

# Erwin G Van Meir

## List of Publications by Citations

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75  
papers

9,246  
citations

39  
h-index

77  
g-index

77  
ext. papers

10,870  
ext. citations

12.2  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
75	The somatic genomic landscape of glioblastoma. <i>Cell</i> , <b>2013</b> , 155, 462-77	56.2	2900
74	Exciting new advances in neuro-oncology: the avenue to a cure for malignant glioma. <i>Ca-A Cancer Journal for Clinicians</i> , <b>2010</b> , 60, 166-93	220.7	950
73	The role of interleukin-8 and its receptors in gliomagenesis and tumoral angiogenesis. <i>Neuro-Oncology</i> , <b>2005</b> , 7, 122-33	1	527
72	Intertumoral Heterogeneity within Medulloblastoma Subgroups. <i>Cancer Cell</i> , <b>2017</b> , 31, 737-754.e6	24.3	511
71	Frequent co-alterations of TP53, p16/CDKN2A, p14ARF, PTEN tumor suppressor genes in human glioma cell lines. <i>Brain Pathology</i> , <b>1999</b> , 9, 469-79	6	424
70	Microregional extracellular matrix heterogeneity in brain modulates glioma cell invasion. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 1046-69	5.6	391
69	Whole-genome and multisector exome sequencing of primary and post-treatment glioblastoma reveals patterns of tumor evolution. <i>Genome Research</i> , <b>2015</b> , 25, 316-27	9.7	240
68	Divergent clonal selection dominates medulloblastoma at recurrence. <i>Nature</i> , <b>2016</b> , 529, 351-7	50.4	206
67	Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. <i>Lancet Oncology, The</i> , <b>2016</b> , 17, 484-495	21.7	187
66	Tyr phosphorylation of PDP1 toggles recruitment between ACAT1 and SIRT3 to regulate the pyruvate dehydrogenase complex. <i>Molecular Cell</i> , <b>2014</b> , 53, 534-48	17.6	184
65	Vasculostatin, a proteolytic fragment of brain angiogenesis inhibitor 1, is an antiangiogenic and antitumorigenic factor. <i>Oncogene</i> , <b>2005</b> , 24, 3632-42	9.2	140
64	Human astrocytomas and glioblastomas express monocyte chemoattractant protein-1 (MCP-1) in vivo and in vitro. <i>International Journal of Cancer</i> , <b>1994</b> , 58, 240-7	7.5	131
63	Predicting chemoresistance in human malignant glioma cells: the role of molecular genetic analyses. <i>International Journal of Cancer</i> , <b>1998</b> , 79, 640-4	7.5	130
62	p53 gene mutation and ink4a-arf deletion appear to be two mutually exclusive events in human glioblastoma. <i>Oncogene</i> , <b>2000</b> , 19, 3816-22	9.2	120
61	Regulation of interleukin-8 expression by reduced oxygen pressure in human glioblastoma. <i>Oncogene</i> , <b>1999</b> , 18, 1447-56	9.2	103
60	Hypoxia inducible factor-1: a novel target for cancer therapy. <i>Anti-Cancer Drugs</i> , <b>2005</b> , 16, 901-9	2.4	100
59	Hypoxia inducible factor pathway inhibitors as anticancer therapeutics. <i>Future Medicinal Chemistry</i> , <b>2013</b> , 5, 553-72	4.1	93

