Bernhard F Radlwimmer

List of Publications by Year
in descending order

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122 papers	19,838 citations	15504 65 h-index	22832 112 g-index
128 all docs	128 docs citations	128 times ranked	29361 citing authors

#	Article	IF	Citations
1	Focal structural variants revealed by whole genome sequencing disrupt the histone demethylase KDM4C in B-cell lymphomas. Haematologica, 2023, 108, 543-554.	3.5	2
2	The genomic and transcriptional landscape of primary central nervous system lymphoma. Nature Communications, 2022, 13, 2558.	12.8	52
3	A Set of Cell Lines Derived from a Genetic Murine Glioblastoma Model Recapitulates Molecular and Morphological Characteristics of Human Tumors. Cancers, 2021, 13, 230.	3.7	13
4	Mutational mechanisms shaping the coding and noncoding genome of germinal center derived B-cell lymphomas. Leukemia, 2021, 35, 2002-2016.	7.2	34
5	Glioblastoma epigenome profiling identifies SOX10 as a master regulator of molecular tumour subtype. Nature Communications, 2020, 11, 6434.	12.8	48
6	Pilocytic astrocytoma demethylation and transcriptional landscapes link bZIP transcription factors to immune response. Neuro-Oncology, 2020, 22, 1327-1338.	1.2	10
7	Leucine and branched-chain amino acid metabolism contribute to the growth of bone sarcomas by regulating AMPK and mTORC1 signaling. Biochemical Journal, 2020, 477, 1579-1599.	3.7	17
8	GPD1 Specifically Marks Dormant Glioma Stem Cells with a Distinct Metabolic Profile. Cell Stem Cell, 2019, 25, 241-257.e8.	11.1	66
9	Evolutionary Trajectories of IDHWT Glioblastomas Reveal a Common Path of Early Tumorigenesis Instigated Years ahead of Initial Diagnosis. Cancer Cell, 2019, 35, 692-704.e12.	16.8	172
10	Genomic and transcriptomic changes complement each other in the pathogenesis of sporadic Burkitt lymphoma. Nature Communications, 2019, 10, 1459.	12.8	99
11	Longitudinal molecular trajectories of diffuse glioma in adults. Nature, 2019, 576, 112-120.	27.8	320
12	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	27.8	1,872
13	PII Protein-Derived FRET Sensors for Quantification and Live-Cell Imaging of 2-Oxoglutarate. Scientific Reports, 2017, 7, 1437.	3.3	29
14	The branched-chain amino acid transaminase 1 sustains growth of antiestrogen-resistant and ERÎ±-negative breast cancer. Oncogene, 2017, 36, 4124-4134.	5.9	60
15	Branchedâ€chain ketoacids secreted by glioblastoma cells via <scp>MCT</scp> 1 modulate macrophage phenotype. EMBO Reports, 2017, 18, 2172-2185.	4.5	74
16	COMPREHENSIVE EPIGENETIC AND TRANSCRIPTIONAL SURVEY OF THE â€œIMPRINTOMEâ€•IN NORMAL B-CELLS AND GERMINAL CENTER DERIVED B-CELL LYMPHOMAS OF THE MMML AND ICGC MMML-SEQ NETWORKS. Hematological Oncology, 2017, 35, 155-156.	1.7	0
17	BCAT1 restricts Î±KG levels in AML stem cells leading to IDHmut-like DNA hypermethylation. Nature, 2017, 551, 384-388.	27.8	261
18	Decreased expression of the mitochondrial BCAT protein correlates with improved patient survival in IDHâ€WT gliomas. Brain Pathology, 2016, 26, 789-791.	4.1	8

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19	Atypical Teratoid/Rhabdoid Tumors Are Comprised of Three Epigenetic Subgroups with Distinct Enhancer Landscapes. Cancer Cell, 2016, 29, 379-393.	16.8	438
20	Molecular classification of diffuse cerebral WHO grade II/III gliomas using genome- and transcriptome-wide profiling improves stratification of prognostically distinct patient groups. Acta Neuropathologica, 2015, 129, 679-693.	7.7	254
