

Bernard Rogister

List of Publications by Year in descending order

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89
papers

4,459
citations

101543

36
h-index

106344

65
g-index

94
all docs

94
docs citations

94
times ranked

6659
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticity of Cultured Mesenchymal Stem Cells: Switch from Nestin-Positive to Excitable Neuron-Like Phenotype. <i>Stem Cells</i> , 2005, 23, 392-402.	3.2	395
2	Neurotransmitters as early signals for central nervous system development. <i>Cell and Tissue Research</i> , 2001, 305, 187-202.	2.9	335
3	The functional diversity of Aurora kinases: a comprehensive review. <i>Cell Division</i> , 2018, 13, 7.	2.4	245
4	Transcription Impairment and Cell Migration Defects in Elongator-Depleted Cells: Implication for Familial Dysautonomia. <i>Molecular Cell</i> , 2006, 22, 521-531.	9.7	191
5	Growth and Fate of PSA-NCAM+ Precursors of the Postnatal Brain. <i>Journal of Neuroscience</i> , 1998, 18, 5777-5788.	3.6	190
6	Eccentric Muscle Contractions: Risks and Benefits. <i>Frontiers in Physiology</i> , 2019, 10, 536.	2.8	187
7	From Neural Stem Cells to Myelinating Oligodendrocytes. <i>Molecular and Cellular Neurosciences</i> , 1999, 14, 287-300.	2.2	158
8	In vitro and In vivo Activity of the Nuclear Factor- κ B Inhibitor Sulfasalazine in Human Glioblastomas. <i>Clinical Cancer Research</i> , 2004, 10, 5595-5603.	7.0	156
9	Proliferative generation of mammalian auditory hair cells in culture. <i>Mechanisms of Development</i> , 2002, 112, 79-88.	1.7	144
10	Neuregulin Signaling Regulates Neural Precursor Growth and the Generation of Oligodendrocytes <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2001, 21, 4740-4751.	3.6	118
11	Neutrophil contribution to spinal cord injury and repair. <i>Journal of Neuroinflammation</i> , 2014, 11, 150.	7.2	117
12	Radial glia phenotype: Origin, regulation, and transdifferentiation. <i>Journal of Neuroscience Research</i> , 2000, 61, 357-363.	2.9	115
13	Puzzling Out Synaptic Vesicle 2 Family Members Functions. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 148.	2.9	85
14	Astrocytic and neuronal fate of mesenchymal stem cells expressing nestin. <i>Brain Research Bulletin</i> , 2005, 68, 95-102.	3.0	82
15	CXCL12 mediates glioblastoma resistance to radiotherapy in the subventricular zone. <i>Neuro-Oncology</i> , 2017, 19, 66-77.	1.2	82
16	Nestin-positive mesenchymal stem cells favour the astroglial lineage in neural progenitors and stem cells by releasing active BMP4. <i>BMC Neuroscience</i> , 2004, 5, 33.	1.9	81
17	Stem cell factor and mesenchymal and neural stem cell transplantation in a rat model of Huntington's disease. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 454-470.	2.2	76
18	Glioblastoma-Initiating Cells: Relationship with Neural Stem Cells and the Micro-Environment. <i>Cancers</i> , 2013, 5, 1049-1071.	3.7	71

