

# Burt G Feuerstein

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

7,310  
citations

126858

33  
h-index

106281

65  
g-index

83  
all docs

83  
docs citations

83  
times ranked

8897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular subclasses of high-grade glioma predict prognosis, delineate a pattern of disease progression, and resemble stages in neurogenesis. <i>Cancer Cell</i> , 2006, 9, 157-173.	7.7	2,706
2	Localization of common deletion regions on 1p and 19q in human gliomas and their association with histological subtype. <i>Oncogene</i> , 1999, 18, 4144-4152.	2.6	354
3	A multigene predictor of outcome in glioblastoma. <i>Neuro-Oncology</i> , 2010, 12, 49-57.	0.6	334
4	Integrated Array-Comparative Genomic Hybridization and Expression Array Profiles Identify Clinically Relevant Molecular Subtypes of Glioblastoma. <i>Cancer Research</i> , 2005, 65, 1678-1686.	0.4	296
5	Angiogenesis-independent tumor growth mediated by stem-like cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16466-16471.	3.3	204
6	Reevaluating the imaging definition of tumor progression: perfusion MRI quantifies recurrent glioblastoma tumor fraction, pseudoprogression, and radiation necrosis to predict survival. <i>Neuro-Oncology</i> , 2012, 14, 919-930.	0.6	188
7	Contribution of Notch signaling activation to human glioblastoma multiforme. <i>Journal of Neurosurgery</i> , 2007, 106, 417-427.	0.9	181
8	Implications and concepts of polyamine-nucleic acid interactions. <i>Journal of Cellular Biochemistry</i> , 1991, 46, 37-47.	1.2	173
9	Integrated genomic and epigenomic analyses pinpoint biallelic gene inactivation in tumors. <i>Nature Genetics</i> , 2002, 32, 453-458.	9.4	172
10	Molecular mechanics of the interactions of spermine with DNA: DNA bending as a result of ligand binding. <i>Nucleic Acids Research</i> , 1990, 18, 1271-1282.	6.5	164
11	Chromosomal Abnormalities Subdivide Ependymal Tumors into Clinically Relevant Groups. <i>American Journal of Pathology</i> , 2001, 158, 1137-1143.	1.9	137
12	Comparative genomic hybridization in patients with supratentorial and infratentorial primitive neuroectodermal tumors. , 1999, 86, 331-339.		132
13	Astroblastoma: Clinicopathologic Features and Chromosomal Abnormalities Defined by Comparative Genomic Hybridization. <i>Brain Pathology</i> , 2000, 10, 342-352.	2.1	127
14	Genetic aberrations defined by comparative genomic hybridization distinguish long-term from typical survivors of glioblastoma. <i>Cancer Research</i> , 2002, 62, 6205-10.	0.4	113
15	Losses of Chromosomal Arms 1p and 19q in the Diagnosis of Oligodendroglioma. A Study of Paraffin-Embedded Sections. <i>Modern Pathology</i> , 2001, 14, 842-853.	2.9	110
16	Chromosomal abnormalities in glioblastoma multiforme tumors and glioma cell lines detected by comparative genomic hybridization. <i>International Journal of Cancer</i> , 1995, 60, 812-819.	2.3	106
17	Identification of IGF2 signaling through phosphoinositide-3-kinase regulatory subunit 3 as a growth-promoting axis in glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3466-3471.	3.3	101
18	Expression of the Aquaporin-1 Water Channel in Human Glial Tumors. <i>Neurosurgery</i> , 2005, 56, 375-381.	0.6	92

