

Elena Isaeva

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

992
citations

430874

18
h-index

454955

30
g-index

51
all docs

51
docs citations

51
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial redox state and Ca ²⁺ sparks in permeabilized mammalian skeletal muscle. <i>Journal of Physiology</i> , 2005, 565, 855-872.	2.9	84
2	Role of Extracellular Sialic Acid in Regulation of Neuronal and Network Excitability in the Rat Hippocampus. <i>Journal of Neuroscience</i> , 2007, 27, 11587-11594.	3.6	77
3	Focal epileptiform activity in the prefrontal cortex is associated with long-term attention and sociability deficits. <i>Neurobiology of Disease</i> , 2014, 63, 25-34.	4.4	64
4	Selective impairment of GABAergic synaptic transmission in the flurothyl model of neonatal seizures. <i>European Journal of Neuroscience</i> , 2006, 23, 1559-1566.	2.6	58
5	Metabolic Regulation of Ca ²⁺ Release in Permeabilized Mammalian Skeletal Muscle Fibres. <i>Journal of Physiology</i> , 2003, 547, 453-462.	2.9	51
6	Recurrent neonatal seizures result in long-term increases in neuronal network excitability in the rat neocortex. <i>European Journal of Neuroscience</i> , 2010, 31, 1446-1455.	2.6	48
7	Surface charge impact in low-magnesium model of seizure in rat hippocampus. <i>Journal of Neurophysiology</i> , 2012, 107, 417-423.	1.8	47
8	Possibility of multiquantal transmission at single inhibitory synapse in cultured rat hippocampal neurons. <i>Neuroscience</i> , 1999, 92, 1217-1230.	2.3	42
9	Novel Potent Orthosteric Antagonist of ASIC1a Prevents NMDAR-Dependent LTP Induction. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4449-4461.	6.4	39
10	Altered short-term plasticity in the prefrontal cortex after early life seizures. <i>Neurobiology of Disease</i> , 2013, 50, 120-126.	4.4	38
11	Thrombin facilitates seizures through activation of persistent sodium current. <i>Annals of Neurology</i> , 2012, 72, 192-198.	5.3	35
12	Anticonvulsant Action of GABA in the High Potassium/Low Magnesium Model of Ictogenesis in the Neonatal Rat Hippocampus In Vivo and In Vitro. <i>Journal of Neurophysiology</i> , 2005, 94, 2987-2992.	1.8	34
13	Long-term suppression of GABAergic activity by neonatal seizures in rat somatosensory cortex. <i>Epilepsy Research</i> , 2009, 87, 286-289.	1.6	30
14	Alteration of synaptic plasticity by neonatal seizures in rat somatosensory cortex. <i>Epilepsy Research</i> , 2013, 106, 280-283.	1.6	26
15	Acid-sensing ion channels regulate spontaneous inhibitory activity in the hippocampus: possible implications for epilepsy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150431.	4.0	26
16	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). <i>EBioMedicine</i> , 2019, 40, 663-674.	6.1	24
17	Contribution of protease-activated receptor 1 in status epilepticus-induced epileptogenesis. <i>Neurobiology of Disease</i> , 2015, 78, 68-76.	4.4	23
18	Shunting and hyperpolarizing GABAergic inhibition in the high-potassium model of ictogenesis in the developing rat hippocampus. <i>Hippocampus</i> , 2007, 17, 210-219.	1.9	22

