

William P J Leenders

List of Publications by Year in descending order

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120
papers

4,501
citations

71102

41
h-index

118850

62
g-index

123
all docs

123
docs citations

123
times ranked

6530
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioma: experimental models and reality. <i>Acta Neuropathologica</i> , 2017, 133, 263-282.	7.7	223
2	Antiangiogenic Therapy of Cerebral Melanoma Metastases Results in Sustained Tumor Progression via Vessel Co-Option. <i>Clinical Cancer Research</i> , 2004, 10, 6222-6230.	7.0	213
3	Concerns about anti-angiogenic treatment in patients with glioblastoma multiforme. <i>BMC Cancer</i> , 2009, 9, 444.	2.6	166
4	Vessel Co-Option: How Tumors Obtain Blood Supply in the Absence of Sprouting Angiogenesis. Endothelium: Journal of Endothelial Cell Research, 2002, 9, 83-87.	1.7	142
5	Vascular endothelial growth factor-A(165) induces progression of melanoma brain metastases without induction of sprouting angiogenesis. <i>Cancer Research</i> , 2002, 62, 341-5.	0.9	128
6	Radioprotection of <i>IDH1</i> -Mutated Cancer Cells by the <i>IDH1</i> -Mutant Inhibitor AGI-5198. <i>Cancer Research</i> , 2015, 75, 4790-4802.	0.9	127
7	The endogenous anti-angiogenic VEGF isoform, VEGF165b inhibits human tumour growth in mice. <i>British Journal of Cancer</i> , 2008, 98, 1250-1257.	6.4	120
8	Altered metabolic landscape in <i>IDH1</i> mutant gliomas affects phospholipid, energy, and oxidative stress pathways. <i>EMBO Molecular Medicine</i> , 2017, 9, 1681-1695.	6.9	111
9	Vascular Endothelial Growth Factor and Semaphorin Induce Neuropilin-1 Endocytosis via Separate Pathways. <i>Circulation Research</i> , 2008, 103, e71-9.	4.5	102
10	Antiangiogenic compounds interfere with chemotherapy of brain tumors due to vessel normalization. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 71-78.	4.1	98
11	PLEXIN-D1, a novel plexin family member, is expressed in vascular endothelium and the central nervous system during mouse embryogenesis. <i>Developmental Dynamics</i> , 2002, 225, 336-343.	1.8	88
12	Robotic injection of zebrafish embryos for high-throughput screening in disease models. <i>Methods</i> , 2013, 62, 246-254.	3.8	84
13	Hypoxia-Mediated Mechanisms Associated with Antiangiogenic Treatment Resistance in Glioblastomas. <i>American Journal of Pathology</i> , 2017, 187, 940-953.	3.8	80
14	Endonexin II, Present on Human Liver Plasma Membranes, Is a Specific Binding Protein of Small Hepatitis B Virus (HBV) Envelope Protein. <i>Virology</i> , 1993, 197, 549-557.	2.4	79
15	p120-catenin-dependent collective brain infiltration by glioma cell networks. <i>Nature Cell Biology</i> , 2020, 22, 97-107.	10.3	79
16	<i>IDH1</i> R132H Mutation Generates a Distinct Phospholipid Metabolite Profile in Glioma. <i>Cancer Research</i> , 2014, 74, 4898-4907.	0.9	78
17	Differential effects of vascular endothelial growth factor A isoforms in a mouse brain metastasis model of human melanoma. <i>Cancer Research</i> , 2003, 63, 5408-13.	0.9	72
18	Recapitulating in vivo-like plasticity of glioma cell invasion along blood vessels and in astrocyte-rich stroma. <i>Histochemistry and Cell Biology</i> , 2017, 148, 395-406.	1.7	70

