Grigori N Enikolopov

List of Publications by Year
in descending order

128	18,845	28736 57	17373 126
papers	citations	h-index	g-index

140	140	140	25639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The bioavailability time of commonly used thymidine analogues after intraperitoneal delivery in mice: labeling kinetics in vivo and clearance from blood serum. Histochemistry and Cell Biology, 2022, 157, 239-250.	0.8	5
2	Spatiotemporal 3D image registration for mesoscale studies of brain development. Scientific Reports, 2022, 12, 3648.	1.6	0
3	Synthetic Thymidine Analog Labeling without Misconceptions. Cells, 2022, 11, 1888.	1.8	5
4	nNOS regulates ciliated cell polarity, ciliary beat frequency, and directional flow in mouse trachea. Life Science Alliance, 2021, 4, e202000981.	1.3	6
5	Modes of division and differentiation of neural stem cells. Behavioural Brain Research, 2019, 374, 112118.	1.2	42
6	Slowly Reducible Genetically Encoded Green Fluorescent Indicator for In Vivo and Ex Vivo Visualization of Hydrogen Peroxide. International Journal of Molecular Sciences, 2019, 20, 3138.	1.8	24
7	Involvement of Adult-born and Preexisting Olfactory Bulb and Dentate Gyrus Neurons in Single-trial Olfactory Memory Acquisition and Retrieval. Neuroscience, 2019, 422, 75-87.	1.1	3
8	Early Seizure Activity Accelerates Depletion of Hippocampal Neural Stem Cells and Impairs Spatial Discrimination in an Alzheimerâ€™s Disease Model. Cell Reports, 2019, 27, 3741-3751.e4.	2.9	51
9	A radical switch in clonality reveals a stem cell niche in the epiphyseal growth plate. Nature, 2019, 567, 234-238.	13.7	153
10	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. Cell Metabolism, 2019, 29, 1061-1077.e8.	7.2	293
11	Spatial geometry of stem cell proliferation in the adult hippocampus. Scientific Reports, 2018, 8, 3444.	1.6	5
12	Triple S-Phase Labeling of Dividing Stem Cells. Stem Cell Reports, 2018, 10, 615-626.	2.3	27
13	Genetically encoded calcium indicator with NTnC-like design and enhanced fluorescence contrast and kinetics. BMC Biotechnology, 2018, 18, 10.	1.7	16
14	Noninvasive Tracking of Anesthesia Neurotoxicity in the Developing Rodent Brain. Anesthesiology, 2018, 129, 118-130.	1.3	9
15	NTnC-like genetically encoded calcium indicator with a positive and enhanced response and fast kinetics. Scientific Reports, 2018, 8, 15233.	1.6	24
16	Neural stem cell spacing questions their self-renewal. Aging, 2018, 10, 1793-1794.	1.4	6
17	Radiation Induces Distinct Changes in Defined Subpopulations of Neural Stem and Progenitor Cells in the Adult Hippocampus. Frontiers in Neuroscience, 2018, 12, 1013.	1.4	24
18	Tracing dividing stem cells. Aging, 2018, 10, 1534-1535.	1.4	5

