

# Jakob Matschke

## List of Publications by Year in descending order

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Version: 2024-02-01

120  
papers

4,553  
citations

159585

30  
h-index

118850

62  
g-index

134  
all docs

134  
docs citations

134  
times ranked

7426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropathology of patients with COVID-19 in Germany: a post-mortem case series. <i>Lancet Neurology</i> , The, 2020, 19, 919-929.	10.2	957
2	Hematogenous dissemination of glioblastoma multiforme. <i>Science Translational Medicine</i> , 2014, 6, 247ra101.	12.4	264
3	Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. <i>Immunity</i> , 2021, 54, 1594-1610.e11.	14.3	210
4	Evidence for Susceptibility to Malignant Hyperthermia in Patients with Exercise-induced Rhabdomyolysis. <i>Anesthesiology</i> , 2001, 94, 95-100.	2.5	200
5	Allelic Losses at 1p, 9q, 10q, 14q, and 22q in the Progression of Aggressive Meningiomas and Undifferentiated Meningeal Sarcomas. <i>Cancer Genetics and Cytogenetics</i> , 1999, 110, 103-110.	1.0	144
6	The blood-brain barrier is dysregulated in COVID-19 and serves as a CNS entry route for SARS-CoV-2. <i>Stem Cell Reports</i> , 2022, 17, 307-320.	4.8	138
7	Autoantibodies against $\beta$ -amyloid are common in Alzheimer's disease and help control plaque burden. <i>Annals of Neurology</i> , 2009, 65, 24-31.	5.3	119
8	Molecular characterization of long-term survivors of glioblastoma using genome- and transcriptome-wide profiling. <i>International Journal of Cancer</i> , 2014, 135, 1822-1831.	5.1	117
9	Immunophenotyping of Newly Diagnosed and Recurrent Glioblastoma Defines Distinct Immune Exhaustion Profiles in Peripheral and Tumor-infiltrating Lymphocytes. <i>Clinical Cancer Research</i> , 2018, 24, 4187-4200.	7.0	114
10	Hypoxia and oxygenation induce a metabolic switch between pentose phosphate pathway and glycolysis in glioma stem-like cells. <i>Acta Neuropathologica</i> , 2013, 126, 763-780.	7.7	106
11	High molecular mass assemblies of amyloid- $\beta$ oligomers bind prion protein in patients with Alzheimer's disease. <i>Brain</i> , 2014, 137, 873-886.	7.6	96
12	Validation and utilization of amended diagnostic criteria in Creutzfeldt-Jakob disease surveillance. <i>Neurology</i> , 2018, 91, e331-e338.	1.1	84
13	Complement 3+ astrocytes are highly abundant in prion diseases, but their abolishment led to an accelerated disease course and early dysregulation of microglia. <i>Acta Neuropathologica Communications</i> , 2019, 7, 83.	5.2	84
14	Cytogenetics of extramedullary manifestations in multiple myeloma. <i>British Journal of Haematology</i> , 2013, 161, 87-94.	2.5	81
15	Central role of JC virus-specific CD4+ lymphocytes in progressive multi-focal leucoencephalopathy-immune reconstitution inflammatory syndrome. <i>Brain</i> , 2011, 134, 2687-2702.	7.6	78
16	Deposition of Hyperphosphorylated Tau in Cerebellum of PS1 E280A Alzheimer's Disease. <i>Brain Pathology</i> , 2011, 21, 452-463.	4.1	65
17	Frequent Genetic Alterations in EGFR- and HER2-Driven Pathways in Breast Cancer Brain Metastases. <i>American Journal of Pathology</i> , 2013, 183, 83-95.	3.8	63
18	DNA methylation, transcriptome and genetic copy number signatures of diffuse cerebral WHO grade II/III gliomas resolve cancer heterogeneity and development. <i>Acta Neuropathologica Communications</i> , 2019, 7, 59.	5.2	62

