

Charles H Hubscher

List of Publications by Year in descending order

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66
papers

2,009
citations

236925

25
h-index

254184

43
g-index

66
all docs

66
docs citations

66
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative method for assessing stages of the rat estrous cycle. <i>Biotechnic and Histochemistry</i> , 2005, 80, 79-87.	1.3	181
2	Neuronal responses to stimulation of the cervix, uterus, colon, and skin in the rat spinal cord. <i>Journal of Neurophysiology</i> , 1993, 69, 545-556.	1.8	132
3	Are there separate central nervous system pathways for touch and pain?. <i>Nature Medicine</i> , 1995, 1, 766-773.	30.7	112
4	Responses of medullary reticular formation neurons to input from the male genitalia. <i>Journal of Neurophysiology</i> , 1996, 76, 2474-2482.	1.8	112
5	Improvements in bladder, bowel and sexual outcomes following task-specific locomotor training in human spinal cord injury. <i>PLoS ONE</i> , 2018, 13, e0190998.	2.5	96
6	Lumbosacral spinal cord epidural stimulation improves voiding function after human spinal cord injury. <i>Scientific Reports</i> , 2018, 8, 8688.	3.3	85
7	Intraspinal modulation of neuronal responses to uterine and cervix stimulation in rat L1 and L6 dorsal horn. <i>Brain Research</i> , 1993, 622, 71-78.	2.2	71
8	Responses of neurons in caudal solitary nucleus of female rats to stimulation of vagina, cervix, uterine horn and colon. <i>Brain Research</i> , 1994, 664, 1-8.	2.2	68
9	Chronic spinal cord injury induced changes in the responses of thalamic neurons. <i>Experimental Neurology</i> , 2006, 197, 177-188.	4.1	60
10	Spinal and vagal influences on the responses of rat solitary nucleus neurons to stimulation of uterus, cervix and vagina. <i>Brain Research</i> , 1995, 702, 251-254.	2.2	58
11	Novel Multi-System Functional Gains via Task Specific Training in Spinal Cord Injured Male Rats. <i>Journal of Neurotrauma</i> , 2014, 31, 819-833.	3.4	58
12	Brainstem microstimulation differentially inhibits pudendal motoneuron reflex inputs. <i>NeuroReport</i> , 1998, 9, 341-345.	1.2	57
13	Changes in Neuronal Receptive Field Characteristics in Caudal Brain Stem Following Chronic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 1999, 16, 533-541.	3.4	51
14	Effects of Acute and Chronic Midthoracic Spinal Cord Injury on Neural Circuits for Male Sexual Function. I. Ascending Pathways. <i>Journal of Neurophysiology</i> , 1999, 82, 1381-1389.	1.8	49
15	Brain stem convergence of pelvic viscerosomatic inputs via spinal and vagal afferents. <i>NeuroReport</i> , 2004, 15, 1299-1302.	1.2	42
16	Convergence of multiple pelvic organ inputs in the rat rostral medulla. <i>Journal of Physiology</i> , 2006, 572, 393-405.	2.9	41
17	Identification of bladder and colon afferents in the nodose ganglia of male rats. <i>Journal of Comparative Neurology</i> , 2014, 522, 3667-3682.	1.6	40
18	Effects of exercise training on urinary tract function after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1258-F1268.	2.7	34

