

Jaroslav Maciaczyk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8887815/publications.pdf>

Version: 2024-02-01

48
papers

2,272
citations

331670

21
h-index

361022

35
g-index

48
all docs

48
docs citations

48
times ranked

4098
citing authors

#	ARTICLE	IF	CITATIONS
1	NOTCH Pathway Blockade Depletes CD133-Positive Glioblastoma Cells and Inhibits Growth of Tumor Neurospheres and Xenografts. <i>Stem Cells</i> , 2010, 28, 5-16.	3.2	553
2	Defining the actual sensitivity and specificity of the neurosphere assay in stem cell biology. <i>Nature Methods</i> , 2006, 3, 801-806.	19.0	354
3	Activation of canonical WNT/ β -catenin signaling enhances in vitro motility of glioblastoma cells by activation of ZEB1 and other activators of epithelial-to-mesenchymal transition. <i>Cancer Letters</i> , 2012, 325, 42-53.	7.2	191
4	BRAF Activation Induces Transformation and Then Senescence in Human Neural Stem Cells: A Pilocytic Astrocytoma Model. <i>Clinical Cancer Research</i> , 2011, 17, 3590-3599.	7.0	167
5	Bevacizumab Plus Irinotecan Versus Temozolomide in Newly Diagnosed O ⁶ -Methylguanine- α -DNA Methyltransferase Nonmethylated Glioblastoma: The Randomized CLARUS Trial. <i>Journal of Clinical Oncology</i> , 2016, 34, 1611-1619.	1.6	151
6	<i>DNER</i> , an Epigenetically Modulated Gene, Regulates Glioblastoma-Derived Neurosphere Cell Differentiation and Tumor Propagation. <i>Stem Cells</i> , 2009, 27, 1473-1486.	3.2	84
7	LIN28A facilitates the transformation of human neural stem cells and promotes glioblastoma tumorigenesis through a pro-invasive genetic program. <i>Oncotarget</i> , 2013, 4, 1050-1064.	1.8	63
8	ZEB1 Promotes Invasion in Human Fetal Neural Stem Cells and Hypoxic Glioma Neurospheres. <i>Brain Pathology</i> , 2015, 25, 724-732.	4.1	59
9	A comparative pharmaco-metabolomic study of glutaminase inhibitors in glioma stem-like cells confirms biological effectiveness but reveals differences in target-specificity. <i>Cell Death Discovery</i> , 2020, 6, 20.	4.7	58
10	Pharmacologic Wnt Inhibition Reduces Proliferation, Survival, and Clonogenicity of Glioblastoma Cells. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 889-900.	1.7	54
11	DiSCoVeRiNg Innovative Therapies for Rare Tumors: Combining Genetically Accurate Disease Models with <i>In Silico</i> Analysis to Identify Novel Therapeutic Targets. <i>Clinical Cancer Research</i> , 2016, 22, 3903-3914.	7.0	54
12	Inhibition of Wnt/beta-catenin signaling downregulates expression of aldehyde dehydrogenase isoform 3A1 (ALDH3A1) to reduce resistance against temozolomide in glioblastoma <i>in vitro</i> . <i>Oncotarget</i> , 2018, 9, 22703-22716.	1.8	50
13	Survival and Functional Restoration of Human Fetal Ventral Mesencephalon following Transplantation in a Rat Model of Parkinson's Disease. <i>Cell Transplantation</i> , 2013, 22, 1281-1293.	2.5	40
14	Limited Ca ²⁺ and PKA-pathway dependent neurogenic differentiation of human adult mesenchymal stem cells as compared to fetal neuronal stem cells. <i>Experimental Cell Research</i> , 2010, 316, 216-231.	2.6	37
15	Combined use of BDNF, ascorbic acid, low oxygen, and prolonged differentiation time generates tyrosine hydroxylase-expressing neurons after long-term in vitro expansion of human fetal midbrain precursor cells. <i>Experimental Neurology</i> , 2008, 213, 354-362.	4.1	33
16	Clipping the Wings of Glioblastoma: Modulation of WNT as a Novel Therapeutic Strategy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 388-396.	1.7	33
17	Alterations in cellular metabolome after pharmacological inhibition of <i>Notch</i> in glioblastoma cells. <i>International Journal of Cancer</i> , 2016, 138, 1246-1255.	5.1	32
18	Primary Cerebral Intraventricular Hydatid Cyst: A Case Report and Review of the Literature. <i>Journal of Child Neurology</i> , 2008, 23, 585-588.	1.4	31