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19	Concise Review: Adult Mesenchymal Stem Cells, Adult Neural Crest Stem Cells, and Therapy of Neurological Pathologies: A State of Play. <i>Stem Cells Translational Medicine</i> , 2013, 2, 284-296.	3.3	69
20	Grafts of syngenic cultured, adult dorsal root ganglion-derived Schwann cells to the injured spinal cord of adult rats: preliminary morphological studies. <i>Neuroscience Letters</i> , 1991, 124, 44-48.	2.1	66
21	Adult mouse subventricular zones stimulate glioblastoma stem cells specific invasion through CXCL12/CXCR4 signaling. <i>Neuro-Oncology</i> , 2015, 17, 81-94.	1.2	65
22	The Distinct Roles of CXCR3 Variants and Their Ligands in the Tumor Microenvironment. <i>Cells</i> , 2019, 8, 613.	4.1	60
23	Concise Review: Spinal Cord Injuries: How Could Adult Mesenchymal and Neural Crest Stem Cells Take Up the Challenge?. <i>Stem Cells</i> , 2014, 32, 829-843.	3.2	59
24	Human Muscle Proteome Modifications after Acute or Repeated Eccentric Exercises. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 2281-2296.	0.4	52
25	Human glioblastoma-initiating cells invade specifically the subventricular zones and olfactory bulbs of mice after striatal injection. <i>International Journal of Cancer</i> , 2011, 129, 574-585.	5.1	49
26	Adult bone marrow mesenchymal and neural crest stem cells are chemoattractive and accelerate motor recovery in a mouse model of spinal cord injury. <i>Stem Cell Research and Therapy</i> , 2015, 6, 211.	5.5	49
27	Targeting osteopontin suppresses glioblastoma stem-like cell character and tumorigenicity <i>in vivo</i> . <i>International Journal of Cancer</i> , 2015, 137, 1047-1057.	5.1	49
28	Medication-Related Osteonecrosis of the Jaw: New Insights into Molecular Mechanisms and Cellular Therapeutic Approaches. <i>Stem Cells International</i> , 2016, 2016, 1-16.	2.5	46
29	Functional glycine receptors are expressed by postnatal nestin-positive neural stem/progenitor cells. <i>European Journal of Neuroscience</i> , 2002, 15, 1299-1305.	2.6	44
30	Expression of SV2 isoforms during rodent brain development. <i>BMC Neuroscience</i> , 2013, 14, 87.	1.9	43
31	Glycine triggers an intracellular calcium influx in oligodendrocyte progenitor cells which is mediated by the activation of both the ionotropic glycine receptor and Na ⁺ -dependent transporters. <i>European Journal of Neuroscience</i> , 2000, 12, 1924-1930.	2.6	42
32	Peripheral benzodiazepine receptor (PBR) ligand cytotoxicity unrelated to PBR expression. <i>Biochemical Pharmacology</i> , 2005, 69, 819-830.	4.4	41
33	Expression of growth factors and their receptors in the postnatal rat cochlea. <i>Neurochemical Research</i> , 1998, 23, 1133-1138.	3.3	39
34	Potassium-induced release of neuronotoxic activity by astrocytes. <i>Brain Research</i> , 1987, 413, 120-128.	2.2	37
35	A 295-kDA intermediate filament-associated protein in radial glia and developing muscle cells <i>in vivo</i> and <i>in vitro</i> . <i>Developmental Dynamics</i> , 2000, 219, 514-525.	1.8	36
36	Connexin 30 expression inhibits growth of human malignant gliomas but protects them against radiation therapy. <i>Neuro-Oncology</i> , 2015, 17, 392-406.	1.2	35

