

# Johan M Kros

## List of Publications by Year in descending order

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101  
papers

6,567  
citations

87843

38  
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69214

77  
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102  
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102  
docs citations

102  
times ranked

9627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intertumoral Heterogeneity within Medulloblastoma Subgroups. <i>Cancer Cell</i> , 2017, 31, 737-754.e6.	7.7	836
2	Diagnosis and treatment of brain metastases from solid tumors: guidelines from the European Association of Neuro-Oncology (EANO). <i>Neuro-Oncology</i> , 2017, 19, 162-174.	0.6	381
3	cIMPACT-NOW update 6: new entity and diagnostic principle recommendations of the cIMPACT-NOW meeting on future CNS tumor classification and grading. <i>Brain Pathology</i> , 2020, 30, 844-856.	2.1	363
4	cIMPACT-NOW update 5: recommended grading criteria and terminologies for IDH-mutant astrocytomas. <i>Acta Neuropathologica</i> , 2020, 139, 603-608.	3.9	344
5	Interim results from the CATNON trial (EORTC study 26053-22054) of treatment with concurrent and adjuvant temozolomide for 1p/19q non-co-deleted anaplastic glioma: a phase 3, randomised, open-label intergroup study. <i>Lancet, The</i> , 2017, 390, 1645-1653.	6.3	307
6	Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. <i>Lancet Oncology, The</i> , 2016, 17, 484-495.	5.1	274
7	Human USP18 deficiency underlies type 1 interferonopathy leading to severe pseudo-TORCH syndrome. <i>Journal of Experimental Medicine</i> , 2016, 213, 1163-1174.	4.2	224
8	The impact of surgery in molecularly defined low-grade glioma: an integrated clinical, radiological, and molecular analysis. <i>Neuro-Oncology</i> , 2018, 20, 103-112.	0.6	220
9	Panel Review of Anaplastic Oligodendroglioma From European Organization for Research and Treatment of Cancer Trial 26951. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 545-551.	0.9	143
10	Molecular classification of anaplastic oligodendroglioma using next-generation sequencing: a report of the prospective randomized EORTC Brain Tumor Group 26951 phase III trial. <i>Neuro-Oncology</i> , 2016, 18, 388-400.	0.6	143
11	Diffuse Infiltrating Oligodendroglioma and Astrocytoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 2394-2401.	0.8	142
12	Approved CAR T cell therapies: ice bucket challenges on glaring safety risks and long-term impacts. <i>Drug Discovery Today</i> , 2018, 23, 1175-1182.	3.2	142
13	Survival of diffuse astrocytic glioma, IDH1/2 wildtype, with molecular features of glioblastoma, WHO grade IV: a confirmation of the cIMPACT-NOW criteria. <i>Neuro-Oncology</i> , 2020, 22, 515-523.	0.6	140
14	Changes in the EGFR amplification and EGFRvIII expression between paired primary and recurrent glioblastomas. <i>Neuro-Oncology</i> , 2015, 17, 935-941.	0.6	136
15	Adjuvant and concurrent temozolomide for 1p/19q non-co-deleted anaplastic glioma (CATNON; EORTC Tj ETQq1 1 0.784314 rgBT /Oncology, The, 2021, 22, 813-823.	5.1	132
16	Recurrent noncoding U1 snRNA mutations drive cryptic splicing in SHH medulloblastoma. <i>Nature</i> , 2019, 574, 707-711.	13.7	129
17	The contribution of tumor-associated macrophages in glioma neo-angiogenesis and implications for anti-angiogenic strategies. <i>Neuro-Oncology</i> , 2017, 19, 1435-1446.	0.6	121
18	A clinical perspective on the 2016 WHO brain tumor classification and routine molecular diagnostics. <i>Neuro-Oncology</i> , 2017, 19, 614-624.	0.6	100

