Stephan Frank

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/557602/publications.pdf

Version: 2024-02-01

		66343	22166
124	14,430	42	113
papers	citations	h-index	g-index
131	131	131	24117
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	An Integrated Epigenomic and Genomic View on Phyllodes and Phyllodes-like Breast Tumors. Cancers, 2022, 14, 667.	3.7	5
2	Transâ€seeding of Alzheimerâ€related tau protein by a yeast prion. Alzheimer's and Dementia, 2022, 18, 2481-2492.	0.8	5
3	Rapid-CNS2: rapid comprehensive adaptive nanopore-sequencing of CNS tumors, a proof-of-concept study. Acta Neuropathologica, 2022, 143, 609-612.	7.7	19
4	Comprehensive profiling of myxopapillary ependymomas identifies a distinct molecular subtype with relapsing disease. Neuro-Oncology, 2022, 24, 1689-1699.	1.2	11
5	Cancer in children with biallelic <i>BRCA1</i> variants and Fanconi anemiaâ€like features: Report of a malignant brain tumor in a young child. Pediatric Blood and Cancer, 2022, 69, e29680.	1.5	2
6	Larotrectinib Response in NTRK3 Fusion-Driven Diffuse High-Grade Glioma. Pharmacology, 2022, 107, 433-438.	2.2	9
7	MEDB-14. Clinical outcome of pediatric medulloblastoma patients with Li-Fraumeni syndrome. Neuro-Oncology, 2022, 24, i107-i107.	1.2	1
8	HGG-45. Characterization of spinal diffuse midline gliomas, H3 K28M-mutant. Neuro-Oncology, 2022, 24, i71-i71.	1.2	0
9	EPEN-27. Epigenetic dissection of spinal ependymomas (SP-EPN) separates tumors with and without <i>NF2</i> mutation. Neuro-Oncology, 2022, 24, i44-i45.	1.2	O
10	PATH-04. Array-based global DNA Methylation profiling of mouse brain tumors allows comparison to human tumors. Neuro-Oncology, 2022, 24, i158-i159.	1.2	0
11	Interferon- \hat{l}^3 resistance and immune evasion in glioma develop via Notch-regulated co-evolution of malignant and immune cells. Developmental Cell, 2022, 57, 1847-1865.e9.	7.0	15
12	NUT midline carcinomas and their differentials by a single molecular profiling method: a new promising diagnostic strategy illustrated by a case report. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2021, 478, 1007-1012.	2.8	11
13	Ependymoma relapse goes along with a relatively stable epigenome, but a severely altered tumor morphology. Brain Pathology, 2021, 31, 33-44.	4.1	8
14	A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of <i>EGFR</i> . Neuro-Oncology, 2021, 23, 34-43.	1.2	75
15	Supratentorial ependymoma in childhood: more than just RELA or YAP. Acta Neuropathologica, 2021, 141, 455-466.	7.7	37
16	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
17	Severe oligomeric tau toxicity can be reversed without long-term sequelae. Brain, 2021, 144, 963-974.	7.6	15
18	Presence of SARS-CoV-2 Transcripts in the Choroid Plexus of MS and Non-MS Patients With COVID-19. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	21