21	DNA methylome analysis in Burkitt and follicular lymphomas identifies differentially methylated regions linked to somatic mutation and transcriptional control. Nature Genetics, 2015, 47, 1316-1325.	21.4	119
22	MINCR is a MYC-induced lncRNA able to modulate MYCâ€™s transcriptional network in Burkitt lymphoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5261-70.	7.1	91
23	MOLECULAR GENETIC DETERMINANTS OF LONG-TERM SURVIVAL WITH GLIOBLASTOMA. Neuro-Oncology, 2014, 16, iii46-iii47.	1.2	0
24	EEF1A2 inactivates p53 by way of PI3K/AKT/mTOR-dependent stabilization of MDM4 in hepatocellular carcinoma. Hepatology, 2014, 59, 1886-1899.	7.3	74
25	Targeting Self-Renewal in High-Grade Brain Tumors Leads to Loss of Brain Tumor Stem Cells and Prolonged Survival. Cell Stem Cell, 2014, 15, 185-198.	11.1	123
26	Genomic profiling reveals distinctive molecular relapse patterns in IDH1/2 wildâ€type glioblastoma. Genes Chromosomes and Cancer, 2014, 53, 589-605.	2.8	18
27	Molecular characterization of long-term survivors of glioblastoma using genome- and transcriptome-wide profiling. International Journal of Cancer, 2014, 135, 1822-1831.	5.1	117
28	Decoding the regulatory landscape of medulloblastoma using DNA methylation sequencing. Nature, 2014, 510, 537-541.	27.8	378
29	Loss of FUBP1 expression in gliomas predictsFUBP1mutation and is associated with oligodendroglial differentiation,IDH1mutation and 1p/19q loss of heterozygosity. Neuropathology and Applied Neurobiology, 2014, 40, 205-216.	3.2	41
30	The onset of p53 loss of heterozygosity is differentially induced in various stem cell types and may involve the loss of either allele. Cell Death and Differentiation, 2014, 21, 1419-1431.	11.2	34
31	348: BCAT1 promotes cell proliferation through amino acid catabolism in gliomas carrying wild-type IDH1. European Journal of Cancer, 2014, 50, S83.	2.8	1
32	294: In vitro modulation of CITED4 gene expression in a colorectal cancer cell line. European Journal of Cancer, 2014, 50, S69-S70.	2.8	0
33	Primary glioblastoma cultures: can profiling of stem cell markers predict radiotherapy sensitivity?. Journal of Neurochemistry, 2014, 131, 251-264.	3.9	47
34	Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma. Acta Neuropathologica, 2014, 128, 561-571.	7.7	176
35	Tagmentation-based whole-genome bisulfite sequencing. Nature Protocols, 2013, 8, 2022-2032.	12.0	161
36	Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas. Cancer Cell, 2013, 24, 660-672.	16.8	633

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37	The Endogenous Tryptophan Metabolite and NAD+ Precursor Quinolinic Acid Confers Resistance of Gliomas to Oxidative Stress. Cancer Research, 2013, 73, 3225-3234.	0.9	126
38	<scp>LGR5</scp> is a Marker of Poor Prognosis in Glioblastoma and is Required for Survival of Brain Cancer Stemâ€Like Cells. Brain Pathology, 2013, 23, 60-72.	4.1	80
39	Epigenetic Upregulation of lncRNAs at 13q14.3 in Leukemia Is Linked to the In Cis Downregulation of a Gene Cluster That Targets NF-kB. PLoS Genetics, 2013, 9, e1003373.	3.5	134
40	BCAT1 promotes cell proliferation through amino acid catabolism in gliomas carrying wild-type IDH1. Nature Medicine, 2013, 19, 901-908.	30.7	388
41	Expansive growth of two glioblastoma stem-like cell lines is mediated by bFGF and not by EGF. Radiology and Oncology, 2013, 47, 330-337.	1.7	29