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19	Identification of Tumor-Related Proteins by Proteomic Analysis of Cerebrospinal Fluid from Patients with Primary Brain Tumors. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003, 62, 855-862.	0.9	98
20	Molecular and clinical heterogeneity of adult diffuse low-grade IDH wild-type gliomas: assessment of TERT promoter mutation and chromosome 7 and 10 copy number status allows superior prognostic stratification. <i>Acta Neuropathologica</i> , 2017, 134, 957-959.	3.9	87
21	Heterogeneity within the PF-EPN-B ependymoma subgroup. <i>Acta Neuropathologica</i> , 2018, 136, 227-237.	3.9	86
22	Glut1/SLC2A1 is crucial for the development of the blood-brain barrier in vivo. <i>Annals of Neurology</i> , 2010, 68, 835-844.	2.8	84
23	Molecular Evolution of IDH Wild-Type Glioblastomas Treated With Standard of Care Affects Survival and Design of Precision Medicine Trials: A Report From the EORTC 1542 Study. <i>Journal of Clinical Oncology</i> , 2020, 38, 81-99.	0.8	84
24	Identification of relevant prognostic histopathologic features in 69 intracranial ependymomas, excluding myxopapillary ependymomas and subependymomas. <i>Cancer</i> , 2006, 106, 388-395.	2.0	83
25	Bevacizumab and temozolomide in patients with first recurrence of WHO grade II and III glioma, without 1p/19q co-deletion (TAVAREC): a randomised controlled phase 2 EORTC trial. <i>Lancet Oncology</i> , 2018, 19, 1170-1179.	5.1	80
26	Circulating glioma biomarkers. <i>Neuro-Oncology</i> , 2015, 17, 343-60.	0.6	73
27	Breast cancer brain metastasis: molecular mechanisms and directions for treatment. <i>Neuro-Oncology</i> , 2018, 20, 1439-1449.	0.6	66
28	Diagnostic Detection of Allelic Losses and Imbalances by Next-Generation Sequencing. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 775-786.	1.2	64
29	T lymphocytes facilitate brain metastasis of breast cancer by inducing Guanylate-Binding Protein 1 expression. <i>Acta Neuropathologica</i> , 2018, 135, 581-599.	3.9	63
30	Expression site of P2RY12 in residential microglial cells in astrocytomas correlates with M1 and M2 marker expression and tumor grade. <i>Acta Neuropathologica Communications</i> , 2017, 5, 4.	2.4	61
31	CMTM4 regulates angiogenesis by promoting cell surface recycling of VE-cadherin to endothelial adherens junctions. <i>Angiogenesis</i> , 2019, 22, 75-93.	3.7	61
32	Increased levels of circulating endothelial progenitor cells and circulating endothelial nitric oxide synthase in patients with gliomas. <i>Annals of Neurology</i> , 2007, 62, 40-48.	2.8	59
33	Predictive molecular markers in metastases to the central nervous system: recent advances and future avenues. <i>Acta Neuropathologica</i> , 2014, 128, 879-891.	3.9	54
34	In Vitro Head-to-Head Comparison Between Octreotide and Pasireotide in GH-Secreting Pituitary Adenomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2009-2018.	1.8	54
35	Grading of Gliomas: The Road From Eminence to Evidence. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 101-109.	0.9	51
36	Breakthroughs in modern cancer therapy and elusive cardiotoxicity: Critical research-practice gaps, challenges, and insights. <i>Medicinal Research Reviews</i> , 2018, 38, 325-376.	5.0	50