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37	Dexamethasone inhibits the HSV-tk/ ganciclovir bystander effect in malignant glioma cells. <i>BMC Cancer</i> , 2005, 5, 32.	2.6	32
38	Fusicoccin A, a Phytotoxic Carbocyclic Diterpene Glucoside of Fungal Origin, Reduces Proliferation and Invasion of Glioblastoma Cells by Targeting Multiple Tyrosine Kinases. <i>Translational Oncology</i> , 2013, 6, 112-123.	3.7	31
39	Altered balance between excitatory and inhibitory inputs onto CA1 pyramidal neurons from SV2A-deficient but not SV2B-deficient mice. <i>Journal of Neuroscience Research</i> , 2012, 90, 2317-2327.	2.9	30
40	Adult Bone Marrow: Which Stem Cells for Cellular Therapy Protocols in Neurodegenerative Disorders?. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-10.	3.0	29
41	Human bone marrow harbors cells with neural crest-associated characteristics like human adipose and dermis tissues. <i>PLoS ONE</i> , 2017, 12, e0177962.	2.5	29
42	Cultured oligodendrocyte progenitors derived from cerebral cortex express a glycine receptor which is pharmacologically distinct from the neuronal isoform. <i>European Journal of Neuroscience</i> , 1998, 10, 3556-3564.	2.6	28
43	Developmental regulation of neurotrophin-induced responses in cultured oligodendroglia. <i>NeuroReport</i> , 1998, 9, 973-980.	1.2	28
44	N-Aryl-N ² -(chroman-4-yl)ureas and thioureas display in vitro anticancer activity and selectivity on apoptosis-resistant glioblastoma cells: Screening, synthesis of simplified derivatives, and structure-activity relationship analysis. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 834-844.	5.5	28
45	Adult Bone Marrow Neural Crest Stem Cells and Mesenchymal Stem Cells Are Not Able to Replace Lost Neurons in Acute MPTP-Lesioned Mice. <i>PLoS ONE</i> , 2013, 8, e64723.	2.5	27
46	Identification of PSF, the polypyrimidine tract-binding protein-associated splicing factor, as a developmentally regulated neuronal protein. <i>Journal of Neuroscience Research</i> , 1999, 57, 62-73.	2.9	26
47	From Neural Crest Development to Cancer and Vice Versa: How p75NTR and (Pro)neurotrophins Could Act on Cell Migration and Invasion?. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 244.	2.9	26
48	In Vivo Tumorigenesis Was Observed after Injection of In Vitro Expanded Neural Crest Stem Cells Isolated from Adult Bone Marrow. <i>PLoS ONE</i> , 2012, 7, e46425.	2.5	25
49	Discovery and Characterization of <i>N</i> -[3-Cyanophenyl- <i>N</i> -(6- <i>tert</i> -butoxycarbonylamino-3,4-dihydro-2,2-dimethyl-2 <i>H</i> -1-benzimidazol-2-ylidene)- <i>N</i> -methyl- <i>N</i> -propylamino]- <i>N</i> -propyl- <i>N</i> -propylamine, a New Histone Deacetylase Class III Inhibitor Exerting Antiproliferative Activity against Cancer Cell Lines. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4714-4733.	6.4	22
50	Aurora A plays a dual role in migration and survival of human glioblastoma cells according to the CXCL12 concentration. <i>Oncogene</i> , 2019, 38, 73-87.	5.9	22
51	Î ² -Carbolines induce apoptosis in cultured cerebellar granule neurons via the mitochondrial pathway. <i>Neuropharmacology</i> , 2005, 48, 105-117.	4.1	21
52	The expression of B7-H3 isoforms in newly diagnosed glioblastoma and recurrence and their functional role. <i>Acta Neuropathologica Communications</i> , 2021, 9, 59.	5.2	21
53	Effects of Eccentrically and Concentrically Biased Training on Mouse Muscle Phenotype. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1460-1468.	0.4	18
54	The Subventricular Zone, a Hideout for Adult and Pediatric High-Grade Glioma Stem Cells. <i>Frontiers in Oncology</i> , 2020, 10, 614930.	2.8	18

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55	Regulation of nestin expression by thrombin and cell density in cultures of bone mesenchymal stem cells and radial glial cells. <i>BMC Neuroscience</i> , 2007, 8, 104.	1.9	17
56	A Composite Sketch of Fast-Spiking Parvalbumin-Positive Neurons. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa026.	1.6	15
57	4-Bromo-2-(piperidin-1-yl)thiazol-5-yl-phenyl methanone (12b) inhibits Na ⁺ /K ⁺ -ATPase and Ras oncogene activity in cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 213-223.	5.5	14
58	The splicing FK506-binding protein-51 isoform plays a role in glioblastoma resistance through programmed cell death ligand-1 expression regulation. <i>Cell Death Discovery</i> , 2019, 5, 137.	4.7	14
59	Developmental Regulation of Î²-Carboline-Induced Inhibition of Glycine-Evoked Responses Depends on Glycine Receptor Î² Subunit Expression. <i>Molecular Pharmacology</i> , 2005, 67, 1783-1796.	2.3	13
60	Phosphatases and solid tumors: focus on glioblastoma initiation, progression and recurrences. <i>Biochemical Journal</i> , 2017, 474, 2903-2924.	3.7	13
61	Exploring with [18F]UCB-H the in vivo Variations in SV2A Expression through the Kainic Acid Rat Model of Temporal Lobe Epilepsy. <i>Molecular Imaging and Biology</i> , 2020, 22, 1197-1207.	2.6	13
62	New role of osteopontin in DNA repair and impact on human glioblastoma radiosensitivity. <i>Oncotarget</i> , 2016, 7, 63708-63721.	1.8	12
63	The Unexpected Roles of Aurora A Kinase in Glioblastoma Recurrences. <i>Targeted Oncology</i> , 2017, 12, 11-18.	3.6	12
64	Development and Validation of a New Mouse Model to Investigate the Role of SV2A in Epilepsy. <i>PLoS ONE</i> , 2016, 11, e0166525.	2.5	12
65	Are neural crest stem cells the missing link between hematopoietic and neurogenic niches?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 218.	3.7	11
66	Relevance of Translation Initiation in Diffuse Glioma Biology and its Therapeutic Potential. <i>Cells</i> , 2019, 8, 1542.	4.1	11
67	Glioma Stem Cells in Pediatric High-Grade Gliomas: From Current Knowledge to Future Perspectives. <i>Cancers</i> , 2022, 14, 2296.	3.7	11
68	Lipid phosphatases <scp>SKIP</scp> and <scp>SHIP</scp>2 regulate fibronectinâ€dependent cell migration in glioblastoma. <i>FEBS Journal</i> , 2019, 286, 1120-1135.	4.7	9
69	Patient-Oriented Perspective on Chemokine Receptor Expression and Function in Glioma. <i>Cancers</i> , 2022, 14, 130.	3.7	6
70	Neural Fate of Mesenchymal Stem Cells and Neural Crest Stem Cells: Which Ways to Get Neurons for Cell Therapy Purpose?. , 0, , ,		5
71	Anxiety-like features and spatial memory problems as a consequence of hippocampal SV2A expression. <i>PLoS ONE</i> , 2019, 14, e0217882.	2.5	5
72	Nanobody-based retargeting of an oncolytic herpesvirus for eliminating CXCR4+ GBM cells: A proof of principle. <i>Molecular Therapy - Oncolytics</i> , 2022, 26, 35-48.	4.4	5