42	Abstract 3797: Regulation and function of the mucin-like glycoprotein podoplanin in glioma.. , 2013, , .		0
43	Expression of podoplanin in human astrocytic brain tumors is controlled by the PI3K-AKT-AP-1 signaling pathway and promoter methylation. Neuro-Oncology, 2012, 14, 426-439.	1.2	55
44	Methylome analysis and integrative profiling of human HCCs identify novel protumorigenic factors. Hepatology, 2012, 56, 1817-1827.	7.3	136
45	Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma. Cancer Cell, 2012, 22, 425-437.	16.8	1,551
46	Microglia isolated from patients with glioma gain antitumor activities on poly (I:C) stimulation. Neuro-Oncology, 2012, 14, 64-78.	1.2	66
47	Recurrent mutation of the ID3 gene in Burkitt lymphoma identified by integrated genome, exome and transcriptome sequencing. Nature Genetics, 2012, 44, 1316-1320.	21.4	389
48	RNAi screening in glioma stem-like cells identifies PFKFB4 as a key molecule important for cancer cell survival. Oncogene, 2012, 31, 3235-3243.	5.9	123
49	The Wnt secretion protein Evi/Gpr177 promotes glioma tumourigenesis. EMBO Molecular Medicine, 2012, 4, 38-51.	6.9	81
50	Abstract 3240: The Wnt secretion factor Evi/Wls/Gpr177 promotes glioma tumorigenesis. , 2012, , .		1
51	Mapping candidate regions and genes for congenital anomalies of the kidneys and urinary tract (CAKUT) by array-based comparative genomic hybridization. Nephrology Dialysis Transplantation, 2011, 26, 136-143.	0.7	60
52	An endogenous tumour-promoting ligand of the human aryl hydrocarbon receptor. Nature, 2011, 478, 197-203.	27.8	1,514
53	A gene signature distinguishing CD133hi from CD133- colorectal cancer cells: essential role for EGR1 and downstream factors. Pathology, 2011, 43, 220-227.	0.6	16
54	Molecular signatures classify astrocytic gliomas by IDH1 mutation status. International Journal of Cancer, 2011, 128, 1095-1103.	5.1	75

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55	Differential Retinoic Acid Signaling in Tumors of Long- and Short-term Glioblastoma Survivors. Journal of the National Cancer Institute, 2011, 103, 598-601.	6.3	46
56	Sensitivity and resistance towards isoliquiritigenin, doxorubicin and methotrexate in T cell acute lymphoblastic leukaemia cell lines by pharmacogenomics. Naunyn-Schmiedeberg's Archives of Pharmacology, 2010, 382, 221-234.	3.0	20
57	Recurrent copy number gain of transcription factor SOX2 and corresponding high protein expression in oral squamous cell carcinoma. Genes Chromosomes and Cancer, 2010, 49, 9-16.	2.8	106
58	De-repression of CTGF via the miR-17-92 cluster upon differentiation of human glioblastoma spheroid cultures. Oncogene, 2010, 29, 3411-3422.	5.9	142
59	International network of cancer genome projects. Nature, 2010, 464, 993-998.	27.8	2,114
60	The nuclear receptor tailless induces long-term neural stem cell expansion and brain tumor initiation. Genes and Development, 2010, 24, 683-695.	5.9	121
61	Expression of an ASCL2 related stem cell signature and IGF2 in colorectal cancer liver metastases with 11p15.5 gain. Gut, 2010, 59, 1236-1244.	12.1	88
62	MYC High Level Gene Amplification Is a Distinctive Feature of Angiosarcomas after Irradiation or Chronic Lymphedema. American Journal of Pathology, 2010, 176, 34-39.	3.8	276
63	Differentiation Therapy Exerts Antitumor Effects on Stem-like Glioma Cells. Clinical Cancer Research, 2010, 16, 2715-2728.	7.0	279
64	Outcome Prediction in Pediatric Medulloblastoma Based on DNA Copy-Number Aberrations of Chromosomes 6q and 17q and the MYC and MYCN Loci. Journal of Clinical Oncology, 2009, 27, 1627-1636.	1.6	274
