

Galina G Skibo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,673
citations

17
h-index

40
g-index

76
ext. papers

1,827
ext. citations

3.1
avg, IF

3.87
L-index

#	Paper	IF	Citations
75	PSA-NCAM is required for activity-induced synaptic plasticity. <i>Neuron</i> , 1996 , 17, 413-22	13.9	536
74	A synthetic neural cell adhesion molecule mimetic peptide promotes synaptogenesis, enhances presynaptic function, and facilitates memory consolidation. <i>Journal of Neuroscience</i> , 2004 , 24, 4197-204	6.6	147
73	Microglia and astrocytes in the adult rat brain: comparative immunocytochemical analysis demonstrates the efficacy of lipocortin 1 immunoreactivity. <i>Neuroscience</i> , 2000 , 96, 195-203	3.9	124
72	Synaptic potentiation induces increased glial coverage of excitatory synapses in CA1 hippocampus. <i>Hippocampus</i> , 2009 , 19, 753-62	3.5	97
71	Synaptic inputs from stroke-injured brain to grafted human stem cell-derived neurons activated by sensory stimuli. <i>Brain</i> , 2017 , 140, 692-706	11.2	77
70	A synthetic NCAM-derived peptide, FGL, protects hippocampal neurons from ischemic insult both in vitro and in vivo. <i>European Journal of Neuroscience</i> , 2005 , 22, 1589-96	3.5	56
69	Tenascin-R-deficient mice show structural alterations of symmetric perisomatic synapses in the CA1 region of the hippocampus. <i>Journal of Comparative Neurology</i> , 2003 , 456, 338-49	3.4	55
68	Ischemia-induced modifications in hippocampal CA1 stratum radiatum excitatory synapses. <i>Hippocampus</i> , 2006 , 16, 814-25	3.5	53
67	Store-operated Ca ²⁺ entry in astrocytes: different spatial arrangement of endoplasmic reticulum explains functional diversity in vitro and in situ. <i>Cell Calcium</i> , 2008 , 43, 591-601	4	44
66	Early reaction of astroglial cells in rat hippocampus to streptozotocin-induced diabetes. <i>Neuroscience Letters</i> , 2008 , 444, 181-5	3.3	36
65	Activity in grafted human iPS cell-derived cortical neurons integrated in stroke-injured rat brain regulates motor behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9094-9100	11.5	24
64	Hippocampus remodeling by chronic stress accompanied by GR, proteasome and caspase-3 overexpression. <i>Brain Research</i> , 2014 , 1593, 83-94	3.7	24
63	Excitatory synaptic activity is associated with a rapid structural plasticity of inhibitory synapses on hippocampal CA1 pyramidal cells. <i>Neuropharmacology</i> , 2011 , 60, 757-64	5.5	24
62	Microglia in organotypic hippocampal slice culture and effects of hypoxia: ultrastructure and lipocortin-1 immunoreactivity. <i>Neuroscience</i> , 2000 , 96, 427-38	3.9	23
61	Distribution of microglia and astrocytes in different regions of the normal adult rat brain. <i>Neurophysiology</i> , 1997 , 29, 343-351	0.6	22
60	Fibroblast growth factor-2 overexpression in transplanted neural progenitors promotes perivascular cluster formation with a neurogenic potential. <i>Stem Cells</i> , 2009 , 27, 1309-17	5.8	21
59	Morphological and functional changes in rat hippocampal slice cultures after short-term oxygen-glucose deprivation. <i>Journal of Cellular and Molecular Medicine</i> , 2004 , 8, 241-8	5.6	20

