

Srinivasu Kallakuri

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,648
citations

304743

22
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of interleukin-1 beta, interleukin-6, and tumor necrosis factor on sensitivity of dorsal root ganglion and peripheral receptive fields in rats. <i>European Spine Journal</i> , 2006, 15, 1529-1537.	2.2	149
2	Pain Generation in Lumbar and Cervical Facet Joints. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 63-67.	3.0	149
3	Effect of Nucleus Pulposus on the Neural Activity of Dorsal Root Ganglion. <i>Spine</i> , 2001, 26, 940-944.	2.0	112
4	Demonstration of Substance P, Calcitonin Gene-Related Peptide, and Protein Gene Product 9.5 Containing Nerve Fibers in Human Cervical Facet Joint Capsules. <i>Spine</i> , 2004, 29, 1182-1186.	2.0	101
5	Effects of Phospholipase A2 on Lumbar Nerve Root Structure and Function. <i>Spine</i> , 1997, 22, 1057-1064.	2.0	80
6	Neurophysiological and biomechanical characterization of goat cervical facet joint capsules. <i>Journal of Orthopaedic Research</i> , 2005, 23, 779-787.	2.3	79
7	Distribution of A β and C-Fiber Receptors in the Cervical Facet Joint Capsule and Their Response to Stretch. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 1807-1816.	3.0	78
8	Effects of Nucleus Pulposus on Nerve Root Neural Activity, Mechanosensitivity, Axonal Morphology, and Sodium Channel Expression. <i>Spine</i> , 2004, 29, 17-25.	2.0	59
9	Neural response of cervical facet joint capsule to stretch: a study of whiplash pain mechanism. <i>Stapp Car Crash Journal</i> , 2005, 49, 49-65.	1.1	58
10	Structural and Functional Changes in Nerve Roots Due to Tension at Various Strains and Strain Rates: An <i>In-Vivo</i> Study. <i>Journal of Neurotrauma</i> , 2009, 26, 627-640.	3.4	57
11	Innervation of the Rabbit Lumbar Intervertebral Disc and Posterior Longitudinal Ligament. <i>Spine</i> , 1995, 20, 2080-2085.	2.0	54
12	An Immunohistochemical Study of Innervation of Lumbar Spinal Dura and Longitudinal Ligaments. <i>Spine</i> , 1998, 23, 403-411.	2.0	54
13	Quantitative Relationship between Axonal Injury and Mechanical Response in a Rodent Head Impact Acceleration Model. <i>Journal of Neurotrauma</i> , 2011, 28, 1767-1782.	3.4	48
14	Phospholipase A2 Sensitivity of the Dorsal Root and Dorsal Root Ganglion. <i>Spine</i> , 1998, 23, 1297-1306.	2.0	46
15	Tensile stretching of cervical facet joint capsule and related axonal changes. <i>European Spine Journal</i> , 2008, 17, 556-563.	2.2	44
16	Recording of Neural Activity From Goat Cervical Facet Joint Capsule Using Custom-Designed Miniature Electrodes. <i>Spine</i> , 2005, 30, 1367-1372.	2.0	38
17	The effect of varying impact energy on diffuse axonal injury in the rat brain: a preliminary study. <i>Experimental Brain Research</i> , 2003, 148, 419-424.	1.5	36
18	Development of an in vivo method to investigate biomechanical and neurophysiological properties of spine facet joint capsules. <i>European Spine Journal</i> , 2005, 14, 565-572.	2.2	36