#	Article	IF	CITATIONS
19	Detection of intact <scp><i>Borrelia garinii</i></scp> in a sural nerve biopsy. Muscle and Nerve, 2021, 63, E52-E55.	2.2	3
20	Pembrolizumab-Associated CD8 $<$ sup $>+sup> Vasculitic Mononeuritis Multiplex in a Patient With Mesothelioma. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .$	6.0	6
21	Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. Acta Neuropathologica, 2021, 142, 179-189.	7.7	24
22	VCP/p97 cofactor UBXN1/SAKS1 regulates mitophagy by modulating MFN2 removal from mitochondria. Autophagy, 2021, , 1-20.	9.1	18
23	Random errors in protein synthesis activate an age-dependent program of muscle atrophy in mice. Communications Biology, 2021, 4, 703.	4.4	8
24	IDH2 R172 Mutations Across Poorly Differentiated Sinonasal Tract Malignancies. American Journal of Surgical Pathology, 2021, 45, 1190-1204.	3.7	26
25	Casein Kinase 2 dependent phosphorylation of eIF4B regulates BACE1 expression in Alzheimer's disease. Cell Death and Disease, 2021, 12, 769.	6.3	8
26	Neuropathology associated with SARS-CoV-2 infection. Lancet, The, 2021, 397, 276.	13.7	13
27	Sarcoma classification by DNA methylation profiling. Nature Communications, 2021, 12, 498.	12.8	237
28	Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. Acta Neuropathologica, 2021, 141, 281-290.	7.7	31
29	Mitochondrial misreading in skeletal muscle accelerates metabolic aging and confers lipid accumulation and increased inflammation. Rna, 2021, 27, 265-272.	3.5	10
30	Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. Journal of Clinical Oncology, 2021, 39, 3839-3852.	1.6	93
31	Silencing of the ER and Integrative Stress Responses in the Liver of Mice with Error-Prone Translation. Cells, 2021, 10, 2856.	4.1	2
32	Fast routine assessment of MGMT promoter methylation. Neuro-Oncology Advances, 2021, 3, vdaa170.	0.7	2
33	Co-activation of Sonic hedgehog and Wnt signaling in murine retinal precursor cells drives ocular lesions with features of intraocular medulloepithelioma. Oncogenesis, 2021, 10, 78.	4.9	0
34	PATH-48. RAPID-CNS2: RAPID COMPREHENSIVE ADAPTIVE NANOPORE-SEQUENCING OF CNS TUMORS, A PROOF OF CONCEPT STUDY. Neuro-Oncology, 2021, 23, vi126-vi126.	1.2	0
35	PATH-39. INTEGRATED MOLECULAR-MORPHOLOGICAL MENINGIOMA CLASSIFICATION: A MULTICENTER RETROSPECTIVE ANALYSIS, RETRO- AND PROSPECTIVELY VALIDATED. Neuro-Oncology, 2021, 23, vi123-vi124.	1.2	0
36	Impact of Oncoplastic Breast Surgery on Rate of Complications, Time to Adjuvant Treatment, and Risk of Recurrence. Breast Care, 2021, 16, 452-460.	1.4	10

#	Article	IF	Citations
37	Therapeutic Response of CCKBR-Positive Tumors to Combinatory Treatment with Everolimus and the Radiolabeled Minigastrin Analogue [177Lu]Lu-PP-F11N. Pharmaceutics, 2021, 13, 2156.	4. 5	4
38	Molecular characterization of histopathological ependymoma variants. Acta Neuropathologica, 2020, 139, 305-318.	7.7	43
39	Posterior fossa pilocytic astrocytomas with oligodendroglial features show frequent FGFR1 activation via fusion or mutation. Acta Neuropathologica, 2020, 139, 403-406.	7.7	9
40	Catch me if you can: SARS-CoV-2 detection in brains of deceased patients with COVID-19. Lancet Neurology, The, 2020, 19, 883-884.	10.2	8
41	Pharmacological inhibition of mTORC1 increases CCKBR-specific tumor uptake of radiolabeled minigastrin analogue [¹⁷⁷ Lu]Lu-PP-F11N. Theranostics, 2020, 10, 10861-10873.	10.0	15
42	Evaluation of Actinium-225 Labeled Minigastrin Analogue [225Ac]Ac-DOTA-PP-F11N for Targeted Alpha Particle Therapy. Pharmaceutics, 2020, 12, 1088.	4.5	19
43	Clock-Controlled Mitochondrial Dynamics Correlates with Cyclic Pregnenolone Synthesis. Cells, 2020, 9, 2323.	4.1	9
44	Correlates of critical illness-related encephalopathy predominate postmortem COVID-19 neuropathology. Acta Neuropathologica, 2020, 140, 583-586.	7.7	117
45	Postmortem examination of COVIDâ€19 patients reveals diffuse alveolar damage with severe capillary congestion and variegated findings in lungs and other organs suggesting vascular dysfunction. Histopathology, 2020, 77, 198-209.	2.9	1,025
46	Dysregulated Interorganellar Crosstalk of Mitochondria in the Pathogenesis of Parkinson's Disease. Cells, 2020, 9, 233.	4.1	44
47	NCMP-23. PEMBROLIZUMAB-ASSOCIATED CD8+ VASCULITIC MONONEURITIS MULTIPLEX IN A PATIENT WITH MESOTHELIOMA: FIRST CASE REPORT. Neuro-Oncology, 2020, 22, ii127-ii127.	1.2	0
48	Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. Acta Neuropathologica, 2019, 138, 1053-1074.	7.7	106
49	Peroxisome proliferatorâ€activated receptor γ coactivator 1α regulates mitochondrial calcium homeostasis, sarcoplasmic reticulum stress, and cell death to mitigate skeletal muscle aging. Aging Cell, 2019, 18, e12993.	6.7	23
50	Do antibacterial skin sutures reduce surgical site infections after elective open abdominal surgery? - Study protocol of a prospective, randomized controlled single center trial. Trials, 2019, 20, 390.	1.6	8
51	Quantitative proteomics reveals reduction of endocytic machinery components in gliomas. EBioMedicine, 2019, 46, 32-41.	6.1	26
52	Imaging of post-mortem human brain tissue using electron and X-ray microscopy. Current Opinion in Structural Biology, 2019, 58, 138-148.	5.7	20
53	Nectin-4 Expression Is an Independent Prognostic Biomarker and Associated With Better Survival in Triple-Negative Breast Cancer. Frontiers in Medicine, 2019, 6, 200.	2.6	22
54	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

