Karl H Plate

List of Publications by Year
in descending order

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103 papers	17,950 citations	25014 57 h-index	39638 94 g-index
104 all docs	104 docs citations	104 times ranked	20784 citing authors

#	Article	IF	Citations
1	Linking epigenetic signature and metabolic phenotype in IDH mutant and IDH wildtype diffuse glioma. Neuropathology and Applied Neurobiology, 2021, 47, 379-393.	1.8	4
2	Influence of VEGF-A, VEGFR-1-3, and neuropilin 1-2 on progression-free: and overall survival in WHO grade II and III meningioma patients. Journal of Molecular Histology, 2021, 52, 233-243.	1.0	8
3	The immune suppressive microenvironment affects efficacy of radioâ€immunotherapy in brain metastasis. EMBO Molecular Medicine, 2021, 13, e13412.	3.3	26
4	DNA methylation-based prediction of response to immune checkpoint inhibition in metastatic melanoma. , 2021, 9, e002226.		26
5	OTME-6. Deep sequencing reveals heterogeneity of brain metastasis-associated macrophages and microglia and uncovers their cell type-specific functions within the tumor microenvironment. Neuro-Oncology Advances, 2021, 3, ii14-ii14.	0.4	1
6	Compensatory CSF2-driven macrophage activation promotes adaptive resistance to CSF1R inhibition in breast-to-brain metastasis. Nature Cancer, 2021, 2, 1086-1101.	5.7	39
7	HIF-1Î± is involved in bloodâ€“brain barrier dysfunction and paracellular migration of bacteria in pneumococcal meningitis. Acta Neuropathologica, 2020, 140, 183-208.	3.9	24
8	Tumor Vessel Normalization, Immunostimulatory Reprogramming, and Improved Survival in Glioblastoma with Combined Inhibition of PD-1, Angiopoietin-2, and VEGF. Cancer Immunology Research, 2019, 7, 1910-1927.	1.6	74
9	Controversial roles for dexamethasone in glioblastoma â€“ Opportunities for novel vascular targeting therapies. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1460-1468.	2.4	33
10	Lack of H3K27 trimethylation is associated with 1p/19q codeletion in diffuse gliomas. Acta Neuropathologica, 2019, 138, 331-334.	3.9	22
11	Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. Acta Neuropathologica, 2019, 137, 837-846.	3.9	43
12	Functional morphology of the bloodâ€“brain barrier in health and disease. Acta Neuropathologica, 2018, 135, 311-336.	3.9	543
13	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	13.7	1,872
14	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. Circulation, 2017, 136, 65-79.	1.6	196
15	Classification of meningiomasâ€”advances and controversies. Chinese Clinical Oncology, 2017, 6, S2-S2.	0.4	66
16	Endothelial cellâ€derived angiopoietinâ€2 is a therapeutic target in treatmentâ€naive and bevacizumabâ€resistant glioblastoma. EMBO Molecular Medicine, 2016, 8, 39-57.	3.3	140
17	Î²-Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. Journal of Neuroscience, 2016, 36, 8921-8935.	1.7	37
18	Brain invasion in otherwise benign meningiomas does not predict tumor recurrence. Acta Neuropathologica, 2016, 132, 479-481.	3.9	54