#	ARTICLE	IF	CITATIONS
19	Original article CD133/CD15 defines distinct cell subpopulations with differential in vitro clonogenic activity and stem cell-related gene expression profile in in vitro propagated glioblastoma multiforme-derived cell line with a PNET-like component. <i>Folia Neuropathologica</i> , 2012, 4, 357-368.	1.2	30
20	Restricted Spontaneous In Vitro Differentiation and Region-Specific Migration of Long-Term Expanded Fetal Human Neural Precursor Cells After Transplantation Into the Adult Rat Brain. <i>Stem Cells and Development</i> , 2009, 18, 1043-1058.	2.1	26
21	Reciprocal regulation of the cholinic phenotype and epithelial-mesenchymal transition in glioblastoma cells. <i>Oncotarget</i> , 2016, 7, 73414-73431.	1.8	26
22	Resistance to Hypoxia-Induced, BNIP3-Mediated Cell Death Contributes to an Increase in a CD133-Positive Cell Population in Human Glioblastomas In Vitro. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 1086-1099.	1.7	21
23	Multiple intracranial melanoma metastases: case report and review of the literature. <i>Journal of Neuro-Oncology</i> , 2009, 93, 413-420.	2.9	16
24	Enzymatic Activity of CD73 Modulates Invasion of Gliomas via Epithelial-Mesenchymal Transition-Like Reprogramming. <i>Pharmaceuticals</i> , 2020, 13, 378.	3.8	16
25	A computational guided, functional validation of a novel therapeutic antibody proposes Notch signaling as a clinical relevant and druggable target in glioma. <i>Scientific Reports</i> , 2020, 10, 16218.	3.3	15
26	The future of neuromodulation: smart neuromodulation. <i>Expert Review of Medical Devices</i> , 2021, 18, 307-317.	2.8	13
27	Clinical neurotransplantation protocol for Huntington's and Parkinson's disease. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 579-595.	0.7	10
28	Characterization of a Setup to test the Impact of High-Amplitude Pressure Waves on Living Cells. <i>Scientific Reports</i> , 2014, 4, 3849.	3.3	10
29	Molecular monitoring of glioblastoma's immunogenicity using a combination of Raman spectroscopy and chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119534.	3.9	10
30	Microcoil-based MR phase imaging and manganese enhanced microscopy of glial tumor neurospheres with direct optical correlation. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 86-97.	3.0	7
31	Can neuromodulation support the fight against the COVID19 pandemic? Transcutaneous non-invasive vagal nerve stimulation as a potential targeted treatment of fulminant acute respiratory distress syndrome. <i>Medical Hypotheses</i> , 2020, 143, 110093.	1.5	7
32	The effect of neurosphere culture conditions on the cellular metabolism of glioma cells. <i>Folia Neuropathologica</i> , 2015, 3, 219-225.	1.2	6
33	Coherent Structural and Functional Network Changes after Thalamic Lesions in Essential Tremor. <i>Movement Disorders</i> , 2022, 37, 1924-1929.	3.9	6
34	X-Linked Tumor Suppressor Genes Act as Presumed Contributors in the Sex Chromosome-Autosome Crosstalk in Cancers. <i>Cancer Investigation</i> , 2022, 40, 103-110.	1.3	4
35	Abstract 2515: Pharmacological WNT-inhibition acts synergistically with chemo- and radiotherapy by overcoming treatment-resistance in glioma stem cells. <i>Cancer Research</i> , 2016, 76, 2515-2515.	0.9	3
36	Stereotactic Surgery in Rats. <i>Neuromethods</i> , 2016, , 31-54.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Abstract 3454: LIN28 is expressed in glioblastomas and promotes KRAS-mediated transformation of human neural stem cells. , 2011, , .		1
38	Should Deep Brain Stimulation Programs Be Halted During the COVID â€”19 Pandemic? Balancing the Risk of COVID â€”19 Infection Against the Survival Benefits of DBS. Neuromodulation, 2020, 23, 1222-1223.	0.8	0
39	BCOR Internal Tandem Duplication Expression in Neural Stem Cells Promotes Growth, Invasion, and Expression of PRC2 Targets. International Journal of Molecular Sciences, 2021, 22, 3913.	4.1	0
40	Abstract 3303: BRAF activation induces cellular transformation and senescence and down-regulates SOX2 in human neural stem cells: a model of pilocytic astrocytoma. , 2011, , .		0
41	Abstract 2903: The role of canonical WNT/Î²-catenin signaling in glial tumors. , 2011, , .		0
42	Abstract 5044: MYC drives formation of primitive neuro-ectodermal tumors in human neural stem cells derived from multiple brain regions.. , 2013, , .		0
43	Abstract 1038: ZEB1 plays a pivotal role in hypoxia-mediated increase of in vitro invasion of glioblastoma-derived cell cultures and represents a novel neural stem cell marker in early development. , 2014, , .		0
44	Embryonic stem cells in neurology â€” current clinical transplantation trials in Parkinsonâ€™s (PD) and Huntingtonâ€™s (HD) disease. Arquivos De Neuro-Psiquiatria, 2014, 72, 978-979.	0.8	0
45	Abstract 2476: DiSCoVeRiNg innovative therapies for rare tumors: Combining genetically accurate disease models with advanced in silico analysis to identify novel therapeutic targets. , 2016, , .		0
46	Abstract 2496: Targeting brain tumor stem cells by interfering with choline metabolism: Evidence for an EMT-choline oncometabolic network. , 2017, , .		0
47	Endoscopic Lateral Approach for Dorsal Root Ganglion Burst Stimulation: Technical Note and Illustrative Case Series. Neuromodulation, 2022, , .	0.8	0
48	Between Scylla and Charybdis: Navigating Chronic Pain Patients Through the COVID-19 and the Opioid Pandemic. Pain Physician, 2020, 23, S469-S472.	0.4	0