

JÃ¼rgen Hench

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7125638/publications.pdf>

Version: 2024-02-01

81
papers

6,188
citations

172457

29
h-index

95266

68
g-index

92
all docs

92
docs citations

92
times ranked

10997
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018, 555, 469-474.	27.8	1,872
2	Brain homogenates from human tauopathies induce tau inclusions in mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9535-9540.	7.1	648
3	Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes. <i>Nature Neuroscience</i> , 2019, 22, 1099-1109.	14.8	604
4	Regulation of <i>C. elegans</i> DAF-16 and its human ortholog FKHRL1 by the daf-2 insulin-like signaling pathway. <i>Current Biology</i> , 2001, 11, 1950-1957.	3.9	459
5	Sarcoma classification by DNA methylation profiling. <i>Nature Communications</i> , 2021, 12, 498.	12.8	237
6	IDH/MGMT-driven molecular classification of low-grade glioma is a strong predictor for long-term survival. <i>Neuro-Oncology</i> , 2013, 15, 469-479.	1.2	158
7	Invited review: Prion-like transmission and spreading of tau pathology. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 47-58.	3.2	130
8	Correlates of critical illness-related encephalopathy predominate postmortem COVID-19 neuropathology. <i>Acta Neuropathologica</i> , 2020, 140, 583-586.	7.7	117
9	Peripheral administration of tau aggregates triggers intracerebral tauopathy in transgenic mice. <i>Acta Neuropathologica</i> , 2014, 127, 299-301.	7.7	116
10	Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. <i>Acta Neuropathologica</i> , 2019, 138, 1053-1074.	7.7	106
11	Mitochondrial DNA level, but not active replicase, is essential for <i>Caenorhabditis elegans</i> development. <i>Nucleic Acids Research</i> , 2009, 37, 1817-1828.	14.5	100
12	Liquid Biopsy in Clinical Management of Breast, Lung, and Colorectal Cancer. <i>Frontiers in Medicine</i> , 2018, 5, 9.	2.6	96
13	Synaptic dysfunction, memory deficits and hippocampal atrophy due to ablation of mitochondrial fission in adult forebrain neurons. <i>Cell Death and Differentiation</i> , 2016, 23, 18-28.	11.2	94
14	Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. <i>Journal of Clinical Oncology</i> , 2021, 39, 3839-3852.	1.6	93
15	Hunting coronavirus by transmission electron microscopy – A guide to SARS-CoV-2-associated ultrastructural pathology in COVID-19 tissues. <i>Histopathology</i> , 2021, 78, 358-370.	2.9	90
16	The small GTPase Arf1 modulates mitochondrial morphology and function. <i>EMBO Journal</i> , 2014, 33, 2659-2675.	7.8	81
17	A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of <i>EGFR</i> . <i>Neuro-Oncology</i> , 2021, 23, 34-43.	1.2	75
18	Neuronal Mitochondrial Dysfunction Activates the Integrated Stress Response to Induce Fibroblast Growth Factor 21. <i>Cell Reports</i> , 2018, 24, 1407-1414.	6.4	72

#	ARTICLE	IF	CITATIONS
19	Extending two-dimensional histology into the third dimension through conventional micro computed tomography. <i>NeuroImage</i> , 2016, 139, 26-36.	4.2	69
20	Cerebral vasculitis mimicking intracranial metastatic progression of lung cancer during PD-1 blockade. , 2017, 5, 46.		64
21	Impaired complex IV activity in response to loss of LRPPRC function can be compensated by mitochondrial hyperfusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2967-76.	7.1	63
22	Tomographic brain imaging with nucleolar detail and automatic cell counting. <i>Scientific Reports</i> , 2016, 6, 32156.	3.3	57
23	Hard X-Ray Nanoholotomography: Large-Scale, Label-Free, 3D Neuroimaging beyond Optical Limit. <i>Advanced Science</i> , 2018, 5, 1700694.	11.2	45
24	Exome sequencing of fetal anomaly syndromes: novel phenotype-genotype discoveries. <i>European Journal of Human Genetics</i> , 2019, 27, 730-737.	2.8	44
25	Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. <i>Acta Neuropathologica</i> , 2019, 137, 837-846.	7.7	43
26	Targeting immunoliposomes to EGFR-positive glioblastoma. <i>ESMO Open</i> , 2022, 7, 100365.	4.5	42
27	CHCHD2 accumulates in distressed mitochondria and facilitates oligomerization of CHCHD10. <i>Human Molecular Genetics</i> , 2018, 27, 3881-3900.	2.9	38
28	Supratentorial ependymoma in childhood: more than just RELA or YAP. <i>Acta Neuropathologica</i> , 2021, 141, 455-466.	7.7	37
29	Spatio-temporal reference model of <i>Caenorhabditis elegans</i> embryogenesis with cell contact maps. <i>Developmental Biology</i> , 2009, 333, 1-13.	2.0	34
30	The Homeobox Genes of <i>Caenorhabditis elegans</i> and Insights into Their Spatio-Temporal Expression Dynamics during Embryogenesis. <i>PLoS ONE</i> , 2015, 10, e0126947.	2.5	31
31	Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. <i>Acta Neuropathologica</i> , 2021, 141, 281-290.	7.7	31
32	Succinate Dehydrogenase Upregulation Destabilize Complex I and Limits the Lifespan of gas-1 Mutant. <i>PLoS ONE</i> , 2013, 8, e59493.	2.5	31
33	<i>Caenorhabditis elegans</i> as a model system for mtDNA replication defects. <i>Methods</i> , 2010, 51, 437-443.	3.8	28
34	Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. <i>Acta Neuropathologica</i> , 2021, 142, 179-189.	7.7	24
35	Diagnosis of adult-onset MELAS syndrome in a 63-year-old patient with suspected recurrent strokes - a case report. <i>BMC Neurology</i> , 2019, 19, 91.	1.8	23
36	Sar1, a Novel Regulator of ER-Mitochondrial Contact Sites. <i>PLoS ONE</i> , 2016, 11, e0154280.	2.5	22

