

Jacques-olivier Coq

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

834
citations

516710

16
h-index

552781

26
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26
all docs

26
docs citations

26
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental enrichment alters organizational features of the forepaw representation in the primary somatosensory cortex of adult rats. <i>Experimental Brain Research</i> , 1998, 121, 191-204.	1.5	109
2	Anatomical and functional organization of somatosensory areas of the lateral fissure of the New World titi monkey (<i>Callicebus moloch</i>). <i>Journal of Comparative Neurology</i> , 2004, 476, 363-387.	1.6	89
3	Impact of neonatal asphyxia and hind limb immobilization on musculoskeletal tissues and S1 map organization: Implications for cerebral palsy. <i>Experimental Neurology</i> , 2008, 210, 95-108.	4.1	70
4	Impact of prenatal ischemia on behavior, cognitive abilities and neuroanatomy in adult rats with white matter damage. <i>Behavioural Brain Research</i> , 2012, 232, 233-244.	2.2	59
5	Neuroanatomical, Sensorimotor and Cognitive Deficits in Adult Rats with White Matter Injury Following Prenatal Ischemia. <i>Brain Pathology</i> , 2012, 22, 1-16.	4.1	56
6	Prenatal ischemia deteriorates white matter, brain organization, and function: implications for prematurity and cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 7-11.	2.1	47
7	Acute reorganization of the forepaw representation in the rat SI cortex after focal cortical injury: neuroprotective effects of piracetam treatment. <i>European Journal of Neuroscience</i> , 1999, 11, 2597-2608.	2.6	44
8	Patterned Activity via Spinal Dorsal Quadrant Inputs Is Necessary for the Formation of Organized Somatosensory Maps. <i>Journal of Neuroscience</i> , 2003, 23, 10321-10330.	3.6	43
9	Peripheral and central changes combine to induce motor behavioral deficits in a moderate repetition task. <i>Experimental Neurology</i> , 2009, 220, 234-245.	4.1	41
10	Mild intrauterine hypoperfusion reproduces neurodevelopmental disorders observed in prematurity. <i>Scientific Reports</i> , 2016, 6, 39377.	3.3	32
11	Mild musculoskeletal and locomotor alterations in adult rats with white matter injury following prenatal ischemia. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 593-607.	1.6	31
12	Perceptual context-dependent remodeling of the forepaw map in the SI cortex of rats trained on tactile discrimination. <i>Behavioural Brain Research</i> , 2005, 162, 207-221.	2.2	26
13	Differential tactile and motor recovery and cortical map alteration after C4-C5 spinal hemisection. <i>Experimental Neurology</i> , 2010, 221, 186-197.	4.1	24
14	Changes in innervation of lumbar motoneurons and organization of premotor network following training of transected adult rats. <i>Experimental Neurology</i> , 2018, 299, 1-14.	4.1	24
15	Abilities in tactile discrimination of textures in adult rats exposed to enriched or impoverished environments. <i>Behavioural Brain Research</i> , 2004, 153, 217-231.	2.2	23
16	Early movement restriction leads to maladaptive plasticity in the sensorimotor cortex and to movement disorders. <i>Scientific Reports</i> , 2018, 8, 16328.	3.3	20
17	Early movement restriction leads to enduring disorders in muscle and locomotion. <i>Brain Pathology</i> , 2018, 28, 889-901.	4.1	18
18	Mild Intrauterine Hypoperfusion Leads to Lumbar and Cortical Hyperexcitability, Spasticity, and Muscle Dysfunctions in Rats: Implications for Prematurity. <i>Frontiers in Neurology</i> , 2018, 9, 423.	2.4	16

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19	Interplay between hypoactivity, muscle properties and motor command: How to escape the vicious deconditioning circle?. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 122-127.	2.3	16
20	A Rat Model of Mild Intrauterine Hypoperfusion with Microcoil Stenosis. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	13
21	From cerebral palsy to developmental coordination disorder: Development of preclinical rat models corresponding to recent epidemiological changes. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 422-430.	2.3	13
22	Plasticity of Adult Sensorimotor System. <i>Neural Plasticity</i> , 2012, 2012, 1-2.	2.2	6
23	Treatment with the essential amino acid L-tryptophan reduces masticatory impairments in experimental cerebral palsy. <i>Nutritional Neuroscience</i> , 2021, 24, 927-939.	3.1	5
24	Coding processes involved in the cortical representation of complex tactile stimuli. <i>Journal of Physiology (Paris)</i> , 2007, 101, 22-31.	2.1	4
25	Prenatal Hypoxia Induces Clâ€“ Cotransporters KCC2 and NKCC1 Developmental Abnormality and Disturbs the Influence of GABAA and Glycine Receptors on Fictive Breathing in a Newborn Rat. <i>Frontiers in Physiology</i> , 2022, 13, 786714.	2.8	3
26	Early movement restriction deteriorates motor function and soleus muscle physiology. <i>Experimental Neurology</i> , 2022, 347, 113886.	4.1	2