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19	Shaken Baby Syndrome. Deutsches A&#x0308;rzteblatt International, 2009, 106, 211-7.	0.9	60
20	Clonality of circulating tumor cells in breast cancer brain metastasis patients. Breast Cancer Research, 2019, 21, 101.	5.0	54
21	Blister-like aneurysmsâ€™ a diagnostic and therapeutic challenge. Neurosurgical Review, 2011, 34, 409-416.	2.4	53
22	Association between Deposition of Beta-Amyloid and Pathological Prion Protein in Sporadic Creutzfeldt-Jakob Disease. Neurodegenerative Diseases, 2008, 5, 347-354.	1.4	50
23	Nonaccidental Head Injury Is the Most Common Cause of Subdural Bleeding in Infants &lt;1 Year of Age. Pediatrics, 2009, 124, 1587-1594.	2.1	50
24	Ocular pathology in shaken baby syndrome and other forms of infantile non-accidental head injury. International Journal of Legal Medicine, 2009, 123, 189-197.	2.2	50
25	Subtypes of primary angiitis of the CNS identified by MRI patterns reflect the size of affected vessels. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 749-755.	1.9	38
26	Skin and soft tissue artifacts due to postmortem damage caused by rodents. Forensic Science International, 1999, 104, 47-57.	2.2	36
27	Encephalopathy and death in infants with abusive head trauma is due to hypoxic-ischemic injury following local brain trauma to vital brainstem centers. International Journal of Legal Medicine, 2015, 129, 105-114.	2.2	36
28	ALCAM contributes to brain metastasis formation in non-small-cell lung cancer through interaction with the vascular endothelium. Neuro-Oncology, 2020, 22, 955-966.	1.2	36
29	PTEN mediates the cross talk between breast and glial cells in brain metastases leading to rapid disease progression. Oncotarget, 2017, 8, 6155-6168.	1.8	35
30	Loss of CADM1 expression is associated with poor prognosis and brain metastasis in breast cancer patients. Oncotarget, 2014, 5, 3076-3087.	1.8	35
31	First report from the German COVID-19 autopsy registry. Lancet Regional Health - Europe, The, 2022, 15, 100330.	5.6	33
32	Sudden unexpected death due to undiagnosed glioblastoma. International Journal of Legal Medicine, 2005, 119, 280-284.	2.2	29
33	Diagnostic red flags: steroidâ€™treated malignant CNS lymphoma mimicking autoimmune inflammatory demyelination. Brain Pathology, 2018, 28, 225-233.	4.1	28
34	Prospective postmortem evaluation of 735 consecutive SARS-CoV-2-associated death cases. Scientific Reports, 2021, 11, 19342.	3.3	28
35	Dementia and leukoencephalopathy due to lymphomatosis cerebri. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 78, 777-778.	1.9	27
36	Signal intensity in T2â€™ magnetic resonance imaging is related to brain glioma grade. European Radiology, 2011, 21, 1068-1076.	4.5	27

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37	Inhibition of intracerebral glioblastoma growth by targeting the insulin-like growth factor 1 receptor involves different context-dependent mechanisms. <i>Neuro-Oncology</i> , 2015, 17, 1076-1085.	1.2	27
38	Immune Activation in Amyloid- $\beta^2$ -Related Angiitis Correlates with Decreased Parenchymal Amyloid- $\beta^2$ Plaque Load. <i>Neurodegenerative Diseases</i> , 2014, 13, 38-44.	1.4	26
39	CD74 and CD44 Expression on CTCs in Cancer Patients with Brain Metastasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6993.	4.1	26
40	Molecular profiling of an osseous metastasis in glioblastoma during checkpoint inhibition: potential mechanisms of immune escape. <i>Acta Neuropathologica Communications</i> , 2020, 8, 28.	5.2	24
41	Understanding the natural variability of prion diseases. <i>Vaccine</i> , 2007, 25, 5631-5636.	3.8	23
42	Human Borna disease virus 1 (BoDV-1) encephalitis cases in the north and east of Germany. <i>Emerging Microbes and Infections</i> , 2022, 11, 6-13.	6.5	23
43	Seizures as presenting symptom in patients with glioblastoma. <i>Epilepsia</i> , 2019, 60, 149-154.	5.1	22
44	Printed peptide arrays identify prognostic TNC serumantibodies in glioblastoma patients. <i>Oncotarget</i> , 2015, 6, 13579-13590.	1.8	21
45	The secreted glycolytic enzyme GPI/AMF stimulates glioblastoma cell migration and invasion in an autocrine fashion but can have anti-proliferative effects. <i>Neuro-Oncology</i> , 2018, 20, 1594-1605.	1.2	21
46	Neuroradiologic Characteristics of Primary Angiitis of the Central Nervous System According to the Affected Vessel Size. <i>Clinical Neuroradiology</i> , 2019, 29, 37-44.	1.9	21
47	Aromatase Expression in the Hippocampus of AD Patients and 5xFAD Mice. <i>Neural Plasticity</i> , 2016, 2016, 1-11.	2.2	20
48	Alterations in the brain interactome of the intrinsically disordered N-terminal domain of the cellular prion protein (PrPC) in Alzheimer's disease. <i>PLoS ONE</i> , 2018, 13, e0197659.	2.5	20
49	FASN Is a Biomarker Enriched in Malignant Glioma-Derived Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1931.	4.1	20
50	Tissue culture of human neurocytomas induces the expression of glial fibrillary acidic protein. <i>Journal of Neurocytology</i> , 1998, 27, 805-816.	1.5	19
51	Age-related appearance of dendritic inclusions in catecholaminergic brainstem neurons. <i>Neurobiology of Aging</i> , 2013, 34, 286-297.	3.1	19
52	Impact of focal cortical dysplasia Type IIIa on seizure outcome following anterior mesial temporal lobe resection for the treatment of epilepsy. <i>Journal of Neurosurgery</i> , 2018, 128, 1668-1673.	1.6	19
53	Non-secreting pituitary tumours characterised by enhanced expression of YAP/TAZ. <i>Endocrine-Related Cancer</i> , 2019, 26, 215-225.	3.1	19
54	Amyloid- $\beta^2$ Precursor Protein Modulates the Sorting of Testican-1 and Contributes to Its Accumulation in Brain Tissue and Cerebrospinal Fluid from Patients with Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 903-916.	1.7	18