58	Contribution of protease-activated receptor 1 in status epilepticus-induced epileptogenesis. <i>Neurobiology of Disease</i> , 2015 , 78, 68-76	7.5	17
57	Neurotropic and Trophic Action of Lion's Mane Mushroom <i>Hericium erinaceus</i> (Bull.: Fr.) Pers. (Aphyllophoromycetidae) Extracts on Nerve Cells in Vitro. <i>International Journal of Medicinal Mushrooms</i> , 2007 , 9, 15-28	1.3	17
56	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, 134-45	3.7	15
55	Grafted human pluripotent stem cell-derived cortical neurons integrate into adult human cortical neural circuitry. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1365-1377	6.9	15
54	Technique to quantify local clustering of synaptic vesicles using single section data. <i>Microscopy Research and Technique</i> , 2004 , 65, 287-91	2.8	15
53	Post-tetanic depression of GABAergic synaptic transmission in rat hippocampal cell cultures. <i>Neuroscience Letters</i> , 2002 , 323, 5-8	3.3	15
52	Lingonberries and their two separated fractions differently alter the gut microbiota, improve metabolic functions, reduce gut inflammatory properties, and improve brain function in ApoE ^{-/-} mice fed high-fat diet. <i>Nutritional Neuroscience</i> , 2020 , 23, 600-612	3.6	15
51	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, 1889-96	3.5	14
50	An electron microscopic analysis of rubrospinal tract termination in the spinal cord of the cat. <i>Brain Research</i> , 1975 , 85, 511-6	3.7	14
49	Impact of colostrum and plasma immunoglobulin intake on hippocampus structure during early postnatal development in pigs. <i>International Journal of Developmental Neuroscience</i> , 2014 , 35, 64-71	2.7	13
48	Lateral patterns of the neural cell adhesion molecule on the surface of hippocampal cells developing in vitro. <i>Neuroscience</i> , 1993 , 55, 491-8	3.9	13
47	HIF-1 β -mediated upregulation of SERCA2b: The endogenous mechanism for alleviating the ischemia-induced intracellular Ca ²⁺ store dysfunction in CA1 and CA3 hippocampal neurons. <i>Cell Calcium</i> , 2016 , 59, 251-61	4	10
46	Cytoskeleton-mediated, age-dependent lateral topography of lectin-gold-labelled molecules on the plasma membrane of cultured neurons: a statistical view. <i>Neuroscience</i> , 1993 , 52, 369-79	3.9	10
45	Brief anoxia preconditioning and HIF prolyl-hydroxylase inhibition enhances neuronal resistance in organotypic hippocampal slices on model of ischemic damage. <i>Brain Research</i> , 2011 , 1386, 175-83	3.7	9
44	Growth related changes in sugar determinants on the surface of C6 glioma cells in culture: a cytochemical lectin-binding study. <i>Journal of Neuroscience Research</i> , 1995 , 42, 192-8	4.4	8
43	The spatial pattern of the synaptic vesicular apparatus as a correlate of transmitter storage models. <i>Neuroscience Letters</i> , 1991 , 131, 156-8	3.3	8
42	The axosomatic contacts on the bursting neuron of the snail <i>Helix pomatia</i> . I. Ultrastructural features of the axosomatic contacts. <i>Cellular and Molecular Neurobiology</i> , 1984 , 4, 31-41	4.6	8
41	Long-term fate of grafted hippocampal neural progenitor cells following ischemic injury. <i>Journal of Neuroscience Research</i> , 2014 , 92, 964-74	4.4	7

40	Comparative ultrastructural analysis of mitochondria in the CA1 and CA3 hippocampal pyramidal cells following global ischemia in Mongolian gerbils. <i>Anatomical Record</i> , 2011 , 294, 1057-65	2.1	7
39	Effect of neuraminidase treatment on persistent epileptiform activity in the rat hippocampus. <i>Pharmacological Reports</i> , 2011 , 63, 840-4	3.9	7
38	Structural modifications of astrocytes in the hippocampus after experimental cerebral ischemia in gerbils. <i>Neurophysiology</i> , 2005 , 37, 359-364	0.6	7
37	Extracellular matrix heparin induces alteration of the cell adhesion during brain development. <i>Neurochemistry International</i> , 2002 , 40, 277-83	4.4	6
36	Neural cell adhesion molecule (N-CAM) distribution may predict the effect of neurotoxins on the brain. <i>Toxicol</i> , 1995 , 33, 577-81	2.8	6
35	Computer simulation approach to the quantification of immunogold labelling on plasma membrane of cultured neurons. <i>Journal of Neuroscience Methods</i> , 2000 , 96, 11-7	3	5
34	Neurodegenerative changes in the hippocampus within the early period of experimental diabetes mellitus. <i>Neurophysiology</i> , 2008 , 40, 26-33	0.6	4
33	Changes in the neural cell adhesion molecule patterns on the rat glial cell surfaces with development and contact formation in vitro. <i>Neuroscience Letters</i> , 1993 , 154, 17-9	3.3	4
32	Blocking effect of intraperitoneal injection of phenylalanine on high-threshold calcium currents in rat hippocampal neurones. <i>Brain Research</i> , 1991 , 552, 228-31	3.7	4
31	Ultrastructural study of mouse adipose-derived stromal cells induced towards osteogenic direction. <i>Microscopy Research and Technique</i> , 2016 , 79, 557-64	2.8	3
30	Relationship of Grafted FGF-2-Overexpressing Neural Stem/Progenitor Cells With the Vasculature in the Cerebral Cortex. <i>Cell Transplantation</i> , 2016 , 25, 1359-69	4	3
29	Diet-induced changes in brain structure and behavior in old gerbils. <i>Nutrition and Diabetes</i> , 2015 , 5, e1634.7		2
28	Diet supplemented with pancreatic-like enzymes of microbial origin restores the hippocampal neuronal plasticity and behaviour in young pigs with experimental exocrine pancreatic insufficiency. <i>Journal of Functional Foods</i> , 2015 , 14, 270-277	5.1	2
27	Role of the synaptic microenvironment in functional modification of synaptic transmission. <i>Neurophysiology</i> , 1999 , 31, 79-81	0.6	2
26	Hypoxia-Inducible Factor: Pattern of the Effects and Their Dualism. <i>Neurophysiology</i> , 2015 , 47, 252-261	0.6	1
25	Early molecular events in the hippocampus of rats with streptozotocin-induced diabetes. <i>Neurophysiology</i> , 2007 , 39, 435-438	0.6	1
24	Estimation of the number of synaptic vesicles in asymmetric synapses between hippocampal neurons. <i>Neurophysiology</i> , 2006 , 38, 182-185	0.6	1
23	The axosomatic contacts on the bursting neuron of the snail <i>Helix pomatia</i> . II. Ultrastructural localization of adenylate cyclase. <i>Cellular and Molecular Neurobiology</i> , 1984 , 4, 43-52	4.6	1