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19	The Wnt inhibitory factor 1 (WIF1) is targeted in glioblastoma and has a tumor suppressing function potentially by induction of senescence. <i>Neuro-Oncology</i> , 2011, 13, 736-747.	0.6	92
20	Chromosomal imbalances detected by array comparative genomic hybridization in human oligodendrogliomas and mixed oligoastrocytomas. <i>Genes Chromosomes and Cancer</i> , 2005, 42, 68-77.	1.5	89
21	Isochromosome 17q Is a Negative Prognostic Factor in Poor-Risk Childhood Medulloblastoma Patients. <i>Clinical Cancer Research</i> , 2005, 11, 4733-4740.	3.2	81
22	Detection of multiple gains and losses of genetic material in ten glioma cell lines by comparative genomic hybridization. <i>Genes Chromosomes and Cancer</i> , 1995, 13, 86-93.	1.5	77
23	Genetic analysis of glioblastoma multiforme provides evidence for subgroups within the grade. , 1998, 21, 195-206.		74
24	Functional inactivation of the KLF6 tumor suppressor gene by loss of heterozygosity and increased alternative splicing in glioblastoma. <i>International Journal of Cancer</i> , 2007, 121, 1390-1395.	2.3	73
25	Tissue Microdissection and Degenerate Oligonucleotide Primed-Polymerase Chain Reaction (DOP-PCR) Is an Effective Method to Analyze Genetic Aberrations in Invasive Tumors. <i>Journal of Molecular Diagnostics</i> , 2001, 3, 62-67.	1.2	64
26	Array Comparative Genomic Hybridization Identifies Genetic Subgroups in Grade 4 Human Astrocytoma. <i>Clinical Cancer Research</i> , 2005, 11, 2907-2918.	3.2	61
27	ZNF217 suppresses cell death associated with chemotherapy and telomere dysfunction. <i>Human Molecular Genetics</i> , 2005, 14, 3219-3225.	1.4	60
28	Detection of p16 Gene Deletions in Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 1997, 56, 999-1008.	0.9	56
29	Molecular cytogenetic analysis of chromosomes 1 and 19 in glioma cell lines. <i>Cancer Genetics and Cytogenetics</i> , 2005, 160, 1-14.	1.0	54
30	Grade II astrocytomas are subgrouped by chromosome aberrations. <i>Cancer Genetics and Cytogenetics</i> , 2003, 142, 1-7.	1.0	51
31	Pituicytoma: Characterization of a Unique Neoplasm by Histology, Immunohistochemistry, Ultrastructure, and Array-Based Comparative Genomic Hybridization. <i>Archives of Pathology and Laboratory Medicine</i> , 2010, 134, 1063-1069.	1.2	51
32	Molecular dynamics of spermine-DNA Interactions sequence specificity and DNA bending for a simple ligand. <i>Nucleic Acids Research</i> , 1989, 17, 6883-6892.	6.5	48
33	EGF-induced redistribution of erbB2 on breast tumor cells: Flow and image cytometric energy transfer measurements. , 1998, 32, 120-131.		48
34	Intraoperative fluorescent imaging of intracranial tumors: A review. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 517-528.	0.6	39
35	Detection of p 16, RB, CDK4, and p53 Gene Deletion and Amplification by Fluorescence In Situ Hybridization in 96 Gliomas. <i>American Journal of Clinical Pathology</i> , 1999, 112, 801-809.	0.4	38
36	A genetic strategy to overcome the senescence of primary meningioma cell cultures. <i>Journal of Neuro-Oncology</i> , 2006, 78, 113-121.	1.4	36