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37	The transcriptional landscape of Shh medulloblastoma. <i>Nature Communications</i> , 2021, 12, 1749.	5.8	47
38	Activation of CECR1 in M2-like TAMs promotes paracrine stimulation-mediated glial tumor progression. <i>Neuro-Oncology</i> , 2017, 19, now251.	0.6	44
39	Low-grade glioma harbors few CD8 T cells, which is accompanied by decreased expression of chemo-attractants, not immunogenic antigens. <i>Scientific Reports</i> , 2019, 9, 14643.	1.6	44
40	A Proteome Comparison Between Physiological Angiogenesis and Angiogenesis in Glioblastoma. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.008466.	2.5	41
41	Improving the characterization of endothelial progenitor cell subsets by an optimized FACS protocol. <i>PLoS ONE</i> , 2017, 12, e0184895.	1.1	41
42	Cross-Species Genomics Reveals Oncogenic Dependencies in ZFTA/C11orf95 Fusion-Positive Supratentorial Ependymomas. <i>Cancer Discovery</i> , 2021, 11, 2230-2247.	7.7	39
43	Clinical evaluation of a dedicated next generation sequencing panel for routine glioma diagnostics. <i>Acta Neuropathologica Communications</i> , 2018, 6, 126.	2.4	38
44	Prognostic significance of genome-wide DNA methylation profiles within the randomized, phase 3, EORTC CATNON trial on non-1p/19q deleted anaplastic glioma. <i>Neuro-Oncology</i> , 2021, 23, 1547-1559.	0.6	34
45	Subgroup and subtype-specific outcomes in adult medulloblastoma. <i>Acta Neuropathologica</i> , 2021, 142, 859-871.	3.9	34
46	A unified 3D map of microscopic architecture and MRI of the human brain. <i>Science Advances</i> , 2022, 8, eabj7892.	4.7	33
47	Non-IDH1-R132H IDH1/2 mutations are associated with increased DNA methylation and improved survival in astrocytomas, compared to IDH1-R132H mutations. <i>Acta Neuropathologica</i> , 2021, 141, 945-957.	3.9	32
48	Differential expression of Hela-type caldesmon in tumour neovascularization: a new marker of angiogenic endothelial cells. <i>Journal of Pathology</i> , 2005, 205, 408-414.	2.1	30
49	Contemporary frameless intracranial biopsy techniques: Might variation in safety and efficacy be expected?. <i>Acta Neurochirurgica</i> , 2015, 157, 2011-2016.	0.9	30
50	CMTM3 (CKLF-Like Marvel Transmembrane Domain 3) Mediates Angiogenesis by Regulating Cell Surface Availability of VE-Cadherin in Endothelial Adherens Junctions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1098-1114.	1.1	30
51	Myocarditis in patients with subarachnoid hemorrhage: A histopathologic study. <i>Journal of Critical Care</i> , 2016, 32, 196-200.	1.0	28
52	Temozolomide and Radiotherapy versus Radiotherapy Alone in Patients with Glioblastoma, IDH-wildtype: Post Hoc Analysis of the EORTC Randomized Phase III CATNON Trial. <i>Clinical Cancer Research</i> , 2022, 28, 2527-2535.	3.2	27
53	TMX2 Is a Crucial Regulator of Cellular Redox State, and Its Dysfunction Causes Severe Brain Developmental Abnormalities. <i>American Journal of Human Genetics</i> , 2019, 105, 1126-1147.	2.6	25
54	Prognostic relevance of mutations and copy number alterations assessed with targeted next generation sequencing in IDH mutant grade II glioma. <i>Journal of Neuro-Oncology</i> , 2018, 139, 349-357.	1.4	24

