

Katinka Stecina

List of Publications by Year in descending order

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25
papers

1,003
citations

516710

16
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling spinal circuitry involved in locomotor pattern generation: insights from the effects of afferent stimulation. <i>Journal of Physiology</i> , 2006, 577, 641-658.	2.9	180
2	Control of Locomotor Cycle Durations. <i>Journal of Neurophysiology</i> , 2005, 94, 1057-1065.	1.8	106
3	Modulation of spontaneous locomotor and respiratory drives to hindlimb motoneurons temporally related to sympathetic drives as revealed by Mayer waves. <i>Frontiers in Neural Circuits</i> , 2015, 9, 1.	2.8	75
4	Excitatory and inhibitory intermediate zone interneurons in pathways from feline group I and II afferents: differences in axonal projections and input. <i>Journal of Physiology</i> , 2009, 587, 379-399.	2.9	71
5	Commissural interneurons with input from group I and II muscle afferents in feline lumbar segments: neurotransmitters, projections and target cells. <i>Journal of Physiology</i> , 2009, 587, 401-418.	2.9	61
6	Stumbling Corrective Reaction During Fictive Locomotion in the Cat. <i>Journal of Neurophysiology</i> , 2005, 94, 2045-2052.	1.8	60
7	Reciprocal Ia inhibition contributes to motoneuronal hyperpolarisation during the inactive phase of locomotion and scratching in the cat. <i>Journal of Physiology</i> , 2011, 589, 119-134.	2.9	59
8	Parallel reflex pathways from flexor muscle afferents evoking resetting and flexion enhancement during fictive locomotion and scratch in the cat. <i>Journal of Physiology</i> , 2005, 569, 275-290.	2.9	55
9	Serotonin controls initiation of locomotion and afferent modulation of coordination via 5-HT ₇ receptors in adult rats. <i>Journal of Physiology</i> , 2017, 595, 301-320.	2.9	54
10	Neuronal relays in double crossed pathways between feline motor cortex and ipsilateral hindlimb motoneurons. <i>Journal of Physiology</i> , 2006, 575, 527-541.	2.9	40
11	Intracellular Analysis of Reflex Pathways Underlying the Stumbling Corrective Reaction During Fictive Locomotion in the Cat. <i>Journal of Neurophysiology</i> , 2005, 94, 2053-2062.	1.8	38
12	Information to cerebellum on spinal motor networks mediated by the dorsal spinocerebellar tract. <i>Journal of Physiology</i> , 2013, 591, 5433-5443.	2.9	36
13	Rhythmic activity of feline dorsal and ventral spinocerebellar tract neurons during fictive motor actions. <i>Journal of Neurophysiology</i> , 2013, 109, 375-388.	1.8	32
14	Same Spinal Interneurons Mediate Reflex Actions of Group Ib and Group II Afferents and Crossed Reticulospinal Actions. <i>Journal of Neurophysiology</i> , 2006, 95, 3911-3922.	1.8	31
15	Uncrossed actions of feline corticospinal tract neurones on lumbar interneurons evoked via ipsilaterally descending pathways. <i>Journal of Physiology</i> , 2007, 580, 133-147.	2.9	21
16	Differential modulation by monoamine membrane receptor agonists of reticulospinal input to lamina VIII feline spinal commissural interneurons. <i>European Journal of Neuroscience</i> , 2007, 26, 1205-1212.	2.6	21
17	Uncrossed actions of feline corticospinal tract neurones on hindlimb motoneurons evoked via ipsilaterally descending pathways. <i>Journal of Physiology</i> , 2007, 580, 119-132.	2.9	15
18	Ipsilateral actions from the feline red nucleus on hindlimb motoneurons. <i>Journal of Physiology</i> , 2008, 586, 5865-5884.	2.9	15

#	ARTICLE	IF	CITATIONS
19	Premotor interneurons contributing to actions of feline pyramidal tract neurones on ipsilateral hindlimb motoneurons. <i>Journal of Physiology</i> , 2008, 586, 557-574.	2.9	14
20	The Subprimary Range of Firing Is Present in Both Cat and Mouse Spinal Motoneurons and Its Relationship to Force Development Is Similar for the Two Species. <i>Journal of Neuroscience</i> , 2018, 38, 9741-9753.	3.6	11
21	Midbrain stimulation-evoked lumbar spinal activity in the adult decerebrate mouse. <i>Journal of Neuroscience Methods</i> , 2017, 288, 99-105.	2.5	4
22	Spinal and corticospinal excitability in response to reductions in skin and core temperatures via whole-body cooling. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 195-205.	1.9	3
23	Editorial: Propriospinal Neurons: Essential Elements in Locomotion, Autonomic Function and Plasticity After Spinal Cord Injury and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 695424.	3.7	1
24	Effects of training with a neuro-mechano stimulator rehabilitation bicycle on functional recovery and paired-reflex depression of the soleus in individuals with incomplete paralysis: a proof-of-principle study. <i>International Journal of Neuroscience</i> , 2019, 129, 1066-1075.	1.6	0
25	Investigations of the functional role of connexin36 in sensory and sympathetic systems in adult mice. <i>FASEB Journal</i> , 2021, 35, .	0.5	0