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19	Adult enteric nervous system in health is maintained by a dynamic balance between neuronal apoptosis and neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3709-E3718.	3.3	208
20	18. Nitric oxide mediates differentiation and survival of neuronal cells. , 2017, , 169-176.		0
21	DALMATIAN: An Algorithm for Automatic Cell Detection and Counting in 3D. Frontiers in Neuroanatomy, 2017, 11, 117.	0.9	15
22	Green fluorescent genetically encoded calcium indicator based on calmodulin/M13-peptide from fungi. PLoS ONE, 2017, 12, e0183757.	1.1	22
23	Xenobiotic-induced activation of human aryl hydrocarbon receptor target genes inDrosophilais mediated by the epigenetic chromatin modifiers. Oncotarget, 2017, 8, 102934-102947.	0.8	5
24	A new design for a green calcium indicator with a smaller size and a reduced number of calcium-binding sites. Scientific Reports, 2016, 6, 34447.	1.6	35
25	802 Identification of the True Adult Enteric Neural Precursor Provides Evidence of Robust Steady-State Neurogenesis in the Enteric Nervous System. Gastroenterology, 2016, 150, S169.	0.6	0
26	Nestin-Expressing Precursors Give Rise to Both Endothelial as well as Nonendothelial Lymph Node Stromal Cells. Journal of Immunology, 2016, 197, 2686-2694.	0.4	29
27	VEGF preconditioning leads to stem cell remodeling and attenuates age-related decay of adult hippocampal neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7828-E7836.	3.3	59
28	Nestin-Based Reporter Transgenic Mouse Lines. Methods in Molecular Biology, 2016, 1453, 7-14.	0.4	12
29	Nestin-expressing vascular wall cells drive development of pulmonary hypertension. European Respiratory Journal, 2016, 47, 876-888.	3.1	33
30	Multipotent Glia-Like Stem Cells Mediate Stress Adaptation. Stem Cells, 2015, 33, 2037-2051.	1.4	31
31	Brain Maturation in Neonatal Rodents Is Impeded by Sevoflurane Anesthesia. Anesthesiology, 2015, 123, 557-568.	1.3	32
32	Altered Hippocampal Neurogenesis and Amygdalar Neuronal Activity in Adult Mice with Repeated Experience of Aggression. Frontiers in Neuroscience, 2015, 9, 443.	1.4	32
33	NTPDase2 and Purinergic Signaling Control Progenitor Cell Proliferation in Neurogenic Niches of the Adult Mouse Brain. Stem Cells, 2015, 33, 253-264.	1.4	45
34	Fluorescent ratiometric pH indicator SypHer2: Applications in neuroscience and regenerative biology. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 2318-2328.	1.1	72
35	Norbin ablation results in defective adult hippocampal neurogenesis and depressive-like behavior in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9745-9750.	3.3	51
36	Viral and Transgenic Reporters and Genetic Analysis of Adult Neurogenesis. Cold Spring Harbor Perspectives in Biology, 2015, 7, a018804.	2.3	44

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37	Neuropeptide Y regulates the hematopoietic stem cell microenvironment and prevents nerve injury in the bone marrow. EMBO Journal, 2015, 34, 1648-1660.	3.5	53
38	Single-Cell RNA-Seq with Waterfall Reveals Molecular Cascades underlying Adult Neurogenesis. Cell Stem Cell, 2015, 17, 360-372.	5.2	680
39	Combination of Hypomorphic Mutations of the Drosophila Homologues of Aryl Hydrocarbon Receptor and Nucleosome Assembly Protein Family Genes Disrupts Morphogenesis, Memory and Detoxification. PLoS ONE, 2014, 9, e94975.	1.1	16
40	Metabolic Profiling of Dividing Cells in Live Rodent Brain by Proton Magnetic Resonance Spectroscopy (1HMRS) and LCModel Analysis. PLoS ONE, 2014, 9, e94755.	1.1	18
41	How Much H₂O₂ Is Produced by Recombinant D-Amino Acid Oxidase in Mammalian Cells?. Antioxidants and Redox Signaling, 2014, 20, 1039-1044.	2.5	62
42	Genetically encoded fluorescent indicator for imaging NAD+/NADH ratio changes in different cellular compartments. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 951-957.	1.1	94
43	Red fluorescent genetically encoded indicator for intracellular hydrogen peroxide. Nature Communications, 2014, 5, 5222.	5.8	207
44	p53-Dependent Nestin Regulation Links Tumor Suppression to Cellular Plasticity in Liver Cancer. Cell, 2014, 158, 579-592.	13.5	176
45	Brain stem cell division and maintenance studied using multiâ€isotope imaging mass spectrometry (MIMS). Surface and Interface Analysis, 2014, 46, 140-143.	0.8	7
46	Extended Effect of Chronic Social Defeat Stress in Childhood on Behaviors in Adulthood. PLoS ONE, 2014, 9, e91762.	1.1	35
47	Calorie restriction alleviates the ageâ€related decrease in neural progenitor cell division in the aging brain. European Journal of Neuroscience, 2013, 37, 1987-1993.	1.2	60
48	Nitric oxide mediates local activity-dependent excitatory synapse development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4142-51.	3.3	37
49	A population of Nestin-expressing progenitors in the cerebellum exhibits increased tumorigenicity. Nature Neuroscience, 2013, 16, 1737-1744.	7.1	100
50	Skeletal muscle neural progenitor cells exhibit properties of NG2-glia. Experimental Cell Research, 2013, 319, 45-63.	1.2	74
51	Ovarian surface epithelium at the junction area contains a cancer-prone stem cell niche. Nature, 2013, 495, 241-245.	13.7	307
52	Role of Pericytes in Skeletal Muscle Regeneration and Fat Accumulation. Stem Cells and Development, 2013, 22, 2298-2314.	1.1	248
53	Skeletal muscle pericyte subtypes differ in their differentiation potential. Stem Cell Research, 2013, 10, 67-84.	0.3	168
54	Soluble Guanylate Cyclase Generation of cGMP Regulates Migration of MGE Neurons. Journal of Neuroscience, 2013, 33, 16897-16914.	1.7	14

