

# Burt G Feuerstein

## List of Publications by Year in descending order

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82  
papers

7,310  
citations

126907  
33  
h-index

106344  
65  
g-index

83  
all docs

83  
docs citations

83  
times ranked

8897  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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.                                | 1.6 | 3         |
| 2  | The role of AKT isoforms in glioblastoma: AKT3 delays tumor progression. Journal of Neuro-Oncology, 2016, 130, 43-52.   | 2.9 | 27        |
| 3  | Handheld confocal laser endomicroscopic imaging utilizing tumor-specific fluorescent labeling to identify experimental glioma cells in vivo. , 2016, 7, 995.  |     | 12        |
| 4  | Use of a Conformational Switching Aptamer for Rapid and Specific Ex Vivo Identification of Central Nervous System Lymphoma in a Xenograft Model. PLoS ONE, 2015, 10, e0123607.  | 2.5 | 16        |
| 5  | Abstract B15: Mapping topology of PI3K/AKT/mTOR signaling in glioblastoma molecular subgroups. , 2015, , .  |     | 0         |
| 6  | Abstract 1095:In silicomapping of oncogene networks implicate the WNT pathway in the glioblastoma MES subtype. , 2015, , .  |     | 0         |
| 7  | AKT Pathway Genes Define 5 Prognostic Subgroups in Glioblastoma. PLoS ONE, 2014, 9, e100827.  | 2.5 | 11        |
| 8  | Label-free microscopic assessment of glioblastoma biopsy specimens prior to biobanking. Neurosurgical Focus, 2014, 36, E8.  | 2.3 | 19        |
| 9  | Sulforhodamine 101 selectively labels human astrocytoma cells in an animal model of glioblastoma. Journal of Clinical Neuroscience, 2014, 21, 846-851.  | 1.5 | 6         |
| 10 | Intraoperative fluorescent imaging of intracranial tumors: A review. Clinical Neurology and Neurosurgery, 2013, 115, 517-528.   | 1.4 | 39        |
| 11 | Molecular interactions of ErbB1 (EGFR) and integrin- $\alpha$ 1 in astrocytoma frozen sections predict clinical outcome and correlate with Akt-mediated in vitro radioresistance. Neuro-Oncology, 2013, 15, 1027-1040.      | 1.2 | 27        |
| 12 | Reevaluating the imaging definition of tumor progression: perfusion MRI quantifies recurrent glioblastoma tumor fraction, pseudoprogression, and radiation necrosis to predict survival. Neuro-Oncology, 2012, 14, 919-930. | 1.2 | 188       |
| 13 | DNA copy number alterations in central primitive neuroectodermal tumors and tumors of the pineal region: an international individual patient data meta-analysis. Journal of Neuro-Oncology, 2012, 109, 415-423.             | 2.9 | 13        |
| 14 | Abstract 3688: Akt pathway genes classify GBM into 6 prognostic subgroups with different clinical and molecular features. , 2012, , .   |     | 0         |
| 15 | The Wnt inhibitory factor 1 (WIF1) is targeted in glioblastoma and has a tumor suppressing function potentially by induction of senescence. Neuro-Oncology, 2011, 13, 736-747.  | 1.2 | 92        |
| 16 | Abstract 4138: Five prognostic subgroups differ in expression of Akt pathway genes: Biomarkers for therapy selection. , 2011, , .   |     | 0         |
| 17 | Abstract 2117: The Wnt inhibitory factor 1 (WIF-1) has tumor suppressing functions in glioblastoma potentially by inducing cellular senescence. , 2011, , .   |     | 0         |
| 18 | A multigene predictor of outcome in glioblastoma. Neuro-Oncology, 2010, 12, 49-57.  | 1.2 | 334       |