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19	Differential expression of vascular endothelial growth factor A, its receptors VEGFR-1, -2, and -3 and co-receptors neuropilin-1 and -2 does not predict bevacizumab response in human astrocytomas. Neuro-Oncology, 2016, 18, 173-183.	0.6	35
20	Angiopoietin-2-induced bloodâ€“brain barrier compromise and increased stroke size are rescued by VE-PTP-dependent restoration of Tie2 signaling. Acta Neuropathologica, 2016, 131, 753-773.	3.9	120
21	Decrease of VEGF-A in myeloid cells attenuates glioma progression and prolongs survival in an experimental glioma model. Neuro-Oncology, 2016, 18, 939-949.	0.6	38
22	ATP Synthase Deficiency due to TMEM70 Mutation Leads to Ultrastructural Mitochondrial Degeneration and Is Amenable to Treatment. BioMed Research International, 2015, 2015, 1-10.	0.9	10
23	<scp>MIF</scp> Receptor <scp>CD</scp>74 is Restricted to Microglia/Macrophages, Associated with a <scp>M</scp>1â€Polarized Immune Milieu and Prolonged Patient Survival in Gliomas. Brain Pathology, 2015, 25, 491-504.	2.1	90
24	Î²-Catenin-Gli1 interaction regulates proliferation and tumor growth in medulloblastoma. Molecular Cancer, 2015, 14, 17.	7.9	51
25	Extracellular vesicle-mediated transfer of functional RNA in the tumor microenvironment. OncoImmunology, 2015, 4, e1008371.	2.1	227
26	Angiopoietinâ€2: a multifaceted cytokine that functions in both angiogenesis and inflammation. Annals of the New York Academy of Sciences, 2015, 1347, 45-51.	1.8	180
27	The Angiopoietinâ€”Tie System: Common Signaling Pathways for Angiogenesis, Cancer, and Inflammation. , 2015, , 313-328.		12
28	Distribution and prognostic relevance of tumor-infiltrating lymphocytes (TILs) and PD-1/PD-L1 immune checkpoints in human brain metastases. Oncotarget, 2015, 6, 40836-40849.	0.8	106
29	Netrin-1 Expression Is an Independent Prognostic Factor for Poor Patient Survival in Brain Metastases. PLoS ONE, 2014, 9, e92311.	1.1	28
30	Analysis of Cerebral Angiogenesis in Human Glioblastomas. Methods in Molecular Biology, 2014, 1135, 187-203.	0.4	1
31	Extracellular Vesicle-Mediated Transfer of Genetic Information between the Hematopoietic System and the Brain in Response to Inflammation. PLoS Biology, 2014, 12, e1001874.	2.6	312
32	Generation of Neuronal Progenitor Cells in Response to Tumors in the Human Brain. Stem Cells, 2014, 32, 244-257.	1.4	12
33	Cerebral Angiogenesis During Development: Who Is Conducting the Orchestra?. Methods in Molecular Biology, 2014, 1135, 3-20.	0.4	28
34	Bone Marrow Chimera Experiments to Determine the Contribution of Hematopoietic Stem Cells to Cerebral Angiogenesis. Methods in Molecular Biology, 2014, 1135, 275-288.	0.4	6
35	Analysis of Angiogenesis in the Developing Mouse Central Nervous System. Methods in Molecular Biology, 2014, 1135, 55-68.	0.4	2
36	Brain homeostasis: VEGF receptor 1 and 2â€”two unequal brothers in mind. Cellular and Molecular Life Sciences, 2013, 70, 1705-1725.	2.4	44

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37	EGFL7 ligates Î±vÎ²3 integrin to enhance vessel formation. Blood, 2013, 121, 3041-3050.	0.6	62
38	Tumor angiogenesis and anti-angiogenic therapy in malignant gliomas revisited. Acta Neuropathologica, 2012, 124, 763-775.	3.9	226
39	Angiopoietin-1 mediates inhibition of hypertension-induced release of angiopoietin-2 from endothelial cells. Cardiovascular Research, 2012, 94, 510-518.	1.8	21
40	Endothelial Wnt/Î²-catenin signaling inhibits glioma angiogenesis and normalizes tumor blood vessels by inducing PDGF-B expression. Journal of Experimental Medicine, 2012, 209, 1611-1627.	4.2	127
41	Angiopoietin-2 promotes myeloid cell infiltration in a Î²2-integrinâ€“dependent manner. Blood, 2011, 118, 5050-5059.	0.6	81
42	Angiopoietin 2 Stimulates TIE2-Expressing Monocytes To Suppress T Cell Activation and To Promote Regulatory T Cell Expansion. Journal of Immunology, 2011, 186, 4183-4190.	0.4	185
43	VEGFR-1 Signaling Regulates the Homing of Bone Marrow-Derived Cells in a Mouse Stroke Model. Journal of Neuropathology and Experimental Neurology, 2010, 69, 168-175.	0.9	22
44	Differentiation of the brain vasculature: the answer came blowing by the Wnt. Journal of Angiogenesis Research, 2010, 2, 1.	2.9	117
45	Prolyl Hydroxylases 2 and 3 Act in Gliomas as Protective Negative Feedback Regulators of Hypoxia-Inducible Factors. Cancer Research, 2010, 70, 357-366.	0.4	104
46	Angiopoietin-2 Regulates Gene Expression in TIE2-Expressing Monocytes and Augments Their Inherent Proangiogenic Functions. Cancer Research, 2010, 70, 5270-5280.	0.4	299
47	Sonic Hedgehog Acts as a Negative Regulator of Î²-Catenin Signaling in the Adult Tongue Epithelium. American Journal of Pathology, 2010, 177, 404-414.	1.9	36
48	VEGFR-1 Regulates Adult Olfactory Bulb Neurogenesis and Migration of Neural Progenitors in the Rostral Migratory Stream In Vivo. Journal of Neuroscience, 2009, 29, 8704-8714.	1.7	101
49	Endothelial progenitor cells do not contribute to tumor endothelium in primary and metastatic tumors. International Journal of Cancer, 2009, 125, 1771-1777.	2.3	58
50	Angiogenesis after cerebral ischemia. Acta Neuropathologica, 2009, 117, 481-496.	3.9	333
51	Switching of vascular phenotypes within a murine breast cancer model induced by angiopoietinâ€2. Journal of Pathology, 2009, 217, 571-580.	2.1	44
52	Epidermal growth factor-like domain 7 (EGFL7) modulates Notch signalling and affects neural stem cell renewal. Nature Cell Biology, 2009, 11, 873-880.	4.6	132
53	Brain Tumor Stem Cells. Recent Results in Cancer Research, 2009, 171, 241-259.	1.8	3
54	Hypoxia and Angiogenesis in Glioblastomas. , 2008, , 195-214.		0

