2
54	Peripheral orthopaedic surgery down-regulates hippocampal brain-derived neurotrophic factor and impairs remote memory in mouse. <i>Neuroscience</i> , <b>2011</b> , 190, 194-9	3.9	26

53	Molecular structure of transient receptor potential vanilloid type 1 ion channel (TRPV1). <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 115-21	2.6	6
52	TRPV1 function in health and disease. <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 130-44	2.6	49
51	Extracellular signal-regulated kinases in pain of peripheral origin. <i>European Journal of Pharmacology</i> , <b>2011</b> , 650, 8-17	5.3	16
50	Effects of cannabinoids on capsaicin receptor activity following exposure of primary sensory neurons to inflammatory mediators. <i>Life Sciences</i> , <b>2010</b> , 87, 162-8	6.8	11
49	Sensitization of the transient receptor potential vanilloid type 1 ion channel by isoflurane or sevoflurane does not result in extracellular signal-regulated kinase 1/2 activation in rat spinal dorsal horn neurons. <i>Neuroscience</i> , <b>2010</b> , 166, 633-8	3.9	1
48	The endogenous cannabinoid anandamide inhibits transient receptor potential vanilloid type 1 receptor-mediated currents in rat cultured primary sensory neurons. <i>Acta Physiologica Hungarica</i> , <b>2010</b> , 97, 149-58		22
47	2010 International consensus algorithm for the diagnosis, therapy and management of hereditary angioedema. <i>Allergy, Asthma and Clinical Immunology</i> , <b>2010</b> , 6, 24	3.2	333
46	Role of transient receptor potential and acid-sensing ion channels in peripheral inflammatory pain. <i>Anesthesiology</i> , <b>2010</b> , 112, 729-41	4.3	29
45	Localization of the endocannabinoid-degrading enzyme fatty acid amide hydrolase in rat dorsal root ganglion cells and its regulation after peripheral nerve injury. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 3766-80	6.6	46
44	Capsaicin-sensitive primary sensory neurons in the mouse express N-Acyl phosphatidylethanolamine phospholipase D. <i>Neuroscience</i> , <b>2009</b> , 161, 572-7	3.9	12
43	Cannabinoid 1 receptor activation inhibits transient receptor potential vanilloid type 1 receptor-mediated cationic influx into rat cultured primary sensory neurons. <i>Neuroscience</i> , <b>2009</b> , 162, 1202-11	3.9	41
42	Functional transient receptor potential vanilloid 1 is expressed in human urothelial cells. <i>Journal of Urology</i> , <b>2009</b> , 182, 2944-50	2.5	56
41	Molecular Mechanisms of TRPV1-Mediated Pain. <i>NeuroImmune Biology</i> , <b>2009</b> , 8, 75-99		6
40	An Historical Introduction to the Endocannabinoid and Endovanilloid Systems <b>2008</b> , 3-13		1
39	Hereditary angioedema: a current state-of-the-art review, VII: Canadian Hungarian 2007 International Consensus Algorithm for the Diagnosis, Therapy, and Management of Hereditary Angioedema. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2008</b> , 100, S30-40	3.2	162
38	Cystitis is associated with TRPV1b-downregulation in rat dorsal root ganglia. <i>NeuroReport</i> , <b>2008</b> , 19, 1469-72	1.7	16
37	Functional Molecular Biology of the TRPV1 Ion Channel <b>2008</b> , 101-130		2
36	Neurochemical characterization of insulin receptor-expressing primary sensory neurons in wild-type and vanilloid type 1 transient receptor potential receptor knockout mice. <i>Journal of Comparative Neurology</i> , <b>2007</b> , 503, 334-47	3.4	32