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55	Cardiac resident nestin⁺ cells participate in reparative vascularisation. Journal of Cellular Physiology, 2013, 228, 1844-1853.	2.0	22
56	FGF-2 expands murine hematopoietic stem and progenitor cells via proliferation of stromal cells, c-Kit activation, and CXCL12 down-regulation. Blood, 2012, 120, 1843-1855.	0.6	99
57	Endothelial and perivascular cells maintain haematopoietic stem cells. Nature, 2012, 481, 457-462.	13.7	1,617
58	Cul4B regulates neural progenitor cell growth. BMC Neuroscience, 2012, 13, 112.	0.8	22
59	Neuronal circuitry mechanism regulating adult quiescent neural stem-cell fate decision. Nature, 2012, 489, 150-154.	13.7	463
60	The CSF-1 receptor ligands IL-34 and CSF-1 exhibit distinct developmental brain expression patterns and regulate neural progenitor cell maintenance and maturation. Developmental Biology, 2012, 367, 100-113.	0.9	252
61	Primary Cilia Regulate Proliferation of Amplifying Progenitors in Adult Hippocampus: Implications for Learning and Memory. Journal of Neuroscience, 2011, 31, 9933-9944.	1.7	98
62	Î”Np63Î± Is an Oncogene that Targets Chromatin Remodeler Lsh to Drive Skin Stem Cell Proliferation and Tumorigenesis. Cell Stem Cell, 2011, 8, 164-176.	5.2	175
63	Division-Coupled Astrocytic Differentiation and Age-Related Depletion of Neural Stem Cells in the Adult Hippocampus. Cell Stem Cell, 2011, 8, 566-579.	5.2	768
64	Nestin-GFP Transgene Reveals Neural Precursor Cells in Adult Skeletal Muscle. PLoS ONE, 2011, 6, e16816.	1.1	71
65	Neurogenic hippocampal targets of deep brain stimulation. Journal of Comparative Neurology, 2011, 519, 6-20.	0.9	112
66	A microfluidic traps system supporting prolonged culture of human embryonic stem cells aggregates. Biomedical Microdevices, 2010, 12, 1001-1008.	1.4	55
67	Mesenchymal and haematopoietic stem cells form a unique bone marrow niche. Nature, 2010, 466, 829-834.	13.7	2,935
68	Three-dimensional optical method for integrated visualization of mouse islet microstructure and vascular network with subcellular-level resolution. Journal of Biomedical Optics, 2010, 15, 046018.	1.4	30
69	Heterotopically transplanted CVO neural stem cells generate neurons and migrate with SVZ cells in the adult mouse brain. Neuroscience Letters, 2010, 475, 1-6.	1.0	14
70	Microglia Shape Adult Hippocampal Neurogenesis through Apoptosis-Coupled Phagocytosis. Cell Stem Cell, 2010, 7, 483-495.	5.2	1,286
71	Transient elevation of adult hippocampal neurogenesis after dopamine depletion. Experimental Neurology, 2010, 222, 267-276.	2.0	67
72	Expression of Guanylyl Cyclase (GC)-A and GC-B during Brain Development: Evidence for a Role of GC-B in Perinatal Neurogenesis. Endocrinology, 2009, 150, 5520-5529.	1.4	28