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55	Similar incidences of TP53 deletions in extramedullary organ infiltrations, soft tissue and osteolyses of patients with multiple myeloma. <i>Anticancer Research</i> , 2012, 32, 2031-4.	1.1	18
56	Relapse rates and long-term outcome in primary angitis of the central nervous system. <i>Journal of Neurology</i> , 2019, 266, 1481-1489.	3.6	17
57	Plasma levels of neuron specific enolase quantify the extent of neuronal injury in murine models of ischemic stroke and multiple sclerosis. <i>Neurobiology of Disease</i> , 2013, 59, 177-182.	4.4	16
58	Rheumatoid meningitis. <i>Neurology: Clinical Practice</i> , 2018, 8, 451-455.	1.6	16
59	The role of frameless stereotactic biopsy in contemporary neuro-oncology: molecular specifications and diagnostic yield in biopsied glioma patients. <i>Journal of Neuro-Oncology</i> , 2019, 141, 183-194.	2.9	16
60	Landscape of Tâ€cell repertoires with public COVIDâ€19â€associated Tâ€cell receptors in preâ€pandemic risk cohorts. <i>Clinical and Translational Immunology</i> , 2021, 10, e1340.	3.8	16
61	Long-term vestibulocochlear functional outcome following retro-sigmoid approach to resection of vestibular schwannoma. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 719-725.	1.6	15
62	Prion protein oligomers cause neuronal cytoskeletal damage in rapidly progressive Alzheimerâ€™s disease. <i>Molecular Neurodegeneration</i> , 2021, 16, 11.	10.8	15
63	GFAP positivity in neurons following traumatic brain injuries. <i>International Journal of Legal Medicine</i> , 2021, 135, 2323-2333.	2.2	15
64	Surgical treatment and outcome of TSH-producing pituitary adenomas. <i>Acta Neurochirurgica</i> , 2017, 159, 1219-1226.	1.7	14
65	Neuropathology associated with SARS-CoV-2 infection. <i>Lancet, The</i> , 2021, 397, 276.	13.7	13
66	Sudden Death Due to Central Alveolar Hypoventilation Syndrome (Ondine's Curse) in a 39-Year-Old Woman With Heterotopia of the Inferior Olive. <i>American Journal of Forensic Medicine and Pathology</i> , 2007, 28, 141-144.	0.8	12
67	Secretory Meningiomas: Increased Prevalence of Seizures Secondary to Edema Formation in a Rare Histologic Subtype. <i>World Neurosurgery</i> , 2016, 92, 418-425.	1.3	12
68	Pituicytomaâ€”An outlook on possible targeted therapies. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 620-626.	3.9	12
69	Tectal gliomas: assessment of malignant progression, clinical management, and quality of life in a supposedly benign neoplasm. <i>Neurosurgical Focus</i> , 2018, 44, E15.	2.3	12
70	Sudden Death Resulting from Epidermoid Cyst of the Brain. <i>American Journal of Forensic Medicine and Pathology</i> , 2002, 23, 368-370.	0.8	11
71	Intracranial Arteriovenous Malformations Presenting as Sudden Unexpected Death. <i>American Journal of Forensic Medicine and Pathology</i> , 2007, 28, 173-176.	0.8	11
72	Role of HYAL1 expression in primary breast cancer in the formation of brain metastases. <i>Breast Cancer Research and Treatment</i> , 2017, 162, 427-438.	2.5	10