22	Structural features of synaptic connections between descending systems and spinal neurons in the cat. <i>Neuroscience</i> , 1979 , 4, 965-71	3.9	1
21	Glycine receptors are involved in hippocampal neuronal damage caused by oxygen-glucose deficiency. <i>Cell Biology International</i> , 2018 , 42, 1423-1431	4.5	
20	Co-Expression of Glutamic Acid Decarboxylase Isoform 67, Membrane Nicotinic Acetylcholine Receptors, and Connexin 36 in Ischemia-Resistant Hippocampal Interneurons. <i>Neurophysiology</i> , 2012 , 43, 394-396	0.6	
19	Cooperation of HIF- and NCAM-mediated mechanisms in cell viability of hippocampal cultures after oxygen-glucose deprivation. <i>Cell Biology International</i> , 2017 , 41, 1119-1126	4.5	
18	Structural plasticity of synapses in hippocampal slices after oxygen-glucose deprivation. <i>Neurophysiology</i> , 2011 , 43, 223-226	0.6	
17	Integration of Grafted Neural Progenitor Cells in a Host Hippocampal Circuitry after Ischemic Injury. <i>Neurophysiology</i> , 2011 , 43, 324-326	0.6	
16	The role of hyaluronate in morphogenesis of the neurons. <i>Neurophysiology</i> , 1997 , 29, 16-21	0.6	
15	Microglial cells of the rat brain in postnatal period (comparative immunocytochemical analysis). <i>Neurophysiology</i> , 1997 , 29, 145-152	0.6	
14	Behavioral reactions of gerbils and structural alterations in their hippocampus after cerebral ischemia-reperfusion. <i>Neurophysiology</i> , 2007 , 39, 396-405	0.6	
13	Age-related changes in synaptic vesicle pools of axo-dendritic synapses on hippocampal CA1 pyramidal neurons in mice. <i>Neurophysiology</i> , 2006 , 38, 344-347	0.6	
12	Effect of a Peptide Mimetic of NCAM on the Structure and Metabolic Activity of Organotypic Hippocampal Cultures during Induced Ischemia. <i>Neurophysiology</i> , 2002 , 34, 233-236	0.6	
11	Analysis of Spatial Distribution of Vesicles in Presynaptic Terminals of the Hippocampus in vivo and in vitro. <i>Neurophysiology</i> , 2000 , 32, 300-304	0.6	
10	Modeling of Myelination and Demyelination Processes in Cell Culture of the Rat Cerebellum. <i>Neurophysiology</i> , 2000 , 32, 383-389	0.6	
9	Changes in the topography of a number of outer membrane proteins in cultured neurons in conditions of selective lesioning of different elements of the cytoskeleton with neurotoxins. <i>Neuroscience and Behavioral Physiology</i> , 2000 , 30, 513-20	0.3	
8	Comparative morphometric analysis of lateral and medial perforant path synapses in the dentate gyrus of adult rats. <i>Neurophysiology</i> , 2000 , 32, 177-178	0.6	
7	Prospects for the studies of the cellular and molecular mechanisms of brain damage on a model system of cultured hippocampal slices. <i>Neurophysiology</i> , 1999 , 31, 89-93	0.6	
6	Cell adhesion molecule (NCAM): Its role in the development and functioning of cultured hippocampal neurons. <i>Neurophysiology</i> , 1999 , 31, 199-202	0.6	
5	Reaction of microglia and astrocytes in the rat brain cortex to free-electron laser irradiation. <i>Neurophysiology</i> , 1999 , 31, 271-275	0.6	

4	Spatial distribution of synaptic vesicles in presynaptic terminals: Computer simulation. <i>Neurophysiology</i> , 1999 , 31, 276-279	0.6
3	Phenylalanine intraperitoneal injection effect on high-voltage calcium channels in rat hippocampal neurons. <i>Neurophysiology</i> , 1991 , 23, 84-88	0.6
2	Mitochondrial Events Determine the Status of Hippocampal Cells in the Post-Ischemic Period. <i>Neuroscience Bulletin</i> , 2021 , 37, 1246-1250	4.3
1	Varying Dietary Component Ratios and Lingonberry Supplementation May Affect the Hippocampal Structure of ApoE ^{-/-} Mice.. <i>Frontiers in Nutrition</i> , 2022 , 9, 565051	6.2