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19	NOX4-dependent regulation of ENaC in hypertension and diabetic kidney disease. <i>FASEB Journal</i> , 2020, 34, 13396-13408.	0.5	21
20	Blockade of endogenous neuraminidase leads to an increase of neuronal excitability and activity-dependent synaptogenesis in the rat hippocampus. <i>European Journal of Neuroscience</i> , 2010, 32, 1889-1896.	2.6	20
21	Hippocampal GABAergic interneurons coexpressing alpha7-nicotinic receptors and connexin-36 are able to improve neuronal viability under oxygen-glucose deprivation. <i>Brain Research</i> , 2015, 1616, 134-145.	2.2	19
22	Inhibition of protease-activated receptor 1 ameliorates behavioral deficits and restores hippocampal synaptic plasticity in a rat model of status epilepticus. <i>Neuroscience Letters</i> , 2019, 692, 64-68.	2.1	17
23	Role of opioid signaling in kidney damage during the development of salt-induced hypertension. <i>Life Science Alliance</i> , 2020, 3, e202000853.	2.8	17
24	Effects of protease-activated receptor 1 inhibition on anxiety and fear following status epilepticus. <i>Epilepsy and Behavior</i> , 2017, 67, 66-69.	1.7	14
25	Persistent sodium current properties in hippocampal CA1 pyramidal neurons of young and adult rats. <i>Neuroscience Letters</i> , 2014, 559, 30-33.	2.1	12
26	Short communication - Effect of neuraminidase treatment on persistent epileptiform activity in the rat hippocampus. <i>Pharmacological Reports</i> , 2011, 63, 840-844.	3.3	10
27	Neuraminidase Inhibition Primes Short-Term Depression and Suppresses Long-Term Potentiation of Synaptic Transmission in the Rat Hippocampus. <i>Neural Plasticity</i> , 2015, 2015, 1-10.	2.2	10
28	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. <i>IScience</i> , 2021, 24, 102528.	4.1	10
29	Neuroaminidase reduces interictal spikes in a rat temporal lobe epilepsy model. <i>Epilepsia</i> , 2011, 52, e12-e15.	5.1	9
30	Status epilepticus results in region-specific alterations in seizure susceptibility along the hippocampal longitudinal axis. <i>Epilepsy Research</i> , 2015, 110, 166-170.	1.6	9
31	Vibrodissociation method for isolation of defined nephron segments from human and rodent kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1398-F1403.	2.7	9
32	Crosstalk between epithelial sodium channels (ENaC) and basolateral potassium channels (K _{ir} 4.1/K _{ir} 5.1) in the cortical collecting duct. <i>British Journal of Pharmacology</i> , 2022, 179, 2953-2968.	5.4	8
33	Sexual dimorphism in the progression of type 2 diabetic kidney disease in T2DN rats. <i>Physiological Genomics</i> , 2021, 53, 223-234.	2.3	7
34	VU6036720: The First Potent and Selective In Vitro Inhibitor of Heteromeric Kir4.1/5.1 Inward Rectifier Potassium Channels. <i>Molecular Pharmacology</i> , 2022, 101, 357-370.	2.3	7
35	Astrocytic responses to high glucose impair barrier formation in cerebral microvessel endothelial cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 322, R571-R580.	1.8	6
36	Behavioral, metabolic, and renal outcomes of 1-month isolation in adolescent male Dahl salt-sensitive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R684-R689.	1.8	4

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37	Scanning ion conductance microscopy of live human glomerulus. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4216-4219.	3.6	3
38	The protease-activated receptor 1 inhibition during epileptogenesis does not alter behavioral excitability in rats. <i>Fiziologichnyi Zhurnal (Kiev, Ukraine: 1994)</i> , 2018, 64, 12-18.	0.6	3
39	PROTEASE-ACTIVATED RECEPTOR 1 INHIBITION DOES NOT AFFECT THE SOCIAL BEHAVIOR AFTER STATUS EPILEPTICUS IN RAT. <i>Fiziologichnyi Zhurnal (Kiev, Ukraine: 1994)</i> , 2018, 64, 17-22.	0.6	3
40	Anesthetic and postanesthetic effects of isoflurane on neuronal activity in the rat hippocampus. <i>Neurophysiology</i> , 2007, 39, 325-326.	0.3	2
41	Contribution of K _{ir} 4.1/K _{ir} 5.1 Channels to the Control of ENaC-Mediated Apical Sodium Transport in the Cortical Collecting Duct. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	2
42	Effect of Neonatal Epileptic Attacks on the Activity of Neocortical Neurons. <i>Neurophysiology</i> , 2011, 43, 227-228.	0.3	1
43	Role of collecting duct principal cell NOS1 ^β in sodium and potassium homeostasis. <i>Physiological Reports</i> , 2021, 9, e15080.	1.7	1
44	Title is missing!. <i>Neurophysiology</i> , 2000, 32, 355-359.	0.3	0
45	Electrolyte therapy reduces spike-and-wave discharges in the WAG/Rij rat model of absence epilepsy. <i>Epilepsy and Behavior</i> , 2012, 24, 399-402.	1.7	0
46	FP230ROLE OF PROTEASE-ACTIVATED RECEPTORS IN REGULATION OF CALCIUM SIGNALING IN PODOCYTES IN TYPE 2 DIABETIC NEPHROPATHY. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, .	0.7	0
47	Remodeling of Purinergic Receptor 2 Signaling in Podocytes In Response to Diabetic Kidney Disease. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
48	Role of Basolateral K _{ir} 4.1/K _{ir} 5.1 Channel in the Regulation of Electrolyte Balance and ENaC Activity in the Cortical Collecting Duct. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
49	Effect of altered extracellular magnesium concentration on the neuronal activity in different hippocampal regions of immature rats. <i>Fiziologicheskii Zhurnal</i> , 2017, 63, 10-16.	0.2	0
50	New Vibro-Dissociation Method for Isolation of Defined Nephron Segments and Small Renal Vessels. <i>FASEB Journal</i> , 2019, 33, 748.10.	0.5	0
51	Sex Hormones and Development of Advanced Diabetic Nephropathy in Diabetic Kidney Disease. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0