#	Article	lF	CITATIONS
55	Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes. Nature Neuroscience, 2019, 22, 1099-1109.	14.8	604
56	Diagnosis of adult-onset MELAS syndrome in a 63-year-old patient with suspected recurrent strokes $\hat{a} \in \text{``action}$ a case report. BMC Neurology, 2019, 19, 91.	1.8	23
57	A Single-Cell Atlas of the Tumor and Immune Ecosystem of Human Breast Cancer. Cell, 2019, 177, 1330-1345.e18.	28.9	547
58	Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. Acta Neuropathologica, 2019, 137, 837-846.	7.7	43
59	PATH-16. HISTOPATHOLOGICAL EPENDYMOMA VARIANTS ARE ASSOCIATED WITH DISTINCT CLINICAL PARAMETERS AND DNA METHYLATION PATTERNS. Neuro-Oncology, 2019, 21, vi146-vi146.	1.2	1
60	Regulation of glioma cell invasion by 3q26 gene products PIK3CA, SOX2 and OPA1. Brain Pathology, 2019, 29, 336-350.	4.1	14
61	Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. Cell Metabolism, 2018, 27, 657-666.e5.	16.2	186
62	SYK inhibition blocks proliferation and migration of glioma cells and modifies the tumor microenvironment. Neuro-Oncology, 2018, 20, 621-631.	1.2	33
63	DNA methylation-based reclassification of olfactory neuroblastoma. Acta Neuropathologica, 2018, 136, 255-271.	7.7	59
64	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	27.8	1,872
65	Diagnostic red flags: steroidâ€treated malignant CNS lymphoma mimicking autoimmune inflammatory demyelination. Brain Pathology, 2018, 28, 225-233.	4.1	28
66	Cerebral Corpora amylacea are dense membranous labyrinths containing structurally preserved cell organelles. Scientific Reports, 2018, 8, 18046.	3.3	21
67	Hard X-ray Nano-Holotomography of Formalin-Fixated and Paraffin-Embedded Human Brain Tissue. Microscopy and Microanalysis, 2018, 24, 354-355.	0.4	5
68	Satisfying your neuro-oncologist: a fast approach to routine molecular glioma diagnostics. Neuro-Oncology, 2018, 20, 1682-1683.	1.2	8
69	CHCHD2 accumulates in distressed mitochondria and facilitates oligomerization of CHCHD10. Human Molecular Genetics, 2018, 27, 3881-3900.	2.9	38
70	Neuronal Mitochondrial Dysfunction Activates the Integrated Stress Response to Induce Fibroblast Growth Factor 21. Cell Reports, 2018, 24, 1407-1414.	6.4	72
71	Volumetric Nanoscale Imaging: Hard X-Ray Nanoholotomography: Large-Scale, Label-Free, 3D Neuroimaging beyond Optical Limit (Adv. Sci. 6/2018). Advanced Science, 2018, 5, 1870036.	11.2	0
72	Spectrum and prevalence of genetic predisposition in medulloblastoma: a retrospective genetic study and prospective validation in a clinical trial cohort. Lancet Oncology, The, 2018, 19, 785-798.	10.7	268