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19	Sex and hormonal variations in the development of at-level allodynia in a rat chronic spinal cord injury model. <i>Neuroscience Letters</i> , 2010, 477, 153-156.	2.1	33
20	Effects of Acute and Chronic Midthoracic Spinal Cord Injury on Neural Circuits for Male Sexual Function. II. Descending Pathways. <i>Journal of Neurophysiology</i> , 2000, 83, 2508-2518.	1.8	32
21	Responses of Thalamic Neurons to Input From the Male Genitalia. <i>Journal of Neurophysiology</i> , 2003, 89, 2-11.	1.8	32
22	Co-expression of P2X receptor subunits on rat nodose neurons that bind the isolectin GS-I-B4. <i>NeuroReport</i> , 2001, 12, 2995-2997.	1.2	31
23	Loss and spontaneous recovery of forelimb evoked potentials in both the adult rat cuneate nucleus and somatosensory cortex following contusive cervical spinal cord injury. <i>Experimental Neurology</i> , 2007, 207, 238-247.	4.1	31
24	Persistent Polyuria in a Rat Spinal Contusion Model. <i>Journal of Neurotrauma</i> , 2012, 29, 2490-2498.	3.4	31
25	Spinal Cord Injuries Containing Asymmetrical Damage in the Ventrolateral Funiculus Is Associated With a Higher Incidence of At-Level Allodynia. <i>Journal of Pain</i> , 2010, 11, 864-875.	1.4	29
26	Improvements in Bladder Function Following Activity-Based Recovery Training With Epidural Stimulation After Chronic Spinal Cord Injury. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 614691.	2.5	28
27	Brainstem microstimulation activates sympathetic fibers in pudendal nerve motor branch. <i>NeuroReport</i> , 2000, 11, 379-382.	1.2	22
28	Ascending spinal pathways from sexual organs: effects of chronic spinal lesions. <i>Progress in Brain Research</i> , 2006, 152, 401-414.	1.4	22
29	The effect of spinal cord injury on the neurochemical properties of vagal sensory neurons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R1021-R1033.	1.8	21
30	Training-Induced Functional Gains following SCI. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	2.2	21
31	Convergence of nociceptive information in the forebrain of female rats: Reproductive organ response variations with stage of estrus. <i>Experimental Neurology</i> , 2008, 210, 375-387.	4.1	19
32	Effects of 17 β -Estradiol on Responses of Viscerosomatic Convergent Thalamic Neurons in the Ovariectomized Female Rat. <i>Journal of Neurophysiology</i> , 2009, 102, 1062-1074.	1.8	19
33	Estradiol-associated variation in responses of rostral medullary neurons to somatovisceral stimulation. <i>Experimental Neurology</i> , 2006, 200, 227-239.	4.1	17
34	Effects of spinal cord injury on the rat estrous cycle. <i>Brain Research</i> , 2006, 1100, 118-124.	2.2	17
35	Select spinal lesions reveal multiple ascending pathways in the rat conveying input from the male genitalia. <i>Journal of Physiology</i> , 2010, 588, 1073-1083.	2.9	16
36	Effects of Lateral Funiculus Sparing, Spinal Lesion Level, and Gender on Recovery of Bladder Voiding Reflexes and Hematuria in Rats. <i>Journal of Neurotrauma</i> , 2015, 32, 200-208.	3.4	16

