

Natalia V Gounko

List of Publications by Year in descending order

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45
papers

2,138
citations

304368

22
h-index

253896

43
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52
all docs

52
docs citations

52
times ranked

4086
citing authors

#	ARTICLE	IF	CITATIONS
1	HDAC4 Governs a Transcriptional Program Essential for Synaptic Plasticity and Memory. <i>Cell</i> , 2012, 151, 821-834.	13.5	235
2	A LRRK2-Dependent EndophilinA Phosphoswitch Is Critical for Macroautophagy at Presynaptic Terminals. <i>Neuron</i> , 2016, 92, 829-844.	3.8	202
3	The <sc>SAC</sc>1 domain in synaptojanin is required for autophagosome maturation at presynaptic terminals. <i>EMBO Journal</i> , 2017, 36, 1392-1411.	3.5	174
4	Deficiency of parkin and PINK1 impairs age-dependent mitophagy in <i>Drosophila</i> . <i>ELife</i> , 2018, 7, .	2.8	167
5	Glutamatergic Synapse Formation is Promoted by β 7-Containing Nicotinic Acetylcholine Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 7651-7661.	1.7	127
6	Hsp90 Mediates Membrane Deformation and Exosome Release. <i>Molecular Cell</i> , 2018, 71, 689-702.e9.	4.5	103
7	Angiopoietin-like 4 Stimulates STAT3-mediated iNOS Expression and Enhances Angiogenesis to Accelerate Wound Healing in Diabetic Mice. <i>Molecular Therapy</i> , 2014, 22, 1593-1604.	3.7	89
8	Torsins Are Essential Regulators of Cellular Lipid Metabolism. <i>Developmental Cell</i> , 2016, 38, 235-247.	3.1	88
9	The nuage mediates retrotransposon silencing in mouse primordial ovarian follicles. <i>Development (Cambridge)</i> , 2013, 140, 3819-3825.	1.2	73
10	PARL deficiency in mouse causes Complex III defects, coenzyme Q depletion, and Leigh-like syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 277-286.	3.3	64
11	Induction of Dendritic Spines by β 2-Containing Nicotinic Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 8391-8400.	1.7	61
12	Nuclear envelope-associated endosomes deliver surface proteins to the nucleus. <i>Nature Communications</i> , 2015, 6, 8218.	5.8	61
13	An Input-Specific Orphan Receptor GPR158-HSPG Interaction Organizes Hippocampal Mossy Fiber-CA3 Synapses. <i>Neuron</i> , 2018, 100, 201-215.e9.	3.8	60
14	A Modular Organization of LRR Protein-Mediated Synaptic Adhesion Defines Synapse Identity. <i>Neuron</i> , 2018, 99, 329-344.e7.	3.8	57
15	Corticotropin-releasing factor and urocortin differentially modulate rat Purkinje cell dendritic outgrowth and differentiation in vitro. <i>European Journal of Neuroscience</i> , 2004, 19, 1749-1758.	1.2	56
16	The non-coding RNA BC1 regulates experience-dependent structural plasticity and learning. <i>Nature Communications</i> , 2017, 8, 293.	5.8	42
17	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. <i>Nature Communications</i> , 2019, 10, 4147.	5.8	41
18	Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. <i>Nature Communications</i> , 2020, 11, 5171.	5.8	35