65	Genomic and Expression Profiling of Glioblastoma Stem Cellâ€“Like Spheroid Cultures Identifies Novel Tumor-Relevant Genes Associated with Survival. Clinical Cancer Research, 2009, 15, 6541-6550.	7.0	158
66	FARP2, HDLBP and PASK are downregulated in a patient with autism and 2q37.3 deletion syndrome. American Journal of Medical Genetics, Part A, 2009, 149A, 952-959.	1.2	40
67	Array-CGH in unclear syndromic nephropathies identifies a microdeletion in Xq22.3-q23. Pediatric Nephrology, 2009, 24, 1673-1681.	1.7	7
68	Rosetted glioneuronal tumor of the spine with overtly anaplastic histological features. Acta Neuropathologica, 2009, 117, 591-593.	7.7	10
69	32LBA High level gene amplification of MYC characterizes radiation-induced angiosarcomas. European Journal of Cancer, Supplement, 2009, 7, 16.	2.2	0
70	High-resolution genomic profiling of childhood T-ALL reveals frequent copy-number alterations affecting the TGF-Î² and PI3K-AKT pathways and deletions at 6q15-16.1 as a genomic marker for unfavorable early treatment response. Blood, 2009, 114, 1053-1062.	1.4	105
71	Etiology-dependent molecular mechanisms in human hepatocarcinogenesis. Hepatology, 2008, 47, 511-520.	7.3	173
72	Establishment, characterization and drug sensitivity testing in primary cultures of human thymoma and thymic carcinoma. International Journal of Cancer, 2008, 122, 2719-2725.	5.1	41

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73	Copy number alterations in childhood acute lymphoblastic leukemia and their association with minimal residual disease. Genes Chromosomes and Cancer, 2008, 47, 471-480.	2.8	21
74	Apoptosis-based treatment of glioblastomas with ABT-737, a novel small molecule inhibitor of Bcl-2 family proteins. Oncogene, 2008, 27, 6646-6656.	5.9	188
75	Comprehensive Characterization of Genomic Aberrations in Gangliogliomas by CGH, Arrayâ€based CGH and Interphase FISH. Brain Pathology, 2008, 18, 326-337.	4.1	58
76	Stem Cell Marker CD133 Affects Clinical Outcome in Glioma Patients. Clinical Cancer Research, 2008, 14, 123-129.	7.0	540
77	BRAF gene duplication constitutes a mechanism of MAPK pathway activation in low-grade astrocytomas. Journal of Clinical Investigation, 2008, 118, 1739-1749.	8.2	437
78	DNA microarray analysis identifies candidate regions and genes in unexplained mental retardation. Neurology, 2007, 68, 743-750.	1.1	82
79	Severe mental retardation with breathing abnormalities (Pittâ€“Hopkins syndrome) is caused by haploinsufficiency of the neuronal bHLH transcription factor TCF4. Human Molecular Genetics, 2007, 16, 1488-1494.	2.9	137
80	Array-based profiling of reference-independent methylation status (aPRIMES) identifies frequent promoter methylation and consecutive downregulation of ZIC2 in pediatric medulloblastoma. Nucleic Acids Research, 2007, 35, e51.	14.5	58
81	Angiocentric Glioma. American Journal of Surgical Pathology, 2007, 31, 1709-1718.	3.7	110
82	Co-localization of CENP-C and CENP-H to discontinuous domains of CENP-A chromatin at human neocentromeres. Genome Biology, 2007, 8, R148.	9.6	73
83	Supratentorial primitive neuroectodermal tumors of the central nervous system frequently harbor deletions of theCDKN2A locus and other genomic aberrations distinct from medulloblastomas. Genes Chromosomes and Cancer, 2007, 46, 839-851.	2.8	76