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73	Telomerase reverse transcriptase promoter mutation and O6-methylguanine DNA methyltransferase promoter methylation-mediated sensitivity to temozolomide in isocitrate dehydrogenase wild-type glioblastoma: is there a link?. <i>European Journal of Cancer</i> , 2021, 147, 84-94.	2.8	10
74	Ataxia and HIV: Clinicopathologic Correlations in a Case of HIV-Associated Cerebellar Leukoencephalopathy. <i>Cerebellum</i> , 2012, 11, 816-819.	2.5	9
75	Fatal PCR-negative herpes simplex virus-1 encephalitis with GABAA receptor antibodies. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2019, 6, e624.	6.0	8
76	Differential expression of stem cell markers in proliferating cells in glioma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 2969-2982.	2.5	8
77	Expression of doublecortin in tumours of the central and peripheral nervous system and in human non-neuronal tissues. <i>Acta Neuropathologica</i> , 2006, 111, 247-254.	7.7	7
78	A significant proportion of patients with primary central nervous system lymphoma harbor clonal bone marrow B-cells. <i>Leukemia and Lymphoma</i> , 2019, 60, 334-340.	1.3	7
79	Genome-wide DNA methylation profiles distinguish silent from non-silent ACTH adenomas. <i>Acta Neuropathologica</i> , 2020, 140, 95-97.	7.7	7
80	Young COVID-19 Patients Show a Higher Degree of Microglial Activation When Compared to Controls. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	7
81	NOVEMBER 2004: INTRADURAL MASS OF THE CAUDA EQUINA IN A WOMAN IN HER EARLY 60S. <i>Brain Pathology</i> , 2005, 15, 169-170.	4.1	6
82	Unexplained Loss of Vision in a Child: Consider Bilateral Primary Optic Nerve Sheath Meningioma. <i>Neuropediatrics</i> , 2014, 45, 321-324.	0.6	6
83	Shaken baby syndrome and forensic pathology. <i>Forensic Science, Medicine, and Pathology</i> , 2014, 10, 251-252.	1.4	6
84	Early-onset parkinsonism due to compound heterozygous POLG mutations. <i>Parkinsonism and Related Disorders</i> , 2016, 29, 135-137.	2.2	6
85	Transcriptional Alterations in X-Linked Dystonia Parkinsonism Caused by the SVA Retrotransposon. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2231.	4.1	6
86	Meningiomas of the Craniocervical Junction A Distinctive Subgroup of Meningiomas. <i>PLoS ONE</i> , 2016, 11, e0153405.	2.5	5
87	Secretory Meningiomas. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 181-187.	1.7	5
88	Real-life analysis of 280 patients with surgically treated acromegaly: a single-center experience from 2008 to 2015. <i>Neurosurgical Focus</i> , 2020, 48, E9.	2.3	5
89	Differences in somatostatin receptor subtype expression in patients with acromegaly: new directions for targeted therapy?. <i>Hormones</i> , 2022, 21, 79-89.	1.9	5
90	Extensive cerebral metastases from neuroendocrine carcinoma of the prostate. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2004, 444, 202-203.	2.8	4