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19	Effects of Dual Targeting of Tumor Cells and Stroma in Human Glioblastoma Xenografts with a Tyrosine Kinase Inhibitor against c-MET and VEGFR2. <i>PLoS ONE</i> , 2013, 8, e58262.	2.5	70
20	Phenotypic and Genotypic Characterization of Orthotopic Human Glioma Models and Its Relevance for the Study of Anti-glioma Therapy. <i>Brain Pathology</i> , 2008, 18, 423-433.	4.1	67
21	Circulating tumour tissue fragments in patients with pulmonary metastasis of clear cell renal cell carcinoma. <i>Journal of Pathology</i> , 2009, 219, 287-293.	4.5	67
22	Plexin D1 Expression Is Induced on Tumor Vasculature and Tumor Cells: A Novel Target for Diagnosis and Therapy?. <i>Cancer Research</i> , 2005, 65, 8317-8323.	0.9	63
23	Vascular endothelial growth factor-A determines detectability of experimental melanoma brain metastasis in GD-DTPA-enhanced MRI. <i>International Journal of Cancer</i> , 2003, 105, 437-443.	5.1	62
24	In silico gene expression analysis reveals glycolysis and acetate anaplerosis in IDH1 wild-type glioma and lactate and glutamate anaplerosis in IDH1-mutated glioma. <i>Oncotarget</i> , 2017, 8, 49165-49177.	1.8	61
25	Development of luciferase tagged brain tumour models in mice for chemotherapy intervention studies. <i>European Journal of Cancer</i> , 2006, 42, 3294-3303.	2.8	59
26	Specific imaging of VEGF expression with radiolabeled anti-VEGF monoclonal antibody. <i>International Journal of Cancer</i> , 2008, 122, 2310-2314.	5.1	59
27	Imaging liver metastases of colorectal cancer patients with radiolabelled bevacizumab: Lack of correlation with VEGF-A expression. <i>European Journal of Cancer</i> , 2008, 44, 1835-1840.	2.8	59
28	Vascular Endothelial Growth Factor in Systemic Capillary Leak Syndrome. <i>American Journal of Medicine</i> , 2009, 122, e5-e7.	1.5	57
29	Characterisation of tumour vasculature in mouse brain by USPIO contrast-enhanced MRI. <i>British Journal of Cancer</i> , 2008, 98, 1784-1789.	6.4	56
30	Increased mitochondrial activity in a novel IDH1-R132H mutant human oligodendroglioma xenograft model: in situ detection of 2-HG and α -KG. <i>Acta Neuropathologica Communications</i> , 2013, 1, 18.	5.2	54
31	Rapid and Robust Transgenic High-Grade Glioma Mouse Models for Therapy Intervention Studies. <i>Clinical Cancer Research</i> , 2010, 16, 3431-3441.	7.0	52
32	Targeted therapies of cancer: Angiogenesis inhibition seems not enough. <i>Cancer Letters</i> , 2010, 299, 1-10.	7.2	52
33	Magnetic resonance imaging-based detection of glial brain tumors in mice after antiangiogenic treatment. <i>International Journal of Cancer</i> , 2008, 122, 1981-1986.	5.1	51
34	Semaphorin 3E Expression Correlates Inversely with Plexin D1 During Tumor Progression. <i>American Journal of Pathology</i> , 2008, 173, 1873-1881.	3.8	48
35	Expression and clinical relevance of MET and ALK in Ewing sarcomas. <i>International Journal of Cancer</i> , 2013, 133, 427-436.	5.1	48
36	Micronodular transformation as a novel mechanism of VEGF-A-induced metastasis. <i>Oncogene</i> , 2007, 26, 5808-5815.	5.9	47