#	Article	IF	CITATIONS
73	UBXD1 is a mitochondrial recruitment factor for p97/VCP and promotes mitophagy. Scientific Reports, 2018, 8, 12415.	3.3	36
74	Impact of a Surgical Sealing Patch on Lymphatic Drainage After Axillary Dissection for Breast Cancer: The SAKK 23/13 Multicenter Randomized Phase III Trial. Annals of Surgical Oncology, 2018, 25, 2632-2640.	1.5	9
75	Cerebral vasculitis mimicking intracranial metastatic progression of lung cancer during PD-1 blockade. , 2017, 5, 46.		64
76	Reverse phase protein arrays enable glioblastoma molecular subtyping. Journal of Neuro-Oncology, 2017, 131, 437-448.	2.9	9
77	Targeting deregulated AMPK/mTORC1 pathways improves muscle function in myotonic dystrophy type I. Journal of Clinical Investigation, 2017, 127, 549-563.	8.2	64
78	Improved Muscle Function in Duchenne Muscular Dystrophy through L-Arginine and Metformin: An Investigator-Initiated, Open-Label, Single-Center, Proof-Of-Concept-Study. PLoS ONE, 2016, 11, e0147634.	2.5	50
79	Granulomatous encephalitis: protothecosis excluded?. Histopathology, 2016, 69, 1082-1084.	2.9	5
80	Mitochondrial cytopathy with common MELAS mutation presenting as multiple system atrophy mimic. Neurology: Genetics, 2016, 2, e121.	1.9	1
81	"Get the Balance Right†Pathological Significance of Autophagy Perturbation in Neuromuscular Disorders. Journal of Neuromuscular Diseases, 2016, 3, 127-155.	2.6	35
82	A semiâ€automated method to assess intraepidermal nerve fibre density in human skin biopsies. Histopathology, 2016, 68, 657-665.	2.9	10
83	Inhibition of MNK pathways enhances cancer cell response to chemotherapy with temozolomide and targeted radionuclide therapy. Cellular Signalling, 2016, 28, 1412-1421.	3.6	48
84	IDH mutation is associated with higher risk of malignant transformation in low-grade glioma. Journal of Neuro-Oncology, 2016, 127, 363-372.	2.9	48
85	DRP1-dependent apoptotic mitochondrial fission occurs independently of BAX, BAK and APAF1 to amplify cell death by BID and oxidative stress. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1267-1276.	1.0	60
86	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. Cell, 2016, 164, 1060-1072.	28.9	702
87	Sar1, a Novel Regulator of ER-Mitochondrial Contact Sites. PLoS ONE, 2016, 11, e0154280.	2.5	22
88	Serpine2/PN-1 Is Required for Proliferative Expansion of Pre-Neoplastic Lesions and Malignant Progression to Medulloblastoma. PLoS ONE, 2015, 10, e0124870.	2.5	22
89	A Tumor Suppressor Function for Notch Signaling in Forebrain Tumor Subtypes. Cancer Cell, 2015, 28, 730-742.	16.8	85
90	Current trends in tauopathy research: from disease modelling to therapeutic approaches. Neuropathology and Applied Neurobiology, 2015, 41, 1-2.	3.2	3