#	ARTICLE	IF	CITATIONS
37	Cerebral Corpora amylacea are dense membranous labyrinths containing structurally preserved cell organelles. <i>Scientific Reports</i> , 2018, 8, 18046.	3.3	21
38	Rapid-CNS2: rapid comprehensive adaptive nanopore-sequencing of CNS tumors, a proof-of-concept study. <i>Acta Neuropathologica</i> , 2022, 143, 609-612.	7.7	19
39	Analysis of AR/ARV7 Expression in Isolated Circulating Tumor Cells of Patients with Metastatic Castration-Resistant Prostate Cancer (SAKK 08/14 IMPROVE Trial). <i>Cancers</i> , 2019, 11, 1099.	3.7	18
40	Endrov: an integrated platform for image analysis. <i>Nature Methods</i> , 2013, 10, 454-456.	19.0	15
41	A Tissue-Specific Approach to the Analysis of Metabolic Changes in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011, 6, e28417.	2.5	15
42	Novel valosin containing protein mutation in a Swiss family with hereditary inclusion body myopathy and dementia. <i>Neuromuscular Disorders</i> , 2013, 23, 149-154.	0.6	11
43	Effect of carnitine, acetyl-, and propionylcarnitine supplementation on the body carnitine pool, skeletal muscle composition, and physical performance in mice. <i>European Journal of Nutrition</i> , 2014, 53, 1313-1325.	3.9	11
44	NUT midline carcinomas and their differentials by a single molecular profiling method: a new promising diagnostic strategy illustrated by a case report. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 478, 1007-1012.	2.8	11
45	Comprehensive profiling of myxopapillary ependymomas identifies a distinct molecular subtype with relapsing disease. <i>Neuro-Oncology</i> , 2022, 24, 1689-1699.	1.2	11
46	Frontoethmoidal Osteoma with Secondary Intradural Mucocele Extension Causing Frontal Lobe Syndrome and Pneumocephalus: Case Report and Review of Literature. <i>World Neurosurgery</i> , 2018, 115, 301-308.	1.3	10
47	Nivolumab in chemotherapy-resistant cervical cancer: report of a vulvitis as a novel immune-related adverse event and molecular analysis of a persistent complete response. , 2019, 7, 281.		10
48	Spinal imaging in intracranial primary pleomorphic xanthoastrocytoma with anaplastic features. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1299-1301.	1.5	9
49	Immune-mediated necrotising myopathy linked to statin use. <i>Lancet, The</i> , 2015, 386, e26.	13.7	9
50	Posterior fossa pilocytic astrocytomas with oligodendroglial features show frequent FGFR1 activation via fusion or mutation. <i>Acta Neuropathologica</i> , 2020, 139, 403-406.	7.7	9
51	Evaluation of MGMT gene methylation in neuroendocrine neoplasms. <i>Oncology Research</i> , 2021, , .	1.5	9
52	Larotrectinib Response in NTRK3 Fusion-Driven Diffuse High-Grade Glioma. <i>Pharmacology</i> , 2022, 107, 433-438.	2.2	9
53	Rhabdoid Large Cell Carcinoma of Lung, With Illustrative Immunohistochemical and Molecular Findings. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2012, 20, 208-213.	1.2	8
54	Satisfying your neuro-oncologist: a fast approach to routine molecular glioma diagnostics. <i>Neuro-Oncology</i> , 2018, 20, 1682-1683.	1.2	8