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37	New DNA polymorphism: evidence for a low salt, left-handed form of poly(dG-m5dC). <i>Nucleic Acids Research</i> , 1985, 13, 4133-4141.	6.5	34
38	Multiple genetic aberrations including evidence of chromosome 11q13 rearrangement detected in pituitary adenomas by comparative genomic hybridization. <i>Journal of Neurosurgery</i> , 1999, 90, 306-314.	0.9	33
39	Analyses of brain tumor cell lines confirm a simple model of relationships among fluorescence in situ hybridization, DNA index, and comparative genomic hybridization. , 1997, 20, 311-319.		32
40	GENETIC ABERRATIONS IN GLIOMATOSIS CEREBRI. <i>Neurosurgery</i> , 2007, 60, 150-158.	0.6	32
41	Cytoplasmic microinjection of immunoglobulin Gs recognizing RNA helices inhibits human cell growth. <i>Journal of Molecular Biology</i> , 1990, 211, 147-160.	2.0	27
42	Molecular interactions of ErbB1 (EGFR) and integrin- $\alpha$ 1 in astrocytoma frozen sections predict clinical outcome and correlate with Akt-mediated in vitro radioresistance. <i>Neuro-Oncology</i> , 2013, 15, 1027-1040.	0.6	27
43	The role of AKT isoforms in glioblastoma: AKT3 delays tumor progression. <i>Journal of Neuro-Oncology</i> , 2016, 130, 43-52.	1.4	27
44	Polyamine-DNA Interactions: Possible Site of New Cancer Chemotherapeutic Intervention. <i>Pharmaceutical Research</i> , 1986, 03, 311-317.	1.7	26
45	Recognition of Z-RNA and Z-DNA Determinants by Polyamines in Solution: Experimental and Theoretical Studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 1988, 6, 299-309.	2.0	24
46	Attachment of A172 human glioblastoma cells affects calcium signalling: A comparison of image cytometry, flow cytometry, and spectrofluorometry. <i>Cytometry</i> , 1991, 12, 707-716.	1.8	24
47	Gliomas in families: Chromosomal analysis by comparative genomic hybridization. <i>Cancer Genetics and Cytogenetics</i> , 1998, 100, 77-83.	1.0	23
48	Label-free microscopic assessment of glioblastoma biopsy specimens prior to biobanking. <i>Neurosurgical Focus</i> , 2014, 36, E8.	1.0	19
49	Heterogeneity, polyploidy, aneusomy, and 9p deletion in human glioblastoma multiforme. <i>Cancer Genetics and Cytogenetics</i> , 1995, 83, 127-135.	1.0	17
50	Effect of N1,N14-bis-(ethyl)-homospermine (BE-4 $\mu$ 4-4) on the growth of U-251 MG and SF-188 human brain tumor cells. <i>International Journal of Cancer</i> , 1991, 48, 873-878.	2.3	16
51	Use of a Conformational Switching Aptamer for Rapid and Specific Ex Vivo Identification of Central Nervous System Lymphoma in a Xenograft Model. <i>PLoS ONE</i> , 2015, 10, e0123607.	1.1	16
52	<sup>1</sup> H and <sup>31</sup> P nuclear magnetic resonance studies of spermine binding to the Z-DNA form of d(m5CGm5CGm5CG)2. <i>Journal of Molecular Biology</i> , 1991, 219, 585-590.	2.0	14
53	Molecular cytogenetic quantitation of gains and losses of genetic material from human gliomas. <i>Journal of Neuro-Oncology</i> , 1995, 24, 47-55.	1.4	14
54	DNA copy number alterations in central primitive neuroectodermal tumors and tumors of the pineal region: an international individual patient data meta-analysis. <i>Journal of Neuro-Oncology</i> , 2012, 109, 415-423.	1.4	13