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19	Crn7 Interacts with AP-1 and Is Required for the Maintenance of Golgi Morphology and Protein Export from the Golgi. <i>Journal of Biological Chemistry</i> , 2006, 281, 31070-31078.	1.6	33
20	Modernization of Golgi staining techniques for high-resolution, 3-dimensional imaging of individual neurons. <i>Scientific Reports</i> , 2019, 9, 130.	1.6	32
21	Experience-Dependent Remodeling of Basket Cell Networks in the Dentate Gyrus. <i>Neuron</i> , 2014, 84, 107-122.	3.8	30
22	Corticotropin releasing factor-binding protein (CRF-BP) as a potential new therapeutic target in Alzheimer's disease and stress disorders. <i>Translational Psychiatry</i> , 2019, 9, 272.	2.4	30
23	ZO-1 and ZO-2 Are Required for Extra-Embryonic Endoderm Integrity, Primitive Ectoderm Survival and Normal Cavitation in Embryoid Bodies Derived from Mouse Embryonic Stem Cells. <i>PLoS ONE</i> , 2014, 9, e99532.	1.1	28
24	Corticotropin-releasing factor and urocortin regulate spine and synapse formation: structural basis for stress-induced neuronal remodeling and pathology. <i>Molecular Psychiatry</i> , 2013, 18, 86-92.	4.1	27
25	Increased biogenesis of glucagon-containing secretory granules and glucagon secretion in BIG3-knockout mice. <i>Molecular Metabolism</i> , 2015, 4, 246-252.	3.0	24
26	Torsin and NEP1R1-CTDNEP1 phosphatase affect interphase nuclear pore complex insertion by lipid-dependent and lipid-independent mechanisms. <i>EMBO Journal</i> , 2021, 40, e106914.	3.5	24
27	In Situ Entry of Oligonucleotides into Brain Cells Can Occur through a Nucleic Acid Channel. <i>Oligonucleotides</i> , 2007, 17, 122-133.	2.7	21
28	BIG3 inhibits insulin granule biogenesis and insulin secretion. <i>EMBO Reports</i> , 2014, 15, 714-22.	2.0	21
29	CRF and urocortin differentially modulate GluR2 expression and distribution in parallel fiber-Purkinje cell synapses. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 513-522.	1.0	16
30	TMEM115 as an integral membrane protein of the Golgi apparatus involved in retrograde transport. <i>Journal of Cell Science</i> , 2014, 127, 2825-39.	1.2	14
31	The dynamic developmental localization of the full-length corticotropin-releasing factor receptor type 2 in rat cerebellum. <i>European Journal of Neuroscience</i> , 2006, 23, 3217-3224.	1.2	13
32	Multiple cell adhesion molecules shaping a complex nicotinic synapse on neurons. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 74-82.	1.0	12
33	Detection of insulin granule exocytosis by an electrophysiology method with high temporal resolution reveals enlarged insulin granule pool in BIG3-knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E611-E618.	1.8	11
34	Corticotropin-releasing factor induces functional and structural synaptic remodelling in acute stress. <i>Translational Psychiatry</i> , 2021, 11, 378.	2.4	11
35	Prolyl endopeptidase-like is a (thio)esterase involved in mitochondrial respiratory chain function. <i>IScience</i> , 2021, 24, 103460.	1.9	8
36	Localization and functional roles of corticotropin-releasing factor receptor type 2 in the cerebellum. <i>Cerebellum</i> , 2008, 7, 4-8.	1.4	6

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37	A workflow for streamlined acquisition and correlation of serial regions of interest in array tomography. <i>BMC Biology</i> , 2021, 19, 152.	1.7	6
38	The Ubiquitin Ligase CBLC Maintains the Network Organization of the Golgi Apparatus. <i>PLoS ONE</i> , 2015, 10, e0138789.	1.1	4
39	Gold-substituted Silver-intensified Peroxidase Immunolabeling for FIB-SEM Imaging. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 351-360.	1.3	4
40	Preservation of Fluorescence Signal and Imaging Optimization for Integrated Light and Electron Microscopy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 737621.	1.8	4
41	The glutamate receptor delta 2 in relation to cerebellar development and plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 1095-1100.	2.9	3
42	Thymocyte development in the absence of matrix metalloproteinase-9/gelatinase B. <i>Scientific Reports</i> , 2016, 6, 29852.	1.6	3
43	An accelerated procedure for approaching and imaging of optically branded region of interest in tissue. <i>Methods in Cell Biology</i> , 2021, 162, 205-221.	0.5	3
44	Histochemical study of effects of weak electromagnetic field on structures of the rat midbrain. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2005, 41, 119-125.	0.2	0
45	Localization and functional roles of corticotropin-releasing factor receptor type 2 in the cerebellum. <i>Cerebellum</i> , 2008, 7, 1-5.	1.4	0