35	Taking the sting out of pain. <i>British Journal of Pharmacology</i> , <b>2007</b> , 151, 721-2	8.6	2
34	Capsaicin-sensitive sensory fibers in the islets of Langerhans contribute to defective insulin secretion in Zucker diabetic rat, an animal model for some aspects of human type 2 diabetes. <i>European Journal of Neuroscience</i> , <b>2007</b> , 25, 213-23	3.5	123
33	Mechanisms underlying joint pain. <i>Drug Discovery Today Disease Mechanisms</i> , <b>2006</b> , 3, 357-363		1
32	Inflammatory mediators convert anandamide into a potent activator of the vanilloid type 1 transient receptor potential receptor in nociceptive primary sensory neurons. <i>Neuroscience</i> , <b>2005</b> , 136, 539-48	3.9	71
31	The distribution of sensory fibers immunoreactive for the TRPV1 (capsaicin) receptor in the human prostate. <i>European Urology</i> , <b>2005</b> , 48, 162-7	10.2	43
30	Anandamide-evoked activation of vanilloid receptor 1 contributes to the development of bladder hyperreflexia and nociceptive transmission to spinal dorsal horn neurons in cystitis. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 11253-63	6.6	164
29	The role of the vanilloid (capsaicin) receptor (TRPV1) in physiology and pathology. <i>European Journal of Pharmacology</i> , <b>2004</b> , 500, 351-69	5.3	197
28	Canadian 2003 International Consensus Algorithm For the Diagnosis, Therapy, and Management of Hereditary Angioedema. <i>Journal of Allergy and Clinical Immunology</i> , <b>2004</b> , 114, 629-37	11.5	155
27	Activation of capsaicin-sensitive primary sensory neurones induces anandamide production and release. <i>Journal of Neurochemistry</i> , <b>2003</b> , 84, 585-91	6	68
26	Anandamide regulates neuropeptide release from capsaicin-sensitive primary sensory neurons by activating both the cannabinoid 1 receptor and the vanilloid receptor 1 in vitro. <i>European Journal of Neuroscience</i> , <b>2003</b> , 17, 2611-8	3.5	151
25	Insulin induces cobalt uptake in a subpopulation of rat cultured primary sensory neurons. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 2477-86	3.5	40
24	The putative role of vanilloid receptor-like protein-1 in mediating high threshold noxious heat-sensitivity in rat cultured primary sensory neurons. <i>European Journal of Neuroscience</i> , <b>2002</b> , 16, 1483-9	3.5	53
23	Vanilloid receptor 1 expression in the rat urinary tract. <i>Neuroscience</i> , <b>2002</b> , 109, 787-98	3.9	201
22	Cannabinoid 1 receptors are expressed by nerve growth factor- and glial cell-derived neurotrophic factor-responsive primary sensory neurones. <i>Neuroscience</i> , <b>2002</b> , 110, 747-53	3.9	63
21	Chronic neuropathic pain: Pathomechanism and pharmacology. <i>Drug Development Research</i> , <b>2001</b> , 54, 159-166	5.1	4
20	Possible mechanisms of cannabinoid-induced antinociception in the spinal cord. <i>European Journal of Pharmacology</i> , <b>2001</b> , 429, 93-100	5.3	67
19	Cannabinoid 1 receptors are expressed in nociceptive primary sensory neurons. <i>Neuroscience</i> , <b>2000</b> , 100, 685-8	3.9	253
18	Comparison of currents activated by noxious heat in rat and chicken primary sensory neurons. <i>Regulatory Peptides</i> , <b>2000</b> , 96, 3-6		12

17	Similarities and differences between the responses of rat sensory neurons to noxious heat and capsaicin. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 10647-55	6.6	119
16	Immunohistochemical localization of neurokinin-I receptor in the lumbar spinal cord of young rats: morphology and distribution. <i>Somatosensory &amp; Motor Research</i> , <b>1999</b> , 16, 361-8	1.2	3
15	Noxious heat activates all capsaicin-sensitive and also a sub-population of capsaicin-insensitive dorsal root ganglion neurons. <i>Neuroscience</i> , <b>1999</b> , 88, 995-7	3.9	118
14	Alterations of substance P immunoreactivity in lumbar and thoracic segments of rat spinal cord in ultraviolet irradiation induced hyperalgesia of the hindpaw. <i>Brain Research</i> , <b>1998</b> , 786, 248-51	3.7	10
13	Spinal neurokinin NK1 receptor down-regulation and antinociception: effects of spinal NK1 receptor antisense oligonucleotides and NK1 receptor occupancy. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 688-98	6	30
12	Is there a nociceptive carousel?. <i>Trends in Pharmacological Sciences</i> , <b>1997</b> , 18, 223-224	13.2	7
11	Lignocaine selectively reduces C fibre-evoked neuronal activity in rat spinal cord in vitro by decreasing N-methyl-D-aspartate and neurokinin receptor-mediated post-synaptic depolarizations; implications for the development of novel centrally acting analgesics. <i>Pain</i> , <b>1996</b> , 64, 59-70	8	87
10	Possible branching of myelinated primary afferent fibres in the dorsal root of the rat. <i>Brain Research</i> , <b>1995</b> , 703, 223-6	3.7	3
9	Combination of cobalt labelling with immunocytochemical reactions for electron microscopic investigations on frog spinal cord. <i>Microscopy Research and Technique</i> , <b>1994</b> , 28, 60-6	2.8	3
8	Cobalt accumulation in neurons expressing ionotropic excitatory amino acid receptors in young rat spinal cord: morphology and distribution. <i>Journal of Comparative Neurology</i> , <b>1994</b> , 344, 321-35	3.4	36
7	NK1 and NK2 receptors contribute to C-fibre evoked slow potentials in the spinal cord. <i>NeuroReport</i> , <b>1994</b> , 5, 2105-8	1.7	35
6	Hyperexcitability in the Spinal Dorsal Horn: Cooperation of Neuropeptides and Excitatory Amino Acids <b>1994</b> , 379-399		
5	The role of neurokinin and N-methyl-D-aspartate receptors in synaptic transmission from capsaicin-sensitive primary afferents in the rat spinal cord in vitro. <i>Neuroscience</i> , <b>1993</b> , 52, 1029-37	3.9	97
4	Cobalt uptake enables identification of capsaicin- and bradykinin-sensitive subpopulations of rat dorsal root ganglion cells in vitro. <i>Neuroscience</i> , <b>1993</b> , 56, 241-6	3.9	34
3	The effects of NK-1 and NK-2 receptor antagonists on the capsaicin evoked synaptic response in the rat spinal cord in vitro. <i>Regulatory Peptides</i> , <b>1993</b> , 46, 413-4		7
2	Morphological and membrane properties of young rat lumbar and thoracic dorsal root ganglion cells with unmyelinated axons. <i>Brain Research</i> , <b>1993</b> , 609, 193-200	3.7	13
1	Spatial distribution of pre- and postsynaptic sites of axon terminals in the dorsal horn of the frog spinal cord. <i>Neuroscience</i> , <b>1989</b> , 29, 175-88	3.9	28