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55	Handheld confocal laser endomicroscopic imaging utilizing tumor-specific fluorescent labeling to identify experimental glioma cells in vivo. , 2016, 7, 995.		12
56	Fluorescent tetradecanoylphorbol acetate: A novel probe of phorbol ester binding domains. Journal of Cellular Biochemistry, 1991, 46, 266-276.	1.2	11
57	Two polyamine analogs (BE-4-4-4 and BE-4-4-4-4) directly affect growth, survival, and cell cycle progression in two human brain tumor cell lines. Cancer Chemotherapy and Pharmacology, 1995, 36, 411-417.	1.1	11
58	Depletion of intracellular calcium stores facilitates the influx of extracellular calcium in platelet derived growth factor stimulated A172 glioblastoma cells. , 1996, 24, 64-73.		11
59	AKT Pathway Genes Define 5 Prognostic Subgroups in Glioblastoma. PLoS ONE, 2014, 9, e100827.	1.1	11
60	Effects of DFMO on glioma cell proliferation, migration and invasion in vitro. Journal of Neuro-Oncology, 1998, 36, 113-121.	1.4	10
61	A complex rearrangement of chromosome 7 in human astrocytoma. Cancer Genetics and Cytogenetics, 2004, 151, 162-170.	1.0	8
62	Intraoperative Discovery of Neuroblastoma in an Infant With Pulmonary Atresia. Annals of Thoracic Surgery, 1997, 64, 1827-1829.	0.7	6
63	Sulforhodamine 101 selectively labels human astrocytoma cells in an animal model of glioblastoma. Journal of Clinical Neuroscience, 2014, 21, 846-851.	0.8	6
64	Relationship between Heat Sensitivity and Polyamine Levels after Treatment with $\hat{\pm}$ -Difluoromethylornithine (DFMO). Radiation Research, 1986, 108, 269.	0.7	5
65	Biphasic calcium response of platelet-derived growth factor stimulated glioblastoma cells is a function of cell confluence. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 67A, 172-179.	1.1	5
66	Chromosome transfer experiments link regions on chromosome 7 to radiation resistance in human glioblastoma multiforme. Genes Chromosomes and Cancer, 2006, 45, 20-30.	1.5	4
67	Provision of rapid and specific ex vivo diagnosis of central nervous system lymphoma from rodent xenograft biopsies by a fluorescent aptamer. Journal of Neurosurgery, 2021, 134, 1783-1790.	0.9	3
68	Radiation-induced changes in nucleoid halo diameters of aerobic and hypoxic SF-126 human brain tumor cells. Cytometry, 1995, 19, 107-111.	1.8	2
69	SOX2: A Glioma-specific Marker and a Potential Target for Therapy. FASEB Journal, 2008, 22, 706-18.	0.2	2
70	Amplifying small amounts of tumor DNA allows detection of DNA copy number aberrations with array-CGH. BioTechniques, 2008, 44, iii-vi.	0.8	1
71	Two polyamine analogs (BE-4-4-4 and BE-4-4-4-4) directly affect growth, survival, and cell cycle progression in two human brain tumor cell lines. Cancer Chemotherapy and Pharmacology, 1995, 36, 411-417.	1.1	1
72	Discovery of Genetic Markers for Brain Tumors by Comparative Genomic Hybridization. , 2009, , 373-394.		1

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73	Significance of Epidermal Growth Factor Receptor in the Radiation Resistance of Glioblastoma Tumors. , 2008, , .		0
74	Comparative Genomic Hybridization. , 2002, , 197-217.		0
75	Abstract 1049: Akt1 and Akt2 are associated with poor outcome in glioblastoma multiforme. , 2010, , .		0
76	Abstract 3748: Perfusion MRI estimation of glioma microvascular density to predict tumor recurrence and treatment response: Validation study through stereotactic tissue analysis. , 2010, , .		0
77	Abstract 1132: PTPRD is a frequent tumor suppressor in malignant astrocytoma. , 2010, , .		0
78	Abstract 4138: Five prognostic subgroups differ in expression of Akt pathway genes: Biomarkers for therapy selection. , 2011, , .		0
79	Abstract 2117: The Wnt inhibitory factor 1 (WIF-1) has tumor suppressing functions in glioblastoma potentially by inducing cellular senescence. , 2011, , .		0
80	Abstract 3688: Akt pathway genes classify GBM into 6 prognostic subgroups with different clinical and molecular features. , 2012, , .		0
81	Abstract B15: Mapping topology of PI3K/AKT/mTOR signaling in glioblastoma molecular subgroups. , 2015, , .		0
82	Abstract 1095: In silico mapping of oncogene networks implicate the WNT pathway in the glioblastoma MES subtype. , 2015, , .		0