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37	¹¹¹ In-Bevacizumab Imaging of Renal Cell Cancer and Evaluation of Neoadjuvant Treatment with the Vascular Endothelial Growth Factor Receptor Inhibitor Sorafenib. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1707-1715.	5.0	47
38	Identification of a novel MET mutation in high-grade glioma resulting in an auto-active intracellular protein. <i>Acta Neuropathologica</i> , 2015, 130, 131-144.	7.7	43
39	Increased vascularization predicts favorable outcome in follicular lymphoma. <i>Clinical Cancer Research</i> , 2005, 11, 154-61.	7.0	43
40	Plexin D1 is ubiquitously expressed on tumor vessels and tumor cells in solid malignancies. <i>BMC Cancer</i> , 2009, 9, 297.	2.6	42
41	Synergism between temporally distinct growth factors: bFGF, insulin and lens cell differentiation. <i>Mechanisms of Development</i> , 1997, 67, 193-201.	1.7	41
42	Self-Assembling VHH-Elastin-Like Peptides for Photodynamic Nanomedicine. <i>Biomacromolecules</i> , 2017, 18, 1302-1310.	5.4	41
43	Glutamate as chemotactic fuel for diffuse glioma cells: Are they glutamate suckers?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 66-74.	7.4	39
44	Targeting Cyclin-Dependent Kinases in Synovial Sarcoma: Palbociclib as a Potential Treatment for Synovial Sarcoma Patients. <i>Annals of Surgical Oncology</i> , 2016, 23, 2745-2752.	1.5	36
45	Legomedicineâ€”A Versatile Chemo-Enzymatic Approach for the Preparation of Targeted Dual-Labeled Llama Antibodyâ€”Nanoparticle Conjugates. <i>Bioconjugate Chemistry</i> , 2017, 28, 539-548.	3.6	36
46	Binding of the major and large HBsAg to human hepatocytes and liver plasma membranes: Putative external and internal receptors for infection and secretion of hepatitis B virus. <i>Hepatology</i> , 1990, 12, 141-147.	7.3	34
47	Nanobody-Functionalized Polymersomes for Tumor-Vessel Targeting. <i>Macromolecular Bioscience</i> , 2013, 13, 938-945.	4.1	34
48	Isocitrate dehydrogenase 1â€”mutated human gliomas depend on lactate and glutamate to alleviate metabolic stress. <i>FASEB Journal</i> , 2019, 33, 557-571.	0.5	33
49	The effect of subcellular localization on the efficiency of EGFR-targeted VHH photosensitizer conjugates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 63-72.	4.3	32
50	The Importance of Wall Apposition in Flow Diverters. <i>Neurosurgery</i> , 2019, 84, 804-810.	1.1	32
51	Tyrosine Kinase Inhibitor Sorafenib Decreases ¹¹¹ In-Girentuximab Uptake in Patients with Clear Cell Renal Cell Carcinoma. <i>Journal of Nuclear Medicine</i> , 2014, 55, 242-247.	5.0	31
52	Effects of the Green Tea Polyphenol Epigallocatechin-3-Gallate on Glioma: A Critical Evaluation of the Literature. <i>Nutrition and Cancer</i> , 2018, 70, 317-333.	2.0	30
53	Monotherapy efficacy of bloodâ€”brain barrier permeable small molecule reactivators of protein phosphatase 2A in glioblastoma. <i>Brain Communications</i> , 2020, 2, fcaa002.	3.3	28
54	Intracellular and extracellular domains of protein tyrosine phosphatase PTPRZ-B differentially regulate glioma cell growth and motility. <i>Oncotarget</i> , 2014, 5, 8690-8702.	1.8	28