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|----|--|------|-----------|
| 19 | Pituicytoma: Characterization of a Unique Neoplasm by Histology, Immunohistochemistry, Ultrastructure, and Array-Based Comparative Genomic Hybridization. Archives of Pathology and Laboratory Medicine, 2010, 134, 1063-1069.             | 2.5  | 51        |
| 20 | Abstract 1049: Akt1 and Akt2 are associated with poor outcome in glioblastoma multiforme. , 2010, , .  |      | 0         |
| 21 | Abstract 3748: Perfusion MRI estimation of glioma microvascular density to predict tumor recurrence and treatment response: Validation study through stereotactic tissue analysis. , 2010, , .   |      | 0         |
| 22 | Abstract 1132: PTPRD is a frequent tumor suppressor in malignant astrocytoma. , 2010, , .  |      | 0         |
| 23 | Discovery of Genetic Markers for Brain Tumors by Comparative Genomic Hybridization. , 2009, , 373-394.   |      | 1         |
| 24 | Significance of Epidermal Growth Factor Receptor in the Radiation Resistance of Glioblastoma Tumors. , 2008, , .   |      | 0         |
| 25 | Amplifying small amounts of tumor DNA allows detection of DNA copy number aberrations with array-CGH. BioTechniques, 2008, 44, iii-vi.   | 1.8  | 1         |
| 26 | SOX2: A Glioma-specific Marker and a Potential Target for Therapy. FASEB Journal, 2008, 22, 706.18.  | 0.5  | 2         |
| 27 | Identification of IGF2 signaling through phosphoinositide-3-kinase regulatory subunit 3 as a growth-promoting axis in glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3466-3471. | 7.1  | 101       |
| 28 | Contribution of Notch signaling activation to human glioblastoma multiforme. Journal of Neurosurgery, 2007, 106, 417-427.  | 1.6  | 181       |
| 29 | GENETIC ABERRATIONS IN GLIOMATOSIS CEREBRI. Neurosurgery, 2007, 60, 150-158.   | 1.1  | 32        |
| 30 | Functional inactivation of the KLF6 tumor suppressor gene by loss of heterozygosity and increased alternative splicing in glioblastoma. International Journal of Cancer, 2007, 121, 1390-1395.   | 5.1  | 73        |
| 31 | A genetic strategy to overcome the senescence of primary meningioma cell cultures. Journal of Neuro-Oncology, 2006, 78, 113-121.   | 2.9  | 36        |
| 32 | Molecular subclasses of high-grade glioma predict prognosis, delineate a pattern of disease progression, and resemble stages in neurogenesis. Cancer Cell, 2006, 9, 157-173.   | 16.8 | 2,706     |
| 33 | Chromosome transfer experiments link regions on chromosome 7 to radiation resistance in human glioblastoma multiforme. Genes Chromosomes and Cancer, 2006, 45, 20-30.  | 2.8  | 4         |
| 34 | Angiogenesis-independent tumor growth mediated by stem-like cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16466-16471.   | 7.1  | 204       |
| 35 | Expression of the Aquaporin-1 Water Channel in Human Glial Tumors. Neurosurgery, 2005, 56, 375-381.  | 1.1  | 92        |
| 36 | Molecular cytogenetic analysis of chromosomes 1 and 19 in glioma cell lines. Cancer Genetics and Cytogenetics, 2005, 160, 1-14.  | 1.0  | 54        |

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|----|---|------|-----------|
| 37 | Chromosomal imbalances detected by array comparative genomic hybridization in human oligodendrogliomas and mixed oligoastrocytomas. <i>Genes Chromosomes and Cancer</i> , 2005, 42, 68-77.  | 2.8  | 89        |
| 38 | Biphasic calcium response of platelet-derived growth factor stimulated glioblastoma cells is a function of cell confluence. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 67A, 172-179. | 1.5  | 5         |
| 39 | Integrated Array-Comparative Genomic Hybridization and Expression Array Profiles Identify Clinically Relevant Molecular Subtypes of Glioblastoma. <i>Cancer Research</i> , 2005, 65, 1678-1686.   | 0.9  | 296       |
| 40 | ZNF217 suppresses cell death associated with chemotherapy and telomere dysfunction. <i>Human Molecular Genetics</i> , 2005, 14, 3219-3225.  | 2.9  | 60        |
| 41 | Array Comparative Genomic Hybridization Identifies Genetic Subgroups in Grade 4 Human Astrocytoma. <i>Clinical Cancer Research</i> , 2005, 11, 2907-2918.   | 7.0  | 61        |
| 42 | Isochromosome 17q Is a Negative Prognostic Factor in Poor-Risk Childhood Medulloblastoma Patients. <i>Clinical Cancer Research</i> , 2005, 11, 4733-4740.   | 7.0  | 81        |
| 43 | A complex rearrangement of chromosome 7 in human astrocytoma. <i>Cancer Genetics and Cytogenetics</i> , 2004, 151, 162-170.   | 1.0  | 8         |
| 44 | Grade II astrocytomas are subgrouped by chromosome aberrations. <i>Cancer Genetics and Cytogenetics</i> , 2003, 142, 1-7.   | 1.0  | 51        |
| 45 | Integrated genomic and epigenomic analyses pinpoint biallelic gene inactivation in tumors. <i>Nature Genetics</i> , 2002, 32, 453-458.  | 21.4 | 172       |
| 46 | Comparative Genomic Hybridization. , 2002, , 197-217.   |      | 0         |
| 47 | Genetic aberrations defined by comparative genomic hybridization distinguish long-term from typical survivors of glioblastoma. <i>Cancer Research</i> , 2002, 62, 6205-10.  | 0.9  | 113       |
| 48 | 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.  | 5.5  | 110       |
| 49 | Chromosomal Abnormalities Subdivide Ependymal Tumors into Clinically Relevant Groups. <i>American Journal of Pathology</i> , 2001, 158, 1137-1143.  | 3.8  | 137       |
| 50 | 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.        | 2.8  | 64        |
| 51 | Astroblastoma: Clinicopathologic Features and Chromosomal Abnormalities Defined by Comparative Genomic Hybridization. <i>Brain Pathology</i> , 2000, 10, 342-352.   | 4.1  | 127       |
| 52 | 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.                                  | 1.6  | 33        |
| 53 | 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.  | 5.9  | 354       |
| 54 | Comparative genomic hybridization in patients with supratentorial and infratentorial primitive neuroectodermal tumors. , 1999, 86, 331-339.   |      | 132       |