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73	The Role of Lmx1a in the Differentiation of Human Embryonic Stem Cells into Midbrain Dopamine Neurons in Culture and After Transplantation into a Parkinson's Disease Model. Stem Cells, 2009, 27, 220-229.	1.4	74
74	Moderate traumatic brain injury promotes proliferation of quiescent neural progenitors in the adult hippocampus. Experimental Neurology, 2009, 219, 516-523.	2.0	90
75	Circumventricular organs: A novel site of neural stem cells in the adult brain. Molecular and Cellular Neurosciences, 2009, 41, 337-347.	1.0	151
76	Microtome-Free 3-Dimensional Confocal Imaging Method for Visualization of Mouse Intestine With Subcellular-Level Resolution. Gastroenterology, 2009, 137, 453-465.	0.6	79
77	Coordinated Regulation of Hematopoietic and Mesenchymal Stem Cells in a Bone Marrow Niche.. Blood, 2009, 114, 2-2.	0.6	6
78	Metabolomics of Neural Progenitor Cells: A Novel Approach to Biomarker Discovery. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 389-401.	2.0	23
79	Direct Isolation of Neural Stem Cells in the Adult Hippocampus after Traumatic Brain Injury. Journal of Neurotrauma, 2008, 25, 985-995.	1.7	18
80	Quiescent adult neural stem cells are exceptionally sensitive to cosmic radiation. Experimental Neurology, 2008, 210, 274-279.	2.0	34
81	Intermediate Progenitors in Adult Hippocampal Neurogenesis: Tbr2 Expression and Coordinate Regulation of Neuronal Output. Journal of Neuroscience, 2008, 28, 3707-3717.	1.7	277
82	Genetic approaches identify adult pituitary stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6332-6337.	3.3	176
83	Identifying and Quantitating Neural Stem and Progenitor Cells in the Adult Brain. Methods in Cell Biology, 2008, 85, 243-272.	0.5	144
84	Response to Comments on "Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain". Science, 2008, 321, 640-640.	6.0	11
85	Correction for Gleiberman et al. , Genetic approaches identify adult pituitary stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11032-11032.	3.3	0
86	Neuronal Nitric Oxide Synthase Contributes to the Regulation of Hematopoiesis. Molecular Medicine, 2008, 14, 141-149.	1.9	31
87	Mesenchymal Stem Cells, Regulated by the Sympathetic Nervous System, Form the Hematopoietic Stem Cell Niche. Blood, 2008, 112, 4-4.	0.6	5
88	Nitric Oxide Coordinates Cell Proliferation and Cell Movements During Early Development of Xenopus. Cell Cycle, 2007, 6, 3132-3144.	1.3	26
89	Neural Potential of a Stem Cell Population in the Hair Follicle. Cell Cycle, 2007, 6, 2161-2170.	1.3	79
90	Normal distribution and medullary-to-cortical shift of Nestin-expressing cells in acute renal ischemia. Kidney International, 2007, 71, 744-754.	2.6	43

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91	noxin , a Novel Stress-Induced Gene Involved in Cell Cycle and Apoptosis. Molecular and Cellular Biology, 2007, 27, 5430-5444.	1.1	14
92	Regulation of the Intermediate Filament Protein Nestin at Rodent Neuromuscular Junctions by Innervation and Activity. Journal of Neuroscience, 2007, 27, 5948-5957.	1.7	52
93	Nestin-GFP reporter expression defines the quiescent state of skeletal muscle satellite cells. Developmental Biology, 2007, 304, 246-259.	0.9	180
94	Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain. Science, 2007, 318, 980-985.	6.0	422
95	Nitric oxide synthase expression in the central nervous system of Sepia officinalis: an in situ hybridization study. European Journal of Neuroscience, 2007, 26, 1599-1610.	1.2	15
96	Fluoxetine targets early progenitor cells in the adult brain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8233-8238.	3.3	552
97	Expression of nestin-green fluorescent protein transgene marks oval cells in the adult liver. Developmental Dynamics, 2005, 234, 413-421.	0.8	65
98	Nitric oxide and multiple sclerosis. Current Neurology and Neuroscience Reports, 2005, 5, 232-238.	2.0	44
99	Phenotypic and functional characterization of adult brain neuropoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9353-9358.	3.3	132
100	Nitric oxide synthase in the nervous system and ink gland of the cuttlefish Sepia officinalis: Molecular cloning and expression. Biochemical and Biophysical Research Communications, 2005, 338, 1204-1215.	1.0	35
101	Regulation of multimers via truncated isoforms: a novel mechanism to control nitric-oxide signaling. Genes and Development, 2004, 18, 1812-1823.	2.7	31
102	Nitric Oxide Is a Regulator of Hematopoietic Stem Cell Activity. Molecular Therapy, 2004, 10, 241-248.	3.7	64
103	Clonal identification of multipotent precursors from adult mouse pancreas that generate neural and pancreatic lineages. Nature Biotechnology, 2004, 22, 1115-1124.	9.4	527
104	Essential function of nitric oxide synthase in Drosophila. Current Biology, 2004, 14, R881-R882.	1.8	45
105	Neural stem and progenitor cells in nestin-GFP transgenic mice. Journal of Comparative Neurology, 2004, 469, 311-324.	0.9	640
106	Progenitor cells of the testosterone-producing Leydig cells revealed. Journal of Cell Biology, 2004, 167, 935-944.	2.3	228
107	Nestin expression in hair follicle sheath progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9958-9961.	3.3	333
108	Nitric oxide negatively regulates mammalian adult neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9566-9571.	3.3	295