#	ARTICLE	IF	CITATIONS
55	Methylation and copy number profiling: emerging tools to differentiate osteblastoma from malignant mimics?. <i>Modern Pathology</i> , 2022, 35, 1204-1211.	5.5	8
56	Fetal Polydactyly. <i>Journal of Ultrasound in Medicine</i> , 2011, 30, 1021-1029.	1.7	6
57	Granulomatous encephalitis: protothecosis excluded?. <i>Histopathology</i> , 2016, 69, 1082-1084.	2.9	5
58	Hard X-ray Nano-Holotomography of Formalin-Fixated and Paraffin-Embedded Human Brain Tissue. <i>Microscopy and Microanalysis</i> , 2018, 24, 354-355.	0.4	5
59	Differentiation of rare brain tumors through unsupervised machine learning: Clinical significance of in-depth methylation and copy number profiling illustrated through an unusual case of IDH wildtype glioblastoma. , 2021, 40, 17-24.		5
60	Exercise-induced myalgia and rhabdomyolysis in a patient with the rare m.3243A>T mtDNA mutation. <i>BMJ Case Reports</i> , 2012, 2012, bcr2012006980-bcr2012006980.	0.5	5
61	An Integrated Epigenomic and Genomic View on Phyllodes and Phyllodes-like Breast Tumors. <i>Cancers</i> , 2022, 14, 667.	3.7	5
62	X-ray micro-tomography for investigations of brain tissues on cellular level. , 2016, , .		3
63	Hymenolepis nana. <i>Medicine (United States)</i> , 2017, 96, e9146.	1.0	3
64	Integrated Analysis Of Immunotherapy Treated Clear Cell Renal Cell Carcinomas: An Exploratory Study. <i>Journal of Immunotherapy</i> , 2022, 45, 35-42.	2.4	3
65	Amyloid-Î² in the Cerebrospinal Fluid of APP Transgenic Mice Does not Show Prion-like Properties. <i>Current Alzheimer Research</i> , 2015, 12, 886-891.	1.4	3
66	High SOX9 Maintains Glioma Stem Cell Activity through a Regulatory Loop Involving STAT3 and PML. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4511.	4.1	3
67	Fast routine assessment of MGMT promoter methylation. <i>Neuro-Oncology Advances</i> , 2021, 3, vdaa170.	0.7	2
68	Cancer in children with biallelic <i>BRCA1</i> variants and Fanconi anemia-like features: Report of a malignant brain tumor in a young child. <i>Pediatric Blood and Cancer</i> , 2022, 69, e29680.	1.5	2
69	Mitochondrial cytopathy with common MELAS mutation presenting as multiple system atrophy mimic. <i>Neurology: Genetics</i> , 2016, 2, e121.	1.9	1
70	F2-04-03: TRANSMISSION AND SPREADING OF TAUOPATHIES IN TRANSGENIC MOUSE BRAIN. , 2014, 10, P162-P162.		0
71	Computational cell quantification in the human brain tissues based on hard x-ray phase-contrast tomograms. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
72	Three-dimensional imaging of human brain tissues using absorption-contrast high-resolution X-ray tomography. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	The SFCNS Young Clinical Neuroscientists Network Cultivating ties across clinical neuroscience disciplines. <i>Clinical and Translational Neuroscience</i> , 2018, 2, 2514183X1878534.	0.9	0
74	Volumetric Nanoscale Imaging: Hard X-Ray Nanoholotomography: Large-Scale, Label-Free, 3D Neuroimaging beyond Optical Limit (Adv. Sci. 6/2018). <i>Advanced Science</i> , 2018, 5, 1870036.	11.2	0
75	High-resolution synchrotron radiation-based phase tomography of the healthy and epileptic brain. , 2016, , .		0
76	Imaging cellular and subcellular structure of human brain tissue using micro computed tomography. , 2017, , .		0
77	Zentrales Nervensystem. Springer-Lehrbuch, 2019, , 149-159.	0.0	0
78	Abstract P1-21-02: Distinct methylation and copy number alteration patterns in phyllodes tumors of the breast and its mimics. , 2020, , .		0
79	PATH-48. RAPID-CNS2: RAPID COMPREHENSIVE ADAPTIVE NANOPORE-SEQUENCING OF CNS TUMORS, A PROOF OF CONCEPT STUDY. <i>Neuro-Oncology</i> , 2021, 23, vi126-vi126.	1.2	0
80	PATH-39. INTEGRATED MOLECULAR-MORPHOLOGICAL MENINGIOMA CLASSIFICATION: A MULTICENTER RETROSPECTIVE ANALYSIS, RETRO- AND PROSPECTIVELY VALIDATED. <i>Neuro-Oncology</i> , 2021, 23, vi123-vi124.	1.2	0
81	PATH-04. Array-based global DNA Methylation profiling of mouse brain tumors allows comparison to human tumors. <i>Neuro-Oncology</i> , 2022, 24, i158-i159.	1.2	0