58	Vasculostatin inhibits intracranial glioma growth and negatively regulates in vivo angiogenesis through a CD36-dependent mechanism. <i>Cancer Research</i> , <b>2009</b> , 69, 1212-20	10.1	85
57	Identification of a novel small molecule HIF-1alpha translation inhibitor. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 6128-36	12.9	84
56	Brain angiogenesis inhibitor 1 is differentially expressed in normal brain and glioblastoma independently of p53 expression. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 19-27	5.8	82
55	Cytokines and tumors of the central nervous system. <i>Glia</i> , <b>1995</b> , 15, 264-88	9	81
54	Genetic and biologic progression in astrocytomas and their relation to angiogenic dysregulation. <i>Advances in Anatomic Pathology</i> , <b>2002</b> , 9, 24-36	5.1	73
53	Detection of "oncometabolite" 2-hydroxyglutarate by magnetic resonance analysis as a biomarker of IDH1/2 mutations in glioma. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 1161-1171	5.5	70
52	Human Brat ortholog TRIM3 is a tumor suppressor that regulates asymmetric cell division in glioblastoma. <i>Cancer Research</i> , <b>2014</b> , 74, 4536-48	10.1	68
51	Antitumor effect of 2-methoxyestradiol in a rat orthotopic brain tumor model. <i>Cancer Research</i> , <b>2006</b> , 66, 11991-7	10.1	68
50	Cells with TP53 mutations in low grade astrocytic tumors evolve clonally to malignancy and are an unfavorable prognostic factor. <i>Oncogene</i> , <b>1999</b> , 18, 5870-8	9.2	68
49	Tumor initiating cells in malignant gliomas: biology and implications for therapy. <i>Journal of Molecular Medicine</i> , <b>2009</b> , 87, 363-74	5.5	67
48	Biology of advanced uveal melanoma and next steps for clinical therapeutics. <i>Pigment Cell and Melanoma Research</i> , <b>2015</b> , 28, 135-47	4.5	62
47	Arylsulfonamide KCN1 inhibits in vivo glioma growth and interferes with HIF signaling by disrupting HIF-1 interaction with cofactors p300/CBP. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 6623-33	12.9	61
46	Cancer therapy with a replicating oncolytic adenovirus targeting the hypoxic microenvironment of tumors. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 8603-12	12.9	60
45	Quantitative real-time PCR does not show selective targeting of p14(ARF) but concomitant inactivation of both p16(INK4A) and p14(ARF) in 105 human primary gliomas. <i>Oncogene</i> , <b>2001</b> , 20, 1103-9 <sup>2</sup>	5.8	58
44	Emerging roles for the BAI1 protein family in the regulation of phagocytosis, synaptogenesis, neurovasculature, and tumor development. <i>Journal of Molecular Medicine</i> , <b>2011</b> , 89, 743-52	5.5	52
43	p53 and brain tumors: from gene mutations to gene therapy. <i>Brain Pathology</i> , <b>1998</b> , 8, 599-613	6	50
42	Overexpression of MBD2 in glioblastoma maintains epigenetic silencing and inhibits the antiangiogenic function of the tumor suppressor gene BAI1. <i>Cancer Research</i> , <b>2011</b> , 71, 5859-70	10.1	49
41	New deletion in low-grade oligodendroglioma at the glioblastoma suppressor locus on chromosome 10q25-26. <i>Oncogene</i> , <b>1997</b> , 15, 997-1000	9.2	47

40	Adhesion GPCRs in Tumorigenesis. <i>Handbook of Experimental Pharmacology</i> , <b>2016</b> , 234, 369-396	3.2	44
39	Absence of p53 gene mutations in a tumor panel representative of pilocytic astrocytoma diversity using a p53 functional assay. <i>International Journal of Cancer</i> , <b>1998</b> , 76, 797-800	7.5	40
38	Response of bovine endothelial cells to FGF-2 and VEGF is dependent on their site of origin: Relevance to the regulation of angiogenesis. <i>Journal of Cellular Biochemistry</i> , <b>2001</b> , 82, 619-33	4.7	40
37	Design and synthesis of novel small-molecule inhibitors of the hypoxia inducible factor pathway. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 8471-89	8.3	39
36	Engineering human tumor-specific cytotoxic T cells to function in a hypoxic environment. <i>Molecular Therapy</i> , <b>2008</b> , 16, 599-606	11.7	38
35	Genetic instability leads to loss of both p53 alleles in a human glioblastoma. <i>Oncogene</i> , <b>1998</b> , 16, 321-6	9.2	33
34	Sulfonamides as a new scaffold for hypoxia inducible factor pathway inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 5528-32	2.9	32
33	Structure-activity relationship of 2,2-dimethyl-2H-chromene based arylsulfonamide analogs of 3,4-dimethoxy-N-[(2,2-dimethyl-2H-chromen-6-yl)methyl]-N-phenylbenzenesulfonamide, a novel small molecule hypoxia inducible factor-1 (HIF-1) pathway inhibitor and anti-cancer agent. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 4530-7	3.4	31
32	Arylsulfonamide 64B Inhibits Hypoxia/HIF-Induced Expression of c-Met and CXCR4 and Reduces Primary Tumor Growth and Metastasis of Uveal Melanoma. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 2206-2218	12.9	29
31	Selective Detection of the D-enantiomer of 2-Hydroxyglutarate in the CSF of Glioma Patients with Mutated Isocitrate Dehydrogenase. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 6256-6265	12.9	28
30	KCN1, a novel synthetic sulfonamide anticancer agent: in vitro and in vivo anti-pancreatic cancer activities and preclinical pharmacology. <i>PLoS ONE</i> , <b>2012</b> , 7, e44883	3.7	26
29	Genomic alterations in human malignant glioma cells associate with the cell resistance to the combination treatment with tumor necrosis factor-related apoptosis-inducing ligand and chemotherapy. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 2716-29	12.9	25
28	BA11 Suppresses Medulloblastoma Formation by Protecting p53 from Mdm2-Mediated Degradation. <i>Cancer Cell</i> , <b>2018</b> , 33, 1004-1016.e5	24.3	24
27	SapC-DOPS-induced lysosomal cell death synergizes with TMZ in glioblastoma. <i>Oncotarget</i> , <b>2014</b> , 5, 9703-9	3.3	24
26	Rare but Recurrent ROS1 Fusions Resulting From Chromosome 6q22 Microdeletions are Targetable Oncogenes in Glioma. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 6471-6482	12.9	24
25	A role for activated Cdc42 in glioblastoma multiforme invasion. <i>Oncotarget</i> , <b>2016</b> , 7, 56958-56975	3.3	22
24	BA11 Orchestrates Macrophage Inflammatory Response to HSV Infection-Implications for Oncolytic Viral Therapy. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 1809-1819	12.9	20
23	Expression of the CD44 adhesion molecule in tumours of the central and peripheral nervous system. <i>Journal of Neuro-Oncology</i> , <b>1995</b> , 26, 191-8	4.8	20