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109	Nitric Oxide Activates Diverse Signaling Pathways to Regulate Gene Expression. Journal of Biological Chemistry, 2003, 278, 42321-42329.	1.6	127
110	Nitric Oxide Is an Essential Negative Regulator of Cell Proliferation inXenopusBrain. Journal of Neuroscience, 2001, 21, 8809-8818.	1.7	111
111	The Drosophila Nitric-oxide Synthase Gene (dNOS) Encodes a Family of Proteins That Can Modulate NOS Activity by Acting as Dominant Negative Regulators. Journal of Biological Chemistry, 2001, 276, 42241-42251.	1.6	79
112	Specific pattern of p53 phosphorylation during nitric oxide-induced cell cycle arrest. Oncogene, 2000, 19, 6369-6375.	2.6	63
113	Nitric oxide interacts with the retinoblastoma pathway to control eye development in Drosophila. Current Biology, 2000, 10, 459-462.	1.8	45
114	Mutual regulation between the intercellular messengers nitric oxide and brain-derived neurotrophic factor in rodent neocortical neurons. European Journal of Neuroscience, 1999, 11, 1567-1576.	1.2	63
115	Nitric oxide and Drosophila development. Cell Death and Differentiation, 1999, 6, 956-963.	5.0	87
116	Arachidonic acid potentiates currents through Ca2+-permeable AMPA receptors by interacting with a CaMKII pathway. Molecular Brain Research, 1999, 67, 184-189.	2.5	13
117	Arachidonic acid induces a long-lasting facilitation of hippocampal synaptic transmission by modulating PKC activity and nicotinic ACh receptors. Molecular Brain Research, 1999, 69, 263-272.	2.5	61
118	Regulation of Organelle Movement in Melanophores by Protein Kinase A (PKA), Protein Kinase C (PKC), and Protein Phosphatase 2A (PP2A). Journal of Cell Biology, 1998, 142, 803-813.	2.3	89
119	Nitric Oxide Regulates Cell Proliferation during Drosophila Development. Cell, 1996, 87, 639-649.	13.5	247
120	A Critical Role of Nitric Oxide in Human Immunodeficiency Virus Type 1-Induced Hyperresponsiveness of Cultured Monocytes. Molecular Medicine, 1996, 2, 460-468.	1.9	17
121	Nitric oxide triggers a switch to growth arrest during differentiation of neuronal cells. Nature, 1995, 375, 68-73.	13.7	484
122	Amplification of calcium-induced gene transcription by nitric oxide in neuronal cells. Nature, 1993, 364, 450-453.	13.7	295
123	Regulation of tissue-specific expression of the esterase S gene inDrosophila virilis. Nucleic Acids Research, 1993, 21, 3545-3551.	6.5	14
124	Transposition of mobile genetic elements in interspecific hybrids of Drosophila. Chromosoma, 1982, 85, 375-386.	1.0	58
125	Isolation of eukaryotic DNA fragments containing structural genes and the adjacent sequences. Science, 1977, 195, 394-397.	6.0	42
126	Complementary regions of the nuclear precursor of messenger RNA. FEBS Letters, 1974, 47, 98-102.	1.3	10

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127	Differential activation of c-Fos and Egr1 during development of the mouse visual cortex. F1000Research, 0, 10, 82.	0.8	0
128	Nitric oxide mediates differentiation and survival of neuronal cells. , 0, , 171-178.		0