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55	Tumours can adapt to anti-angiogenic therapy depending on the stromal context: Lessons from endothelial cell biology. <i>European Journal of Cell Biology</i> , 2006, 85, 61-68.	3.6	27
56	Multivoxel 1H MR spectroscopy is superior to contrast-enhanced MRI for response assessment after anti-angiogenic treatment of orthotopic human glioma xenografts and provides handles for metabolic targeting. <i>Neuro-Oncology</i> , 2013, 15, 1615-1624.	1.2	27
57	Effects of targeting the VEGF and PDGF pathways in diffuse orthotopic glioma models. <i>Journal of Pathology</i> , 2011, 223, 626-634.	4.5	26
58	Targeting the extracellular matrix of ovarian cancer using functionalized, drug loaded lyophilisomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 113, 229-239.	4.3	26
59	Tumour control by whole brain irradiation of anti-VEGF-treated mice bearing intracerebral glioma. <i>European Journal of Cancer</i> , 2009, 45, 3074-3080.	2.8	25
60	Development of the tumor vascular bed in response to hypoxia-induced VEGF-A differs from that in tumors with constitutive VEGF-A expression. <i>International Journal of Cancer</i> , 2006, 119, 2054-2062.	5.1	24
61	Targetting VEGF in anti-angiogenic and anti-tumour therapy: Where are we now?. <i>International Journal of Experimental Pathology</i> , 2002, 79, 339-346.	1.3	23
62	Mutant IDH1 Differently Affects Redox State and Metabolism in Glial Cells of Normal and Tumor Origin. <i>Cancers</i> , 2019, 11, 2028.	3.7	23
63	Tumor cells in search for glutamate: an alternative explanation for increased invasiveness of IDH1 mutant gliomas. <i>Neuro-Oncology</i> , 2014, 16, 1669-1670.	1.2	22
64	Comprehensive protein tyrosine phosphatase mRNA profiling identifies new regulators in the progression of glioma. <i>Acta Neuropathologica Communications</i> , 2016, 4, 96.	5.2	22
65	A Conjugate of an Anti-epidermal Growth Factor Receptor (EGFR) VHH and a Cell-penetrating Peptide Drives Receptor Internalization and Blocks EGFR Activation. <i>ChemBioChem</i> , 2017, 18, 2390-2394.	2.6	22
66	GABA, glutamine, glutamate oxidation and succinic semialdehyde dehydrogenase expression in human gliomas. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 271.	8.6	22
67	Tumor Accumulation of Radiolabeled Bevacizumab due to Targeting of Cell- and Matrix-Associated VEGF-A Isoforms. <i>Cancer Biotherapy and Radiopharmaceutics</i> , 2009, 24, 195-200.	1.0	21
68	Proteinaceous Regulators and Inhibitors of Protein Tyrosine Phosphatases. <i>Molecules</i> , 2018, 23, 395.	3.8	21
69	ACLY (ATP Citrate Lyase) Mediates Radioresistance in Head and Neck Squamous Cell Carcinomas and is a Novel Predictive Radiotherapy Biomarker. <i>Cancers</i> , 2019, 11, 1971.	3.7	21
70	Effect of tyrosine kinase inhibitor treatment of renal cell carcinoma on the accumulation of carbonic anhydrase IX-specific chimeric monoclonal antibody cG250. <i>BJU International</i> , 2011, 107, 118-125.	2.5	20
71	Spontaneous development of anti-hepatitis B virus envelope (anti-idiotypic) antibodies in animals immunized with human liver endonexin II or with the F(ab') ₂ fragment of anti-human liver endonexin II immunoglobulin G: evidence for a receptor-ligand-like relationship between small hepatitis B surface antigen and endonexin II. <i>Journal of Virology</i> , 1994, 68, 1516-1521.	3.4	19
72	Design of a Variant of Vascular Endothelial Growth Factor-A (VEGF-A) Antagonizing KDR/Flk-1 and Flt-1. <i>Laboratory Investigation</i> , 2002, 82, 473-481.	3.7	18