22	A simple genotyping method to detect small CRISPR-Cas9 induced indels by agarose gel electrophoresis. <i>Scientific Reports</i> , <b>2019</b> , 9, 4437	4.9	18
21	p53 and the CNS: tumors and developmental abnormalities. <i>Molecular Neurobiology</i> , <b>1999</b> , 19, 61-77	6.2	18
20	Cancer therapy: Neutrophils traffic in cancer nanodrugs. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 616-618	28.7	16
19	Binding Model for the Interaction of Anticancer Arylsulfonamides with the p300 Transcription Cofactor. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 620-5	4.3	15
18	At the crossroads of cancer and inflammation: Ras rewires an HIF-driven IL-1 autocrine loop. <i>Journal of Molecular Medicine</i> , <b>2011</b> , 89, 91-4	5.5	15
17	EZH2 targeting reduces medulloblastoma growth through epigenetic reactivation of the BAI1/p53 tumor suppressor pathway. <i>Oncogene</i> , <b>2020</b> , 39, 1041-1048	9.2	14
16	Restoration of endogenous wild-type p53 activity in a glioblastoma cell line with intrinsic temperature-sensitive p53 induces growth arrest but not apoptosis. <i>International Journal of Cancer</i> , <b>2001</b> , 94, 35-43	7.5	12
15	Pattern of Relapse and Treatment Response in WNT-Activated Medulloblastoma. <i>Cell Reports Medicine</i> , <b>2020</b> , 1,	18	11
14	Two new species of betatorqueviruses identified in a human melanoma that metastasized to the brain. <i>Oncotarget</i> , <b>2017</b> , 8, 105800-105808	3.3	11
13	Identification of nude mice in tumorigenicity assays. <i>International Journal of Cancer</i> , <b>1997</b> , 71, 310	7.5	10
12	The expanding functional roles and signaling mechanisms of adhesion G protein-coupled receptors. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1456, 5-25	6.5	7
11	A novel small-molecule arylsulfonamide causes energetic stress and suppresses breast and lung tumor growth and metastasis. <i>Oncotarget</i> , <b>2017</b> , 8, 99245-99260	3.3	7
10	The transcriptional landscape of Shh medulloblastoma. <i>Nature Communications</i> , <b>2021</b> , 12, 1749	17.4	7
9	Design and synthesis of benzopyran-based inhibitors of the hypoxia-inducible factor-1 pathway with improved water solubility. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 992-1001	5.6	6
8	A Chimeric Signal Peptide-Galectin-3 Conjugate Induces Glycosylation-Dependent Cancer Cell-Specific Apoptosis. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 2711-2724	12.9	4
7	Targeting HIF-activated collagen prolyl 4-hydroxylase expression disrupts collagen deposition and blocks primary and metastatic uveal melanoma growth. <i>Oncogene</i> , <b>2021</b> , 40, 5182-5191	9.2	3
6	Predicting chemoresistance in human malignant glioma cells: The role of molecular genetic analyses <b>1998</b> , 79, 640		3
5	Purifying Properly Folded Cysteine-rich, Zinc Finger Containing Recombinant Proteins for Structural Drug Targeting Studies: the CH1 Domain of p300 as a Case Example. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	1

4	Mice lacking full length Adgrb1 (Bai1) exhibit social deficits, increased seizure susceptibility, and altered brain development.. <i>Experimental Neurology</i> , <b>2022</b> , 351, 113994	5.7	o
3	Ten-eleven translocation protein 1 modulates medulloblastoma progression. <i>Genome Biology</i> , <b>2021</b> , 22, 125	18.3	o
2	The advent of precision epigenetics for medulloblastoma. <i>Oncoscience</i> , <b>2020</b> , 7, 47-48	0.8	
1	CBMS-7 IGF1/N-cadherin/Clusterin signaling axis mediates adaptive radioresistance of glioma stem cells. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vi3-vi3	0.9	