#	ARTICLE	IF	CITATIONS
19	A new model of traumatic axonal injury to determine the effects of strain and displacement rates. Stapp Car Crash Journal, 2006, 50, 601-23.	1.1	33
20	Neural Response of Cervical Facet Joint Capsule to Stretch: A Study of Whiplash Pain Mechanism. , 0, , .		32
21	Innervation of cervical ventral facet joint capsule: Histological evidence. World Journal of Orthopedics, 2012, 3, 10.	1.8	32
22	The effects of ultrasonic and electrosurgery devices on nerve physiology. British Journal of Neurosurgery, 2012, 26, 856-863.	0.8	26
23	The effects of epidural application of allografted nucleus pulposus in rats on cytokine expression, limb withdrawal and nerve root discharge. European Spine Journal, 2005, 14, 956-964.	2.2	25
24	Correlation of mechanical impact responses and biomarker levels: A new model for biomarker evaluation in TBI. Journal of the Neurological Sciences, 2015, 359, 280-286.	0.6	23
25	Spatial alterations in endothelin receptor expression are temporally associated with the altered microcirculation after brain trauma. Neurological Research, 2007, 29, 362-368.	1.3	21
26	Biomechanical Responses of the Brain in Swine Subject to Free-Field Blasts. Frontiers in Neurology, 2016, 7, 179.	2.4	18
27	Effects of fentanyl on acute locomotor activity, behavioral sensitization, and contextual reward in female and male rats. Drug and Alcohol Dependence, 2021, 229, 109101.	3.2	17
28	Neuronal Injury and Glial Changes Are Hallmarks of Open Field Blast Exposure in Swine Frontal Lobe. PLoS ONE, 2017, 12, e0169239.	2.5	16
29	Impaired axoplasmic transport is the dominant injury induced by an impact acceleration injury device: An analysis of traumatic axonal injury in pyramidal tract and corpus callosum of rats. Brain Research, 2012, 1452, 29-38.	2.2	15
30	Temporal assessment of traumatic axonal injury in the rat corpus callosum and optic chiasm. Brain Research, 2012, 1467, 81-90.	2.2	15
31	Time course of blast-induced injury in the rat auditory cortex. PLoS ONE, 2018, 13, e0193389.	2.5	14
32	Strain and load thresholds for cervical muscle recruitment in response to quasi-static tensile stretch of the caprine C5â€C6 facet joint capsule. Journal of Electromyography and Kinesiology, 2009, 19, e387-e394.	1.7	13
33	Traumatic Brain Injury by a Closed Head Injury Device Induces Cerebral Blood Flow Changes and Microhemorrhages. Journal of Clinical Imaging Science, 2015, 5, 52.	1.1	11
34	Injury predictors for traumatic axonal injury in a rodent head impact acceleration model. Stapp Car Crash Journal, 2011, 55, 25-47.	1.1	11
35	Blast overpressure induced axonal injury changes in rat brainstem and spinal cord. Journal of Neurosciences in Rural Practice, 2015, 06, 481-487.	0.8	10
36	DISTRIBUTION OF AÎ AND C-FIBER RECEPTORS IN THE CERVICAL FACET JOINT CAPSULE AND THEIR RESPONSE TO STRETCH. Journal of Bone and Joint Surgery - Series A, 2006, 88, 1807-1816.	3.0	10

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37	Acute and subacute effects of the ultrasonic blade and electrosurgery on nerve physiology. British Journal of Neurosurgery, 2015, 29, 569-573.	0.8	9
38	Quantitative electroencephalography in a swine model of blast-induced brain injury. Brain Injury, 2017, 31, 120-126.	1.2	9
39	Injury Predictors for Traumatic Axonal Injury in a Rodent Head Impact Acceleration Model. , 0, , .		4
40	PAIN GENERATION IN LUMBAR AND CERVICAL FACET JOINTS. Journal of Bone and Joint Surgery - Series A, 2006, 88, 63-67.	3.0	3
41	Spatial and temporal dynamics of HDACs class IIa following mild traumatic brain injury in adult rats. Molecular Psychiatry, 2022, 27, 1683-1693.	7.9	3
42	Muscular Response to Physiologic Tensile Stretch of the Caprine C5/6 Facet Joint Capsule: Dynamic Recruitment Thresholds and Latencies. , 0, , .		0