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73	Neoadjuvant Sorafenib Treatment of Clear Cell Renal Cell Carcinoma and Release of Circulating Tumor Fragments. <i>Neoplasia</i> , 2014, 16, 221-228.	5.3	18
74	Isocitrate dehydrogenase 1-mutated cancers are sensitive to the green tea polyphenol epigallocatechin-3-gallate. <i>Cancer & Metabolism</i> , 2019, 7, 4.	5.0	18
75	Profiling of the metabolic transcriptome via single molecule molecular inversion probes. <i>Scientific Reports</i> , 2017, 7, 11402.	3.3	17
76	Molecular Profiling of Druggable Targets in Clear Cell Renal Cell Carcinoma Through Targeted RNA Sequencing. <i>Frontiers in Oncology</i> , 2019, 9, 117.	2.8	17
77	EpCAM-Binding DARPins for Targeted Photodynamic Therapy of Ovarian Cancer. <i>Cancers</i> , 2020, 12, 1762.	3.7	17
78	In vitro binding properties of the hepatitis delta antigens to the hepatitis B virus envelope proteins: potential significance for the formation of delta particles. <i>Virus Research</i> , 1994, 31, 27-37.	2.2	15
79	Imaging of HIV-Associated Kaposi Sarcoma; F-18-FDG-PET/CT and In-111-Bevacizumabscintigraphy. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2010, 54, 444-446.	2.1	15
80	Successful Combination of Sunitinib and Girentuximab in Two Renal Cell Carcinoma Animal Models: A Rationale for Combination Treatment of Patients with Advanced RCC. <i>Neoplasia</i> , 2015, 17, 215-224.	5.3	14
81	Isolation of targeting nanobodies against co-opted tumor vasculature. <i>Laboratory Investigation</i> , 2010, 90, 61-67.	3.7	13
82	Quantification and localization of oncogenic receptor tyrosine kinase variant transcripts using molecular inversion probes. <i>Scientific Reports</i> , 2018, 8, 7072.	3.3	13
83	Selective MET Kinase Inhibition in MET-Dependent Glioma Models Alters Gene Expression and Induces Tumor Plasticity. <i>Molecular Cancer Research</i> , 2017, 15, 1587-1597.	3.4	12
84	Vessel normalization by VEGF inhibition: a complex story. <i>Cancer Biology and Therapy</i> , 2008, 7, 1014-1016.	3.4	11
85	Identification of a novel inactivating mutation in Isocitrate Dehydrogenase 1 (IDH1-R314C) in a high grade astrocytoma. <i>Scientific Reports</i> , 2016, 6, 30486.	3.3	11
86	RNA-based high-risk HPV genotyping and identification of high-risk HPV transcriptional activity in cervical tissues. <i>Modern Pathology</i> , 2020, 33, 748-757.	5.5	11
87	<i>In vivo</i> phage display screening for tumor vascular targets in glioblastoma identifies a llama nanobody against dynactin-1-p150Glued. <i>Oncotarget</i> , 2016, 7, 71594-71607.	1.8	11
88	Novel high-resolution targeted sequencing of the cervicovaginal microbiome. <i>BMC Biology</i> , 2021, 19, 267.	3.8	11
89	Contrast Enhanced Susceptibility Weighted Imaging (CE-SWI) of the Mouse Brain Using Ultrasmall Superparamagnetic Ironoxide Particles (USPIO). <i>Zeitschrift Fur Medizinische Physik</i> , 2006, 16, 269-274.	1.5	10
90	Vascular endothelial growth factor receptor 2 inhibition in-vivo affects tumor vasculature in a tumor type-dependent way and downregulates vascular endothelial growth factor receptor 2 protein without a prominent role for miR-296. <i>Anti-Cancer Drugs</i> , 2012, 23, 161-172.	1.4	10

