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	Extracellular Vesicle Measurements with Nanoparticle Tracking Analysis: A Different Appreciation of Up and Down Secretion. International Journal of Molecular Sciences, 2022, 23, 2310.	1.8	8
2	Ultra High Frequency Dielectrophoresis Manipulation to Monitor the Kinetics of Glioblastoma Cells Stemness Phenotype Acquirement. , 2022, , .		0
3	A High Frequency Dielectrophoresis Cytometer for Continuous Flow Biological Cells Refinement. , 2021, , .		2
4	Targeted Sub-Attomole Cancer Biomarker Detection Based on Phase Singularity 2D Nanomaterial-Enhanced Plasmonic Biosensor. Nano-Micro Letters, 2021, 13, 96.	14.4	30
5	Autophagy and Extracellular Vesicles, Connected to rabGTPase Family, Support Aggressiveness in Cancer Stem Cells. Cells, 2021, 10, 1330.	1.8	7
6	Autophagy inhibition reinforces stemness together with exit from dormancy of polydisperse glioblastoma stem cells. Aging, 2021, 13, 18106-18130.	1.4	11
7	BDNF and pro-BDNF in serum and exosomes in major depression: Evolution after antidepressant treatment. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 109, 110229.	2.5	45
8	Characterization of Glioblastoma Cancer Stem Cells Sorted by Sedimentation Field-Flow Fractionation Using an Ultrahigh-Frequency Range Dielectrophoresis Biosensor. Analytical Chemistry, 2021, 93, 12664-12671.	3.2	4
9	Microfluidic Lab-on-a-Chip Based on UHF-Dielectrophoresis for Stemness Phenotype Characterization and Discrimination among Glioblastoma Cells. Biosensors, 2021, 11, 388.	2.3	12
10	Biological Cell Characterization and Discrimination Based on UHF-Dielectrophoresis for Next Generation of Liquid Biopsy Analysis. , 2021, , .		0
11	UHF-Dielectrophoresis Crossover Frequency as a New Marker for Discrimination of Glioblastoma Undifferentiated Cells. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 191-198.	2.3	23
12	A New Label-Free Approach to Glioblastoma Cancer Stem Cell Sorting and Detection. Analytical Chemistry, 2019, 91, 8948-8957.	3.2	9
13	CHI3L1, NTRK2, 1p/19q and IDH Status Predicts Prognosis in Glioma. Cancers, 2019, 11, 544.	1.7	18
14	High-Frequency Dielectrophoresis Characterization of Differentiated vs Undifferentiated Medulloblastoma Cells. , 2018, , .		1
15	Discrimination of Glioblastoma Cancer Stem Cells by measuring their UHF-Dielectrophoresis Crossover Frequency. , 2018, , .		4
16	Tracking Cancer Cells with Microfluidic High Frequency DEP Cytometer Implemented on BiCMOS Lab-on-Chip Platform. , 2018, , .		3
17	Autophagy and TrkC/NT-3 signaling joined forces boost the hypoxic glioblastoma cell survival. Carcinogenesis, 2017, 38, 592-603.	1.3	28
18	<scp>KLRC</scp>3, a Natural Killer receptor gene, is a key factor involved in glioblastoma tumourigenesis and aggressiveness. Journal of Cellular and Molecular Medicine, 2017, 21, 244-253.	1.6	30

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19	Biological cell discrimination based on their high frequency dielectropheretic signatures at UHF frequencies. , 2017, , .		7
20	UHF dielectrophoretic handling of individual biological cells using BiCMOS microfluidic RF-sensors. , 2016, , .		8
21	BiCMOS microfluidic sensor for single cell label-free monitoring through microwave intermodulation. , 2016, , .		4
22	TrkB-containing exosomes promote the transfer of glioblastoma aggressiveness to YKL-40-inactivated glioblastoma cells. Oncotarget, 2016, 7, 50349-50364.	0.8	67
23	A Serum Analysis before and after Antidepressant Treatment in Major Depression: A Pilot Study. Clinical Medicine Insights Psychiatry, 2015, 6, CMPsy.S20765.	0.4	0
24	Microfluidic biosensors for microwave dielectric spectroscopy. Sensors and Actuators A: Physical, 2015, 229, 172-181.	2.0	49
25	IL22/IL-22R Pathway Induces Cell Survival in Human Glioblastoma Cells. PLoS ONE, 2015, 10, e0119872.	1.1	21
26	Kinetics of chemically mediated neurodegeneration/neuroregeneration of mouse olfactory epithelium: monitoring by hyperlayer sedimentation field flow fractionation. Analytical and Bioanalytical Chemistry, 2014, 406, 1671-1681.	1.9	3
27	Decrease in Fas-induced apoptosis by the Î³-secretase inhibitor is dependent on p75NTR in a glioblastoma cell line. Experimental and Therapeutic Medicine, 2012, 3, 873-877.	0.8	1
28	EGFR Soluble Isoforms and Their Transcripts Are Expressed in Meningiomas. PLoS ONE, 2012, 7, e37204.	1.1	28
29	P75 neurotrophin receptor is sequestered in the Golgi apparatus of the U-87 MG human glioblastoma cell line. International Journal of Oncology, 2011, 38, 391-9.	1.4	6
30	Clinical Relevance of Tumor Cells with Stem-Like Properties in Pediatric Brain Tumors. PLoS ONE, 2011, 6, e16375.	1.1	57
31	Oncogramme, a new individualized tumor response testing method: application to colon cancer. Cytotechnology, 2010, 62, 381-388.	0.7	6
32	Cancer stem cells from human glioma cell line are resistant to Fas-induced apoptosis. International Journal of Oncology, 2009, 34, 717-27.	1.4	30
33	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. International Journal of Oncology, 2007, 30, 273.	1.4	9
34	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. International Journal of Oncology, 2007, 30, 273-81.	1.4	8
35	Neural stem cell separation from the embryonic avian olfactory epithelium by sedimentation field-flow fractionation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 843, 175-182.	1.2	23
36	Modulation of Fas-induced apoptosis by p75 neurotrophin receptor in a human neuroblastoma cell line. Apoptosis: an International Journal on Programmed Cell Death, 2005, 10, 1271-1283.	2.2	8

#	Article	IF	Citations
37	Nuclear factors, hs1,2 enhancer and IgA nephropathy. Kidney International, 2003, 63, 767.	2.6	2
38	Cancer Stem-Like Cells in Glioblastoma. , 0, , 59-71.		10