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55	Flt-1 Signaling in Macrophages Promotes Glioma Growth In vivo. Cancer Research, 2008, 68, 7342-7351.	0.4	144
56	Conditional expression of Angâ€2 during tumor angiogenesis: tightly balanced Angiopoietin/Tie2 signaling determines the tumor vascular phenotype. FASEB Journal, 2008, 22, 604-604.	0.2	0
57	Angiopoietin-2 Impairs Revascularization After Limb Ischemia. Circulation Research, 2007, 101, 88-96.	2.0	93
58	Different networks, common growth factors: shared growth factors and receptors of the vascular and the nervous system. Acta Neuropathologica, 2007, 113, 607-626.	3.9	103
59	Mechanisms of Angiogenesis in Brain Tumors and their Translation into Therapeutic Anti-tumor Strategies. , 2006, , 219-235.		0
60	Increased Generation of Neuronal Progenitors after Ischemic Injury in the Aged Adult Human Forebrain. Journal of Neuroscience, 2006, 26, 13114-13119.	1.7	252
61	Genetic evidence for a tumor suppressor role of HIF-2Î±. Cancer Cell, 2005, 8, 131-141.	7.7	174
62	The Role of Angiopoietins During Angiogenesis in Gliomas. Brain Pathology, 2005, 15, 311-317.	2.1	94
63	Inhibition of solid tumor growth by gene transfer of VEGF receptor-1 mutants. International Journal of Cancer, 2004, 111, 348-357.	2.3	48
64	Uncontrolled Expression of Vascular Endothelial Growth Factor and Its Receptors Leads to Insufficient Skin Angiogenesis in Patients With Systemic Sclerosis. Circulation Research, 2004, 95, 109-116.	2.0	276
65	Hypoxia and Hypoxia Inducible Factors (HIF) as Important Regulators of Tumor Physiology. Cancer Treatment and Research, 2004, 117, 219-248.	0.2	50
66	Angiopoietin-1 Promotes Tumor Angiogenesis in a Rat Glioma Model. American Journal of Pathology, 2004, 165, 1557-1570.	1.9	115
67	Direct Stimulation of Adult Neural Stem Cells In Vitro and Neurogenesis In Vivo by Vascular Endothelial Growth Factor. Brain Pathology, 2004, 14, 237-248.	2.1	319
68	Role of hypoxia in tumor angiogenesis?molecular and cellular angiogenic crosstalk. Cell and Tissue Research, 2003, 314, 145-155.	1.5	49
69	Participation of Bone Marrow-Derived Cells in Long-Term Repair Processes after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 709-717.	2.4	81
70	Minor Contribution of Bone Marrowâ€Derived Endothelial Progenitors to the Vascularization of Murine Gliomas. Brain Pathology, 2003, 13, 582-597.	2.1	97
71	Cell Type-Specific Expression of Neuropilins in an MCA-Occlusion Model in Mice Suggests a Potential Role in Post-Ischemic Brain Remodeling. Journal of Neuropathology and Experimental Neurology, 2002, 61, 339-350.	0.9	95
72	A role for hypoxia and hypoxia-inducible transcription factors in tumor physiology. Journal of Molecular Medicine, 2002, 80, 562-575.	1.7	80