84	Frequent loss of chromosome 9, homozygous CDKN2A/p14ARF/CDKN2B deletion and low TSC1 mRNA expression in pleomorphic xanthoastrocytomas. Oncogene, 2007, 26, 1088-1097.	5.9	98
85	Towards mapping phenotypical traits in 18pâ˜’ syndrome by array-based comparative genomic hybridisation and fluorescent in situ hybridisation. European Journal of Human Genetics, 2007, 15, 35-44.	2.8	42
86	Genome-wide analysis for micro-aberrations in familial exstrophy of the bladder using array-based comparative genomic hybridization. BJU International, 2007, 100, 646-650.	2.5	12
87	Matrix-comparative genomic hybridization from multicenter formalin-fixed paraffin-embedded colorectal cancer tissue blocks. BMC Cancer, 2007, 7, 58.	2.6	17
88	Recurrent FGFR1 amplification and high FGFR1 protein expression in oral squamous cell carcinoma (OSCC). Oral Oncology, 2007, 43, 60-66.	1.5	147
89	Molecular risk stratification in pediatric medulloblastoma. Journal of Clinical Oncology, 2007, 25, 9506-9506.	1.6	0
90	A Chromosome 8 Gene-Cluster Polymorphism with Low Human Beta-Defensin 2 Gene Copy Number Predisposes to Crohn Disease of the Colon. American Journal of Human Genetics, 2006, 79, 439-448.	6.2	487

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91	Disclosure of Candidate Genes in Acute Myeloid Leukemia With Complex Karyotypes Using Microarray-Based Molecular Characterization. Journal of Clinical Oncology, 2006, 24, 3887-3894.	1.6	141
92	Comprehensive genomic analysis of desmoplastic medulloblastomas: identification of novel amplified genes and separate evaluation of the different histological components. Journal of Pathology, 2006, 208, 554-563.	4.5	129
93	Recurrent coamplification of cytoskeletonâ€associated genes EMS1 and SHANK2 with CCND1 in oral squamous cell carcinoma. Genes Chromosomes and Cancer, 2006, 45, 118-125.	2.8	60
94	Isochromosome breakpoints on 17p in medulloblastoma are flanked by different classes of DNA sequence repeats. Genes Chromosomes and Cancer, 2006, 45, 401-410.	2.8	41
95	Frequent amplifications and abundant expression ofTRIO,NKD2, andIRX2 in soft tissue sarcomas. Genes Chromosomes and Cancer, 2006, 45, 829-838.	2.8	52
96	High-Resolution Genomic Profiling Reveals Association of Chromosomal Aberrations on 1q and 16p with Histologic and Genetic Subgroups of Invasive Breast Cancer. Clinical Cancer Research, 2006, 12, 345-352.	7.0	85
97	Identification of Gains on 1q and Epidermal Growth Factor Receptor Overexpression as Independent Prognostic Markers in Intracranial Ependymoma. Clinical Cancer Research, 2006, 12, 2070-2079.	7.0	212
98	Detection of chromosomal imbalances in retinoblastoma by matrixâ€based comparative genomic hybridization. Genes Chromosomes and Cancer, 2005, 43, 294-301.	2.8	101
99	Molecular classification of human gliomas using matrix-based comparative genomic hybridization. International Journal of Cancer, 2005, 117, 95-103.	5.1	36
100	Genomic and Protein Expression Profiling Identifies CDK6 As Novel Independent Prognostic Marker in Medulloblastoma. Journal of Clinical Oncology, 2005, 23, 8853-8862.	1.6	207
101	P42: High resolution genomic profiling reveals association ofÂchromosomal aberrations onÂ1q andÂ16p with histological andÂgenetic subgroups ofÂinvasive breast cancer. European Journal of Medical Genetics, 2005, 48, 506-507.	1.3	0
102	P45: Comprehensive genomic analysis ofÂdesmoplastic medulloblastomas reveals novel amplified genes andÂsupports aÂmonoclonal origin ofÂtheÂdifferent histologic components. European Journal of Medical Genetics, 2005, 48, 509.	1.3	0
