

Barbara Bessette

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

583
citations

687220

13
h-index

642610

23
g-index

40
all docs

40
docs citations

40
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	TrkB-containing exosomes promote the transfer of glioblastoma aggressiveness to YKL-40-inactivated glioblastoma cells. <i>Oncotarget</i> , 2016, 7, 50349-50364.	0.8	67
2	Clinical Relevance of Tumor Cells with Stem-Like Properties in Pediatric Brain Tumors. <i>PLoS ONE</i> , 2011, 6, e16375.	1.1	57
3	Microfluidic biosensors for microwave dielectric spectroscopy. <i>Sensors and Actuators A: Physical</i> , 2015, 229, 172-181.	2.0	49
4	BDNF and pro-BDNF in serum and exosomes in major depression: Evolution after antidepressant treatment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 109, 110229.	2.5	45
5	Cancer stem cells from human glioma cell line are resistant to Fas-induced apoptosis. <i>International Journal of Oncology</i> , 2009, 34, 717-27.	1.4	30
6	<i>KLRC3</i> , a Natural Killer receptor gene, is a key factor involved in glioblastoma tumourigenesis and aggressiveness. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 244-253.	1.6	30
7	Targeted Sub-Attomole Cancer Biomarker Detection Based on Phase Singularity 2D Nanomaterial-Enhanced Plasmonic Biosensor. <i>Nano-Micro Letters</i> , 2021, 13, 96.	14.4	30
8	Autophagy and TrkC/NT-3 signaling joined forces boost the hypoxic glioblastoma cell survival. <i>Carcinogenesis</i> , 2017, 38, 592-603.	1.3	28
9	EGFR Soluble Isoforms and Their Transcripts Are Expressed in Meningiomas. <i>PLoS ONE</i> , 2012, 7, e37204.	1.1	28
10	Neural stem cell separation from the embryonic avian olfactory epithelium by sedimentation field-flow fractionation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 843, 175-182.	1.2	23
11	UHF-Dielectrophoresis Crossover Frequency as a New Marker for Discrimination of Glioblastoma Undifferentiated Cells. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2019, 3, 191-198.	2.3	23
12	IL22/IL-22R Pathway Induces Cell Survival in Human Glioblastoma Cells. <i>PLoS ONE</i> , 2015, 10, e0119872.	1.1	21
13	CHI3L1, NTRK2, 1p/19q and IDH Status Predicts Prognosis in Glioma. <i>Cancers</i> , 2019, 11, 544.	1.7	18
14	Microfluidic Lab-on-a-Chip Based on UHF-Dielectrophoresis for Stemness Phenotype Characterization and Discrimination among Glioblastoma Cells. <i>Biosensors</i> , 2021, 11, 388.	2.3	12
15	Autophagy inhibition reinforces stemness together with exit from dormancy of polydisperse glioblastoma stem cells. <i>Aging</i> , 2021, 13, 18106-18130.	1.4	11
16	Cancer Stem-Like Cells in Glioblastoma. , 0, , 59-71.		10
17	In vitro apoptotic induction of human glioblastoma cells by Fas ligand plus etoposide and in vivo antitumour activity of combined drugs in xenografted nude rats. <i>International Journal of Oncology</i> , 2007, 30, 273.	1.4	9
18	A New Label-Free Approach to Glioblastoma Cancer Stem Cell Sorting and Detection. <i>Analytical Chemistry</i> , 2019, 91, 8948-8957.	3.2	9

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19	Modulation of Fas-induced apoptosis by p75 neurotrophin receptor in a human neuroblastoma cell line. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 1271-1283.	2.2	8
20	UHF dielectrophoretic handling of individual biological cells using BiCMOS microfluidic RF-sensors. , 2016, , .		8
21	In vitro apoptotic induction of human glioblastoma cells by Fas ligand plus etoposide and in vivo antitumour activity of combined drugs in xenografted nude rats. <i>International Journal of Oncology</i> , 2007, 30, 273-81.	1.4	8
22	Extracellular Vesicle Measurements with Nanoparticle Tracking Analysis: A Different Appreciation of Up and Down Secretion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2310.	1.8	8
23	Biological cell discrimination based on their high frequency dielectrophoretic signatures at UHF frequencies. , 2017, , .		7
24	Autophagy and Extracellular Vesicles, Connected to rabGTPase Family, Support Aggressiveness in Cancer Stem Cells. <i>Cells</i> , 2021, 10, 1330.	1.8	7
25	Oncogramme, a new individualized tumor response testing method: application to colon cancer. <i>Cytotechnology</i> , 2010, 62, 381-388.	0.7	6
26	p75 neurotrophin receptor is sequestered in the Golgi apparatus of the U-87 MG human glioblastoma cell line. <i>International Journal of Oncology</i> , 2011, 38, 391-9.	1.4	6
27	BiCMOS microfluidic sensor for single cell label-free monitoring through microwave intermodulation. , 2016, , .		4
28	Discrimination of Glioblastoma Cancer Stem Cells by measuring their UHF-Dielectrophoresis Crossover Frequency. , 2018, , .		4
29	Characterization of Glioblastoma Cancer Stem Cells Sorted by Sedimentation Field-Flow Fractionation Using an Ultrahigh-Frequency Range Dielectrophoresis Biosensor. <i>Analytical Chemistry</i> , 2021, 93, 12664-12671.	3.2	4
30	Kinetics of chemically mediated neurodegeneration/neuroregeneration of mouse olfactory epithelium: monitoring by hyperlayer sedimentation field flow fractionation. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1671-1681.	1.9	3
31	Tracking Cancer Cells with Microfluidic High Frequency DEP Cytometer Implemented on BiCMOS Lab-on-Chip Platform. , 2018, , .		3
32	Nuclear factors, hs1,2 enhancer and IgA nephropathy. <i>Kidney International</i> , 2003, 63, 767.	2.6	2
33	A High Frequency Dielectrophoresis Cytometer for Continuous Flow Biological Cells Refinement. , 2021, , .		2
34	Decrease in Fas-induced apoptosis by the Î³-secretase inhibitor is dependent on p75NTR in a glioblastoma cell line. <i>Experimental and Therapeutic Medicine</i> , 2012, 3, 873-877.	0.8	1
35	High-Frequency Dielectrophoresis Characterization of Differentiated vs Undifferentiated Medulloblastoma Cells. , 2018, , .		1
36	A Serum Analysis before and after Antidepressant Treatment in Major Depression: A Pilot Study. <i>Clinical Medicine Insights Psychiatry</i> , 2015, 6, CMPsy.S20765.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Biological Cell Characterization and Discrimination Based on UHF-Dielectrophoresis for Next Generation of Liquid Biopsy Analysis. , 2021, , .		0
38	Ultra High Frequency Dielectrophoresis Manipulation to Monitor the Kinetics of Glioblastoma Cells Stemness Phenotype Acquirement. , 2022, , .		0