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73	Cell type specific expression of vascular endothelial growth factor and angiopoietin-1 and -2 suggests an important role of astrocytes in cerebellar vascularization. Mechanisms of Development, 2001, 108, 45-57.	1.7	110
74	Differential inhibition of tumor angiogenesis by tie2 and vascular endothelial growth factor receptorâ€2 dominantâ€negative receptor mutants. International Journal of Cancer, 2001, 91, 273-282.	2.3	78
75	Synergism between vascular endothelial growth factor and placental growth factor contributes to angiogenesis and plasma extravasation in pathological conditions. Nature Medicine, 2001, 7, 575-583.	15.2	1,484
76	Deletion of the hypoxia-response element in the vascular endothelial growth factor promoter causes motor neuron degeneration. Nature Genetics, 2001, 28, 131-138.	9.4	967
77	Vascular Endothelial Growth Factor-driven Glioma Growth and Vascularization in an Orthotopic Rat Model Monitored by Magnetic Resonance Imaging. Neurosurgery, 2000, 47, 921-930.	0.6	34
78	Up-regulation of hypoxia-inducible factors HIF-1Î± and HIF-2Î± under normoxic conditions in renal carcinoma cells by von Hippel-Lindau tumor suppressor gene loss of function. Oncogene, 2000, 19, 5435-5443.	2.6	348
79	Expression of Angiopoietin-1, Angiopoietin-2, and Tie Receptors after Middle Cerebral Artery Occlusion in the Rat. American Journal of Pathology, 2000, 157, 1473-1483.	1.9	197
80	Vascular Endothelial Growth Factor Expression, Vascular Volume, and Capillary Permeability in Human Brain Tumors. Neurosurgery, 1999, 44, 732-740.	0.6	105
81	Mechanisms of Angiogenesis in the Brain. Journal of Neuropathology and Experimental Neurology, 1999, 58, 313-320.	0.9	314
82	Antiangiogenic Gene Therapy in a Rat Glioma Model Using a Dominant-Negative Vascular Endothelial Growth Factor Receptor 2. Human Gene Therapy, 1999, 10, 1117-1128.	1.4	78
83	Vascularization of human glioma spheroids implanted into rat cortex is conferred by two distinct mechanisms. Journal of Neuroscience Research, 1999, 55, 486-495.	1.3	38
84	Expression and localization of placenta growth factor and PlGF receptors in human meningiomas. , 1999, 189, 66-71.		73
85	Cell Type Specific Upregulation of Vascular Endothelial Growth Factor in an MCA-occlusion Model of Cerebral Infarct. Journal of Neuropathology and Experimental Neurology, 1999, 58, 654-666.	0.9	221
86	Upregulation of vascular endothelial growth factor in severe chronic brain hypoxia of the rat. Neuroscience Letters, 1998, 252, 199-202.	1.0	28
87	Up-Regulation of Vascular Endothelial Growth Factor in Stromal Cells of Hemangioblastomas Is Correlated with Up-Regulation of the Transcription Factor HRF/HIF-2Î±. American Journal of Pathology, 1998, 153, 25-29.	1.9	105
88	Cell Type-Specific Expression of Angiopoietin-1 and Angiopoietin-2 Suggests a Role in Glioblastoma Angiogenesis. American Journal of Pathology, 1998, 153, 1459-1466.	1.9	433
89	Coexpression of Erythropoietin and Vascular Endothelial Growth Factor in Nervous System Tumors Associated With von Hippel-Lindau Tumor Suppressor Gene Loss of Function. Blood, 1998, 92, 3388-3393.	0.6	124
90	Control of Tumor Growth Via Inhibition of Tumor Angiogenesis. Advances in Experimental Medicine and Biology, 1998, 451, 57-61.	0.8	9

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91	Coexpression of Erythropoietin and Vascular Endothelial Growth Factor in Nervous System Tumors Associated With von Hippel-Lindau Tumor Suppressor Gene Loss of Function. Blood, 1998, 92, 3388-3393.	0.6	9
92	The Role of Vascular Endothelial Growth Factor in Tumor Angiogenesis. , 1998, , 305-318.		0
93	Putative Control of Angiogenesis in Hemangioblastomas by the von Hippel-Lindau Tumor Suppressor Gene. Journal of Neuropathology and Experimental Neurology, 1997, 56, 1242-1252.	0.9	67
94	Vascular endothelial growth factor. , 1997, 35, 363-370.		60
95	Anti-Angiogenic Gene Therapy of Malignant Glioma. , 1997, 68, 105-110.		23
96	Mutations in the VHL tumor suppressor gene and associated lesions in families with von Hippel-Lindau disease from central Europe. Human Genetics, 1996, 98, 271-280.	1.8	102
97	Gene therapy of malignant glioma via inhibition of tumor angiogenesis. Cancer and Metastasis Reviews, 1996, 15, 237-240.	2.7	26
98	Angiogenesis in malignant gliomas. Glia, 1995, 15, 339-347.	2.5	315
99	Molecular Mechanisms of Developmental and Tumor Angiogenesis. Brain Pathology, 1994, 4, 207-218.	2.1	217
100	Vascular endothelial growth factor and glioma angiogenesis: Coordinate induction of VEGF receptors, distribution of VEGF protein and possibleIn vivo regulatory mechanisms. International Journal of Cancer, 1994, 59, 520-529.	2.3	429
101	Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant. Nature, 1994, 367, 576-579.	13.7	1,188
102	Neuropathological findings in 224 patients with temporal lobe epilepsy. Acta Neuropathologica, 1993, 86, 433-8.	3.9	68
103	Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo. Nature, 1992, 359, 845-848.	13.7	2,168