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73	MKP1 phosphatase is recruited by CXCL12 in glioblastoma cells and plays a role in DNA strand breaks repair. <i>Carcinogenesis</i> , 2020, 41, 417-429.	2.8	4
74	Bone Marrow Stromal Stem Cells Transplantation in Mice with Acute Spinal Cord Injury. <i>Methods in Molecular Biology</i> , 2014, 1213, 257-264.	0.9	4
75	Sufasalazine unveils a contact-independent HSV-TK/ganciclovir gene therapy bystander effect in malignant gliomas. <i>International Journal of Oncology</i> , 0, , .	3.3	3
76	Glioblastoma stem cells: new insights in therapeutic strategies. <i>Future Neurology</i> , 2014, 9, 639-653.	0.5	3
77	Neural Crest Stem Cells from Adult Bone Marrow: A New Source for Cell Replacement Therapy?. , 0, , .		1
78	Neuronal Control of Astrocyte Proliferation. , 1993, , 193-206.		1
79	Highlights on the molecular signalizations which regulate the specific migration of glioblastoma-initiating cells to the subventricular zones. <i>Frontiers in Human Neuroscience</i> , 0, 6, .	2.0	1
80	Differential membrane marker expression in adult rodent bone marrow mesenchymal and neural crest stem cells. <i>Cytotherapy</i> , 2015, 17, S34.	0.7	0
81	Exploring the secretome of bone marrow mesenchymal and neural crest-derived stem cells for treating spinal cord injuries. <i>Cytotherapy</i> , 2015, 17, S56-S57.	0.7	0
82	Neural crest stem cells are also present is adult human bone marrow and adipose tissue. <i>Cytotherapy</i> , 2015, 17, S37.	0.7	0
83	STEM-21. DECIPHERING THE RESPONSE OF SUBVENTRICULAR ZONE-NESTED GLIOBLASTOMA CELLS AFTER SURGERY. <i>Neuro-Oncology</i> , 2018, 20, vi248-vi248.	1.2	0
84	Communicating hydrocephalus associated to ventral leptomeningeal invasion leads to precocious death in a glioblastoma orthotopic xenograft model. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa099.	0.7	0
85	Editorâ€™s Note: Adult bone marrow mesenchymal and neural crest stem cells are chemoattractive and accelerate motor recovery in a mouse model of spinal cord injury. <i>Stem Cell Research and Therapy</i> , 2021, 12, 135.	5.5	0
86	Study of the SV2A protein role in Epilepsy. <i>Frontiers in Aging Neuroscience</i> , 0, 8, .	3.4	0
87	Glioblastoma stem cells and the importance of endolysosomes to keep them in the niches. <i>Translational Cancer Research</i> , 2017, 6, S87-S89.	1.0	0
88	The CXCL12/CXCR4 pathway or the autocrine proliferative loop of the glioblastoma stem cells. <i>Translational Cancer Research</i> , 2017, 6, S388-S390.	1.0	0
89	STEM-25. ADENO-ASSOCIATED VIRUS INTRAVENTRICULAR INJECTION ALLOWS THE RESTRICTED TRANSDUCTION OF GLIOBLASTOMA CELLS NESTED IN THE PERI- AND SUB-VENTRICULAR ZONE IN A PATIENT-DERIVED ORTHOTOPIC XENOGRAFT MODEL. <i>Neuro-Oncology</i> , 2021, 23, vi26-vi26.	1.2	0