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91	No difference in the prevalence of Alzheimer-type neurodegenerative changes in the brains of suicides when compared with controls: an explorative neuropathologic study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 509-517.	3.2	4
92	Distinctive low epidermal nerve fiber density in schwannomatosis patients provides a major parameter for diagnosis and differential diagnosis. <i>Brain Pathology</i> , 2020, 30, 386-391.	4.1	4
93	Sexual Activity as a Risk Factor for the Spontaneous Rupture of Cerebral Aneurysms. <i>American Journal of Forensic Medicine and Pathology</i> , 2016, 37, 70-73.	0.8	3
94	Does usage of a parachute in contrast to free fall prevent major trauma?: a prospective randomised-controlled trial in rag dolls. <i>European Spine Journal</i> , 2016, 25, 1349-1354.	2.2	3
95	Distinct microglia profile in Creutzfeldtâ€“Jakob disease and Alzheimer's disease is independent of disease kinetics. <i>Neuropathology</i> , 2018, 38, 591-600.	1.2	3
96	Cerebellar heterotopia of infancy in sudden infant death syndrome: an observational neuropathological study of four cases. <i>International Journal of Legal Medicine</i> , 2020, 134, 2143-2147.	2.2	3
97	The Blood-Brain Barrier is Dysregulated in COVID-19 and Serves as a CNS Entry Route for SARS-CoV-2. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
98	Sudden Death in a 35-Year-Old Man with Occult Malformation of the Brain and Aseptic Meningitis. <i>American Journal of Forensic Medicine and Pathology</i> , 2003, 24, 83-86.	0.8	2
99	Fatal Ischemic Stroke Due to Dissecting Aneurysm of the Intracranial Arteries Presenting as Sudden Unexpected Death in Childhood. <i>American Journal of Forensic Medicine and Pathology</i> , 2010, 31, 364-369.	0.8	2
100	Unilaterally Enlarged Mandibular Foramina and Canal Associated With Hyperplastic Lymphatic Tissue of Inferior Alveolar Nerve: Case Report and Short Literature Survey. <i>Anticancer Research</i> , 2019, 39, 3991-4002.	1.1	2
101	Treating sarcoidosis-associated progressive multifocal leukoencephalopathy with infliximab. <i>Brain Communications</i> , 2022, 4, fcab292.	3.3	2
102	A 19â€“Yearâ€“Old Male with an Intraventricular Tumor. <i>Brain Pathology</i> , 2015, 25, 657-658.	4.1	1
103	Wounded glioma with fatal outcome: A report on biopsy of anaplastic glioma in two patients. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 19, 100554.	0.3	1
104	Surgical Treatment and outcome of TSH-producing pituitary adenoma. <i>Endocrine Abstracts</i> , 0, , .	0.0	1
105	NeuroCOVID: Insights into Neuroinvasion and Pathophysiology. <i>Clinical and Translational Neuroscience</i> , 2022, 6, 10.	0.9	1
106	56â€“YEAR OLD WOMAN WITH SPHENOID WING TUMOR. <i>Brain Pathology</i> , 2011, 21, 225-228.	4.1	0
107	MOLECULAR GENETIC DETERMINANTS OF LONG-TERM SURVIVAL WITH GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2014, 16, iii46-iii47.	1.2	0
108	BI-25 * CIRCULATING TUMOR CELLS IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2014, 16, v28-v29.	1.2	0

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109	A 55-Year-Old Woman with Year-Long Headache and Dizziness. <i>Brain Pathology</i> , 2017, 27, 111-112.	4.1	0
110	CBMT-12. FATTY ACID SYNTHASE POSITIVE EVs AS NOVEL BIOMARKERS IN BRAIN CANCER.. <i>Neuro-Oncology</i> , 2018, 20, vi34-vi35.	1.2	0
111	Deep Spatial Profiling of COVID-19 Brains Reveals Neuroinflammation by Compartmentalized Local Immune Cell Interactions and Targets for Intervention. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
112	Shaken Baby Syndrome—A Common Variant of Nonaccidental Head Injury in Infants: In reply. <i>Deutsches A&amp;#x0308;rztblatt International</i> , 0, , .	0.9	0
113	Abstract 46: Loss of CADM1 expression is associated with poor prognosis and brain metastasis in breast cancer patients. , 2014, , .		0
114	Abstract P6-16-09: SPARC expression in brain metastases of breast cancer patients. , 2015, , .		0
115	Abstract P6-17-06: Relevance of the hyaluronidase-1 (HYAL1) in brain metastasis formation of breast cancer patients. , 2016, , .		0
116	Pituicytoma: a neuropathological analysis of 10 samples. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
117	Abstract 1571: PTEN is an important mediator of tumor and glia cell crosstalk in breast cancer brain metastasis. <i>Cancer Research</i> , 2016, 76, 1571-1571.	0.9	0
118	No reactivation of JCV and CMV infections in the temporal cortex and cerebellum of sporadic Creutzfeldt-Jakob disease patients. <i>American Journal of Neurodegenerative Disease</i> , 2014, 3, 152-7.	0.1	0
119	BIOM-59. TERT PROMOTER MUTATION AND MGMT PROMOTER METHYLATION-MEDIATED SENSITIVITY TO TEMOZOLOMIDE IN IDH-WILDTYPE GLIOBLASTOMA: IS THERE A LINK?. <i>Neuro-Oncology</i> , 2020, 22, ii14-ii14.	1.2	0
120	Autosomal dominantly inherited myopathy likely caused by the <i>TNNT1</i> variant p.(Asp65Ala). <i>Human Mutation</i> , 2022, 43, 1224-1233.	2.5	0