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37	Urinary Bladder Irritation Alters Efficacy of Vagal Stimulation on Rostral Medullary Neurons in Chronic T8 Spinalized Rats. <i>Journal of Neurotrauma</i> , 2007, 24, 1219-1228.	3.4	15
38	Estradiol Treatment Prevents Injury Induced Enhancement in Spinal Cord Dynorphin Expression. <i>Frontiers in Physiology</i> , 2012, 3, 28.	2.8	15
39	Changes in rat brainstem responsiveness to somatovisceral inputs following acute bladder irritation. <i>Experimental Neurology</i> , 2007, 203, 349-357.	4.1	13
40	Segmental Neuropathic Pain Does Not Develop in Male Rats with Complete Spinal Transections. <i>Journal of Neurotrauma</i> , 2008, 25, 1241-1245.	3.4	12
41	Altered vasopressin and natriuretic peptide levels in a rat model of spinal cord injury: implications for the development of polyuria. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F58-F66.	2.7	12
42	Targeting bladder function with network-specific epidural stimulation after chronic spinal cord injury. <i>Scientific Reports</i> , 2022, 12, .	3.3	12
43	Effects of Chronic Dorsal Column Lesions on Pelvic Viscerosomatic Convergent Medullary Reticular Formation Neurons. <i>Journal of Neurophysiology</i> , 2004, 92, 3596-3600.	1.8	11
44	Recommendations for evaluation of bladder and bowel function in pre-clinical spinal cord injury research. <i>Journal of Spinal Cord Medicine</i> , 2020, 43, 165-176.	1.4	11
45	Effect of Different Forms of Activity-Based Recovery Training on Bladder, Bowel, and Sexual Function After Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 865-873.	0.9	11
46	Convergence and cross talk in urogenital neural circuitries. <i>Journal of Neurophysiology</i> , 2013, 110, 1997-2005.	1.8	10
47	Sexual Function after Spinal Cord Injury: Innervation, Assessment, and Treatment. <i>Current Sexual Health Reports</i> , 2016, 8, 106-115.	0.8	10
48	Differential effects of chronic spinal hemisection on somatic and visceral inputs to caudal brainstem. <i>Brain Research</i> , 2002, 947, 234-242.	2.2	9
49	Activity-based Training on a Treadmill with Spinal Cord Injured Wistar Rats. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	9
50	Bladder and bowel responses to lumbosacral epidural stimulation in uninjured and transected anesthetized rats. <i>Scientific Reports</i> , 2021, 11, 3268.	3.3	9
51	Bilateral Bulbospinal Projections to Pudendal Motoneuron Circuitry after Chronic Spinal Cord Hemisection Injury as Revealed by Transsynaptic Tracing with Pseudorabies Virus. <i>Journal of Neurotrauma</i> , 2011, 28, 595-605.	3.4	8
52	Activity-Based Training Alters Penile Reflex Responses in a Rat Model of Spinal Cord Injury. <i>Journal of Sexual Medicine</i> , 2019, 16, 1143-1154.	0.6	8
53	Investigation of Bowel Function with Anorectal Manometry in a Rat Spinal Cord Contusion Model. <i>Journal of Neurotrauma</i> , 2020, 37, 1971-1982.	3.4	7
54	Identification of penile inputs to the rat gracile nucleus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1015-R1023.	1.8	6

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55	Activity-Based Training Reverses Spinal Cord Injury-Induced Changes in Kidney Receptor Densities and Membrane Proteins. <i>Journal of Neurotrauma</i> , 2020, 37, 555-563.	3.4	6
56	Timeline of Changes in Biomarkers Associated with Spinal Cord Injury-Induced Polyuria. <i>Neurotrauma Reports</i> , 2021, 2, 462-475.	1.4	6
57	Choice of cystometric technique impacts detrusor contractile dynamics in wistar rats. <i>Physiological Reports</i> , 2021, 9, e14724.	1.7	5
58	Impact of long-term epidural electrical stimulation enabled task-specific training on secondary conditions of chronic paraplegia in two humans. <i>Journal of Spinal Cord Medicine</i> , 2021, 44, 513-514.	1.4	5
59	Challenges and opportunities of sensory plasticity after SCI. <i>Frontiers in Physiology</i> , 2013, 4, 231.	2.8	4
60	Thoracolumbar epidural stimulation effects on bladder and bowel function in uninjured and chronic transected anesthetized rats. <i>Scientific Reports</i> , 2022, 12, 2137.	3.3	4
61	Effects of surgical induction of endometriosis on response properties of preoptic area neurons in rats. <i>Brain Research</i> , 2008, 1246, 101-110.	2.2	2
62	Telemetric monitoring of penile pressure during mating in rats after chronic spinal cord injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R673-R683.	1.8	2
63	Kinematic analysis of penile reflexes in a rat model of spinal cord injury. <i>Asian Journal of Andrology</i> , 2021, 23, 30.	1.6	2
64	Impact of activity-based recovery training and desmopressin on spinal cord injury-induced polyuria in Wistar rats. <i>Journal of Spinal Cord Medicine</i> , 2023, 46, 910-916.	1.4	1
65	Hormonal events and spinal cord injury: A focus on vasopressin and natriuretic peptide. , 2022, , 289-299.		0
66	Spinal cord epidural stimulation for autonomic nervous system control: A focus on improving bladder, bowel, and cardiovascular function. , 2022, , 229-243.		0