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55	Joint Final Report of EORTC 26951 and RTOG 9402: Phase III Trials With Procarbazine, Lomustine, and Vincristine Chemotherapy for Anaplastic Oligodendroglial Tumors. <i>Journal of Clinical Oncology</i> , 2022, 40, 2539-2545.	0.8	23
56	The Association Between the Extent of Glioblastoma Resection and Survival in Light of MGMT Promoter Methylation in 326 Patients With Newly Diagnosed IDH-Wildtype Glioblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 1087.	1.3	22
57	Mutation specific functions of EGFR result in a mutation-specific downstream pathway activation. <i>European Journal of Cancer</i> , 2015, 51, 893-903.	1.3	21
58	Evidence-Based Diagnostic Algorithm for Glioma: Analysis of the Results of Pathology Panel Review and Molecular Parameters of EORTC 26951 and 26882 Trials. <i>Journal of Clinical Oncology</i> , 2015, 33, 1943-1950.	0.8	21
59	Periostin Is Expressed by Pericytes and Is Crucial for Angiogenesis in Glioma. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 863-872.	0.9	20
60	Dopamine D2 receptor expression in the corticotroph cells of the human normal pituitary gland. <i>Endocrine</i> , 2017, 57, 314-325.	1.1	19
61	Long-term follow-up results of EORTC 26951: A randomized phase III study on adjuvant PCV chemotherapy in anaplastic oligodendroglial tumors (AOD).. <i>Journal of Clinical Oncology</i> , 2012, 30, 2-2.	0.8	19
62	Analysis of immunoglobulin H gene rearrangement by polymerase chain reaction in primary central nervous system lymphoma. <i>Journal of Neurosurgery</i> , 2002, 97, 1390-1396.	0.9	18
63	Comparative proteomic analysis of cat eye syndrome critical region protein 1- function in tumor-associated macrophages and immune response regulation of glial tumors. <i>Oncotarget</i> , 2018, 9, 33500-33514.	0.8	18
64	Pregnancy Zone Protein is Increased in the Alzheimer's Disease Brain and Associates with Senile Plaques. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 227-238.	1.2	17
65	Cell proliferation and migration are mutually exclusive cellular phenomena in vivo: Implications for cancer therapeutic strategies. <i>Cell Cycle</i> , 2009, 8, 950-951.	1.3	15
66	Potential Molecular Signatures Predictive of Lung Cancer Brain Metastasis. <i>Frontiers in Oncology</i> , 2018, 8, 159.	1.3	15
67	Fast Tracking of Co-localization of Multiple Markers by Using the Nanozoomer Slide Scanner and NDPViewer. <i>Journal of Cellular Physiology</i> , 2014, 229, 967-973.	2.0	14
68	Expression Sites of Colligin 2 in Glioma Blood Vessels. <i>Brain Pathology</i> , 2010, 20, 50-65.	2.1	13
69	Topographical Mapping of 436 Newly Diagnosed IDH Wildtype Glioblastoma With vs. Without MGMT Promoter Methylation. <i>Frontiers in Oncology</i> , 2020, 10, 596.	1.3	13
70	Mapping tumour heterogeneity with pulsed 3D CEST MRI in non-enhancing glioma at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 53-62.	1.1	13
71	Peptide profiling of cerebrospinal fluid by mass spectrometry. <i>Expert Review of Proteomics</i> , 2006, 3, 297-309.	1.3	12
72	Medulloblastoma has a global impact on health related quality of life: Findings from an international cohort. <i>Cancer Medicine</i> , 2020, 9, 447-459.	1.3	11

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73	Mutations targeting the coagulation pathway are enriched in brain metastases. <i>Scientific Reports</i> , 2017, 7, 6573.	1.6	10
74	Intratumoral Distribution of 1p Loss in Oligodendroglial Tumors. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 1118-1123.	0.9	9
75	Flow cytometry shows added value in diagnosing lymphoma in brain biopsies. <i>Cytometry Part B - Clinical Cytometry</i> , 2018, 94, 928-934.	0.7	9
76	Differences in spatial distribution between WHO 2016 low-grade glioma molecular subgroups. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz001.	0.4	9
77	Elusive Neurotoxicity in T Cell-Boosting Anticancer Therapies. <i>Trends in Immunology</i> , 2019, 40, 274-278.	2.9	7
78	DNA-nanorobot-guided thrombin-inducing tumor infarction: raising new potential clinical concerns. <i>Drug Discovery Today</i> , 2020, 25, 951-955.	3.2	7
79	Intratumoral, not circulating, endothelial progenitor cells share genetic aberrations with glial tumor cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 1383-1390.	2.0	6
80	A Method to Correlate mRNA Expression Datasets Obtained from Fresh Frozen and Formalin-Fixed, Paraffin-Embedded Tissue Samples: A Matter of Thresholds. <i>PLoS ONE</i> , 2015, 10, e0144097.	1.1	6
81	Phosphorylation Ratio Determination in Fresh-Frozen and Formalin-Fixed Paraffin-Embedded Tissue with Targeted Mass Spectrometry. <i>Journal of Proteome Research</i> , 2020, 19, 4179-4190.	1.8	6
82	Case report: a fatal combination of hemophagocytic lymphohistiocytosis with extensive pulmonary microvascular damage in COVID-19 pneumonia. <i>Journal of Hematopathology</i> , 2021, 14, 79-83.	0.2	6
83	Long-term follow-up results of EORTC 26951: A randomized phase III study on adjuvant PCV chemotherapy in anaplastic oligodendroglial tumors (AOD).. <i>Journal of Clinical Oncology</i> , 2012, 30, 2-2.	0.8	6
84	Circulating Proangiogenic Cells and Proteins in Patients with Glioma and Acute Myocardial Infarction: Differences in Neovascularization between Neoplasia and Tissue Regeneration. <i>Journal of Oncology</i> , 2019, 2019, 1-13.	0.6	5
85	Immune-Related Circulating miR-125b-5p and miR-99a-5p Reveal a High Recurrence Risk Group of Pancreatic Cancer Patients after Tumor Resection. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4784.	1.3	4
86	Differential Expression of BOC, SPOCK2, and GJD3 Is Associated with Brain Metastasis of ER-Negative Breast Cancers. <i>Cancers</i> , 2021, 13, 2982.	1.7	4
87	Haemoglobin staining for in vivo portraying of functional vasculature in experimental zebrafish embryos. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 823-824.	1.0	3
88	Circulating angiogenic cells in glioblastoma: toward defining crucial functional differences in CAC-induced neoplastic versus reactive neovascularization. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa040.	0.4	3
89	Prognostic Significance of DNA Methylation Profiles at MRI Enhancing Tumor Recurrence: a Report from the EORTC 26091 TAVAREC Trial. <i>Clinical Cancer Research</i> , 2022, 28, 2440-2448.	3.2	3
90	Novel Antibodyâ€“Peptide Binding Assay Indicates Presence of Immunoglobulins against EGFR Phospho-Site S1166 in High-Grade Glioma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5061.	1.8	2