103	Automated Screening for Genomic Imbalances in Multiple Myeloma Using Microarray-Based Comparative Genomic Hybridization (mCGH).. Blood, 2005, 106, 499-499.	1.4	0
104	Candidate genes in breast cancer revealed by microarray-based comparative genomic hybridization of archived tissue. Cancer Research, 2005, 65, 439-47.	0.9	98
105	Genomic DNA-Chip Hybridization Reveals a Higher Incidence of Genomic Amplifications in Pancreatic Cancer than Conventional Comparative Genomic Hybridization and Leads to the Identification of Novel Candidate Genes. Cancer Research, 2004, 64, 4428-4433.	0.9	140
106	Automated array-based genomic profiling in chronic lymphocytic leukemia: Development of a clinical tool and discovery of recurrent genomic alterations. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1039-1044.	7.1	221
107	Mutagenesis and reconstitution of middle-to-long-wave-sensitive visual pigments of New World monkeys for testing the tuning effect of residues at sites 229 and 233. Vision Research, 2004, 44, 2225-2231.	1.4	49
108	Genomic DNA-chip hybridization in t(11;14)-positive mantle cell lymphomas shows a high frequency of aberrations and allows a refined characterization of consensus regions. Blood, 2004, 104, 795-801.	1.4	121

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109	Characterization of Secondary Alterations in Mantle Cell Lymphomas Using Matrix-/Array CGH.. Blood, 2004, 104, 4349-4349.	1.4	0
110	Genomic and spectral analyses of long to middle wavelength-sensitive visual pigments of common marmoset (Callithrix jacchus). Gene, 2001, 269, 45-51.	2.2	34
111	Molecular genetics and the evolution of ultraviolet vision in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11731-11736.	7.1	147
112	Molecular evolution of color vision of zebra finch. Gene, 2000, 259, 17-24.	2.2	37
113	Ultraviolet pigments in birds evolved from violet pigments by a single amino acid change. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7366-7371.	7.1	121
114	Adaptive evolution of color vision of the Comoran coelacanth (Latimeria chalumnae). Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6279-6284.	7.1	147
115	Genetic analyses of the green visual pigments of rabbit (Oryctolagus cuniculus) and rat (Rattus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	36
116	Regeneration of ultraviolet pigments of vertebrates. FEBS Letters, 1998, 423, 155-158.	2.8	88
117	The "five-sites" rule and the evolution of red and green color vision in mammals. Molecular Biology and Evolution, 1998, 15, 560-567.	8.9	162
118	Cloning and expression of the red visual pigment gene of goat (Capra hircus). Gene, 1997, 198, 211-215.	2.2	15
119	Gilvocarcin V exhibits both equilibrium DNA binding and UV light induced DNA adduct formation which is sequence context dependent. Nucleic Acids Research, 1993, 21, 3920-3920.	14.5	4
120	Gilvocarcin V exhibits both equilibrium DNA binding and UV light induced DNA adduct formation which is sequence context dependent. Nucleic Acids Research, 1992, 20, 4553-4557.	14.5	22
121	Human papillomavirus in cervix carcinoma and condylomata acuminate-identification of HPV-DNA by improved dot-blot-hybridization. Clinical and Experimental Dermatology, 1992, 17, 392-396.	1.3	1
122	DNA dot-blot hybridization implicates human papillomavirus type 11-DNA in epithelioma cuniculatum. Journal of Medical Virology, 1989, 29, 33-37.	5.0	77