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|----|--|-----|-----------|
| 55 | Detection of p 16, RB, CDK4, and p53 Gene Deletion and Amplification by Fluorescence In Situ Hybridization in 96 Gliomas. American Journal of Clinical Pathology, 1999, 112, 801-809.                      | 0.7 | 38        |
| 56 | Effects of DFMO on glioma cell proliferation, migration and invasion in vitro. Journal of Neuro-Oncology, 1998, 36, 113-121.   | 2.9 | 10        |
| 57 | Gliomas in families: Chromosomal analysis by comparative genomic hybridization. Cancer Genetics and Cytogenetics, 1998, 100, 77-83.  | 1.0 | 23        |
| 58 | EGF-induced redistribution of erbB2 on breast tumor cells: Flow and image cytometric energy transfer measurements. , 1998, 32, 120-131.  |     | 48        |
| 59 | Genetic analysis of glioblastoma multiforme provides evidence for subgroups within the grade. , 1998, 21, 195-206.   |     | 74        |
| 60 | Detection of p16 Gene Deletions in Gliomas. Journal of Neuropathology and Experimental Neurology, 1997, 56, 999-1008.  | 1.7 | 56        |
| 61 | Intraoperative Discovery of Neuroblastoma in an Infant With Pulmonary Atresia. Annals of Thoracic Surgery, 1997, 64, 1827-1829.  | 1.3 | 6         |
| 62 | 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        |
| 63 | 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        |
| 64 | Chromosomal abnormalities in glioblastoma multiforme tumors and glioma cell lines detected by comparative genomic hybridization. International Journal of Cancer, 1995, 60, 812-819.                       | 5.1 | 106       |
| 65 | Detection of multiple gains and losses of genetic material in ten glioma cell lines by comparative genomic hybridization. Genes Chromosomes and Cancer, 1995, 13, 86-93.                                   | 2.8 | 77        |
| 66 | 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         |
| 67 | Molecular cytogenetic quantitation of gains and losses of genetic material from human gliomas. Journal of Neuro-Oncology, 1995, 24, 47-55.   | 2.9 | 14        |
| 68 | Heterogeneity, polyploidy, aneusomy, and 9p deletion in human glioblastoma multiforme. Cancer Genetics and Cytogenetics, 1995, 83, 127-135.  | 1.0 | 17        |
| 69 | 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. | 2.3 | 11        |
| 70 | 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. | 2.3 | 1         |
| 71 | <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. Journal of Molecular Biology, 1991, 219, 585-590.                         | 4.2 | 14        |
| 72 | Implications and concepts of polyamine-nucleic acid interactions. Journal of Cellular Biochemistry, 1991, 46, 37-47.   | 2.6 | 173       |

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|----|--|------|-----------|
| 73 | Fluorescent tetradecanoylphorbol acetate: A novel probe of phorbol ester binding domains. Journal of Cellular Biochemistry, 1991, 46, 266-276.                                 | 2.6  | 11        |
| 74 | Effect of N1,N14-bis-(ethyl)-homospermine (BE-4) on the growth of U-251 MG and SF-188 human brain tumor cells. International Journal of Cancer, 1991, 48, 873-878.             | 5.1  | 16        |
| 75 | Attachment of A172 human glioblastoma cells affects calcium signalling: A comparison of image cytometry, flow cytometry, and spectrofluorometry. Cytometry, 1991, 12, 707-716. | 1.8  | 24        |
| 76 | Molecular mechanics of the interactions of spermine with DNA: DNA bending as a result of ligand binding. Nucleic Acids Research, 1990, 18, 1271-1282.                          | 14.5 | 164       |
| 77 | Cytoplasmic microinjection of immunoglobulin Gs recognizing RNA helices inhibits human cell growth. Journal of Molecular Biology, 1990, 211, 147-160.                          | 4.2  | 27        |
| 78 | Molecular dynamics of spermine-DNA Interactions as sequence specificity and DNA bending for a simple ligand. Nucleic Acids Research, 1989, 17, 6883-6892.                      | 14.5 | 48        |
| 79 | Recognition of Z-RNA and Z-DNA Determinants by Polyamines in Solution: Experimental and Theoretical Studies. Journal of Biomolecular Structure and Dynamics, 1988, 6, 299-309. | 3.5  | 24        |
| 80 | Polyamine-DNA Interactions: Possible Site of New Cancer Chemotherapeutic Intervention. Pharmaceutical Research, 1986, 03, 311-317.   | 3.5  | 26        |
| 81 | Relationship between Heat Sensitivity and Polyamine Levels after Treatment with $\pm$ -Difluoromethylornithine (DFMO). Radiation Research, 1986, 108, 269.                     | 1.5  | 5         |
| 82 | New DNA polymorphism: evidence for a low salt, left-handed form of poly(dG-m5dC). Nucleic Acids Research, 1985, 13, 4133-4141.   | 14.5 | 34        |