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91	Circulation status of subintestinal vessels is a sensitive parameter for monitoring suboptimal systemic circulation in experimental zebrafish embryos. <i>Cell Cycle</i> , 2009, 8, 3782-3783.	1.3	1
92	Challenge of the gap between the current mania of cancer stem cells and the therapeutic strategy for patients with cancer. <i>International Journal of Cancer</i> , 2010, 126, 1529-1530.	2.3	1
93	Glioblastoma Multiforme. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 260.2-260.	0.9	0
94	AT-34 CONSTRUCTION OF AN INTEGRATED DIAGNOSTIC ALGORITHM CONSISTING OF CONSENSUS HISTOLOGIC AND MOLECULAR PARAMETERS OF TWO EORTC TRIALS ON ANAPLASTIC GLIOMA. <i>Neuro-Oncology</i> , 2014, 16, v16-v16.	0.6	0
95	IMMU-02. PROTEOMIC ANALYSIS IDENTIFIED CECR1 MEDIATED RESPONSE IN MACROPHAGE AND TUMOR ASSOCIATED MACROPHAGE. <i>Neuro-Oncology</i> , 2018, 20, i98-i99.	0.6	0
96	NIMG-75. WHO 2016 GRADE II GLIOMA MOLECULAR SUBTYPES HAVE A DISTINCT SPATIAL DISTRIBUTION PATTERN. <i>Neuro-Oncology</i> , 2018, 20, vi192-vi192.	0.6	0
97	HGG-04. PERICYTE-DERIVED PERIOSTIN IS CRUCIAL FOR NEO-VESSEL FORMATION IN GLIOMA. <i>Neuro-Oncology</i> , 2018, 20, i89-i89.	0.6	0
98	BSCI-25. THE ROLE OF THE IFN $\gamma$ PATHWAY IN BREAST CANCER BRAIN METASTASIS FORMATION. <i>Neuro-Oncology Advances</i> , 2019, 1, i5-i5.	0.4	0
99	EPEN-10. UNRAVELLING THE TUMOR IMMUNE MICROENVIRONMENT OF POSTERIOR FOSSA A EPENDYMOMAS ON RNA AND PROTEIN EXPRESSION LEVELS. <i>Neuro-Oncology</i> , 2021, 23, i15-i15.	0.6	0
100	Panel review of a set of anaplastic oligodendroglioma of EORTC trial 26951: interobserver variation, correlation with 1p/19q loss and clinical outcome. <i>FASEB Journal</i> , 2007, 21, A26.	0.2	0
101	Cerebral Metastasis of Common Cancers. <i>Cancers</i> , 2021, 13, 65.	1.7	0