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91	In vivo activities of mutants of vascular endothelial growth factor (VEGF) with differential in vitro activities. <i>International Journal of Cancer</i> , 2001, 91, 327-333.	5.1	10
92	Flow diverter implantation in a rat model of sidewall aneurysm: a feasibility study. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 88-92.	3.3	9
93	Hepatitis B virus: specific binding and internalization of small HBsAg by human hepatocytes. <i>Journal of General Virology</i> , 1995, 76, 1047-1050.	2.9	8
94	Better effect of sorafenib on the rhabdoid component of a clear cell renal cell carcinoma owing to its higher level of vascular endothelial growth factor-A production. <i>Histopathology</i> , 2011, 59, 562-564.	2.9	8
95	Sprouting angiogenesis versus co-option in tumor angiogenesis. , 2005, , 65-76.		7
96	Host and tissue tropism of hepatitis B virus. <i>Liver</i> , 1992, 12, 51-55.	0.1	7
97	Mapping actionable pathways and mutations in brain tumours using targeted RNA next generation sequencing. <i>Acta Neuropathologica Communications</i> , 2019, 7, 185.	5.2	7
98	Characterization of Tumor Vasculature in Mouse Brain by USPIO Contrast-Enhanced MRI. <i>Methods in Molecular Biology</i> , 2011, 771, 477-487.	0.9	7
99	The role of PreS1 in the interaction of hepatitis B virus with human hepatocytes. <i>Hepatology</i> , 1991, 14, 405-406.	7.3	6
100	Mutants of Basic Fibroblast Growth Factor Identify Different Cellular Response Programs. <i>Growth Factors</i> , 1997, 14, 213-228.	1.7	6
101	Species specificity for HBsAg binding protein endonexin II. <i>Journal of Hepatology</i> , 1996, 24, 265-270.	3.7	5
102	Genotyping and Characterization of HPV Status, Hypoxia, and Radiosensitivity in 22 Head and Neck Cancer Cell Lines. <i>Cancers</i> , 2021, 13, 1069.	3.7	5
103	Effects of the IDH1 R132H Mutation on the Energy Metabolism: A Comparison between Tissue and Corresponding Primary Glioma Cell Cultures. <i>ACS Omega</i> , 2022, 7, 3568-3578.	3.5	5
104	Hepatitis B virus attaches to human hepatocytes via human liver endonexin II, a specific HBsAg binding protein. <i>Journal of Viral Hepatitis</i> , 1994, 1, 33-38.	2.0	4
105	In vivo activities of mutants of vascular endothelial growth factor (VEGF) with differential in vitro activities. <i>International Journal of Cancer</i> , 2001, 91, 327-333.	5.1	3
106	Targeted RNA next generation sequencing analysis of cervical smears can predict the presence of hrHPV-induced cervical lesions. <i>BMC Medicine</i> , 2022, 20, .	5.5	3
107	Pulmonary Lymphangitis Carcinomatosis of Clear Cell Renal Cell Carcinoma After Angiogenesis Inhibition. <i>Annals of Case Reports</i> , 0, , .	0.0	1
108	Transgenic mouse models of Idh-mutated neural stem cells: an appropriate model for low grade glioma?. <i>Translational Cancer Research</i> , 2016, 5, S1400-S1403.	1.0	1

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109	Abstract 431: IDH1-mutated gliomas rely on anaplerosis of glutamate and lactate whereas IDH1 wild-type gliomas rely on glycolysis and acetate anaplerosis. Cancer Research, 2017, 77, 431-431.	0.9	1
110	Cloning and Production of Functional Active Recombinant Hepatitis B Virus Surface Antigen Binding Protein. Biochemical and Biophysical Research Communications, 1994, 205, 52-59.	2.1	0
111	Vascular Endothelial Growth Factor and Semaphorin Induce Neuropilin-1 Endocytosis via Separate Pathways: Correction. Circulation Research, 2010, 107, .	4.5	0
112	Abstract 4187: A rapid and robust transgenic high-grade glioma mouse model for therapy-intervention studies. , 2010, , .		0
113	Glial Brain Tumors: Antiangiogenic Therapy. , 2011, , 109-119.		0
114	Plexins. , 2011, , 2927-2930.		0
115	Plexins. , 2014, , 1-4.		0
116	Plexins. , 2016, , 3624-3628.		0
117	Abstract LB-308: Effects of the IDH1 R132H mutation on redox status and metabolism are cell type dependent but independent from D-2-hydroxyglutarate accumulation. , 2016, , .		0
118	Abstract 2077: Selective MET kinase inhibition in MET-dependent glioma models. , 2017, , .		0
119	IDH1-mutated gliomas rely on anaplerosis of glutamate and lactate whereas IDH1 wild-type gliomas rely on glycolysis and acetate anaplerosis. FASEB Journal, 2018, 32, 677.8.	0.5	0
120	Plexins. , 2008, , 2373-2375.		0