#	Article	IF	Citations
91	Differential retrotranslocation of mitochondrial Bax and Bak. EMBO Journal, 2015, 34, 67-80.	7.8	141
92	Molecular Diversity Subdivides the Adult Forebrain Neural Stem Cell Population. Stem Cells, 2014, 32, 70-84.	3.2	108
93	Peripheral administration of tau aggregates triggers intracerebral tauopathy in transgenic mice. Acta Neuropathologica, 2014, 127, 299-301.	7.7	116
94	The small <scp>GTP</scp> ase Arf1 modulates mitochondrial morphology and function. EMBO Journal, 2014, 33, 2659-2675.	7.8	81
95	Congenital muscular dystrophy with dropped head phenotype and cognitive impairment due to a novel mutation in the LMNA gene. Neuromuscular Disorders, 2014, 24, 529-532.	0.6	17
96	Skeletal muscle MRI of the lower limbs in congenital muscular dystrophy patients with novel POMT1 and POMT2 mutations. Neuromuscular Disorders, 2014, 24, 321-324.	0.6	20
97	hMOB3 Modulates MST1 Apoptotic Signaling and Supports Tumor Growth in Glioblastoma Multiforme. Cancer Research, 2014, 74, 3779-3789.	0.9	18
98	MNK1 pathway activity maintains protein synthesis in rapalog-treated gliomas. Journal of Clinical Investigation, 2014, 124, 742-754.	8.2	63
99	IDH/MGMT-driven molecular classification of low-grade glioma is a strong predictor for long-term survival. Neuro-Oncology, 2013, 15, 469-479.	1.2	158
100	Sustained Activation of mTORC1 in Skeletal Muscle Inhibits Constitutive and Starvation-Induced Autophagy and Causes a Severe, Late-Onset Myopathy. Cell Metabolism, 2013, 17, 731-744.	16.2	212
101	"Prion‣ike―Templated Misfolding in Tauopathies. Brain Pathology, 2013, 23, 342-349.	4.1	114
102	Brain homogenates from human tauopathies induce tau inclusions in mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9535-9540.	7.1	648
103	Impaired complex IV activity in response to loss of LRPPRC function can be compensated by mitochondrial hyperfusion. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2967-76.	7.1	63
104	Propagating Sticky Matters: An Update on "Prion‣ike―Templated Misfolding in Neurodegenerative Disorders. Brain Pathology, 2013, 23, 319-320.	4.1	1
105	Less than perfect divorces: dysregulated mitochondrial fission and neurodegeneration. Acta Neuropathologica, 2012, 123, 189-203.	7.7	50
106	News from the powerhouses. Acta Neuropathologica, 2012, 123, 155-156.	7.7	1
107	Inactivation of MARCH5 Prevents Mitochondrial Fragmentation and Interferes with Cell Death in a Neuronal Cell Model. PLoS ONE, 2012, 7, e52637.	2.5	25
108	Glycogen-rich pleomorphic xanthoastrocytoma with clear-cell features: Confirmatory report of a rare variant with implications for differential diagnosis. Pathology Research and Practice, 2011, 207, 256-261.	2.3	3

#	Article	IF	Citations
109	A Systematic Search for Endoplasmic Reticulum (ER) Membrane-associated RING Finger Proteins Identifies Nixin/ZNRF4 as a Regulator of Calnexin Stability and ER Homeostasis. Journal of Biological Chemistry, 2011, 286, 8633-8643.	3.4	54
110	MAP Kinase-Interacting Kinase 1 Regulates SMAD2-Dependent TGF- \hat{l}^2 Signaling Pathway in Human Glioblastoma. Cancer Research, 2011, 71, 2392-2402.	0.9	135
111	A Tissue-Specific Approach to the Analysis of Metabolic Changes in Caenorhabditis elegans. PLoS ONE, 2011, 6, e28417.	2.5	15
112	Loss of Drp1 function alters OPA1 processing and changes mitochondrial membrane organization. Experimental Cell Research, 2009, 315, 2165-2180.	2.6	79
113	Transmission and spreading of tauopathy in transgenic mouse brain. Nature Cell Biology, 2009, 11, 909-913.	10.3	1,515
114	A 28-YEAR-OLD MAN WITH HEADACHE, VISUAL AND APHASIC SPEECH DISTURBANCES. Brain Pathology, 2009, 19, 163-166.	4.1	16
115	The Proapoptotic BCL-2 Homology Domain 3-Only Protein Bim Is Not Critical for Acute Excitotoxic Cell Death. Journal of Neuropathology and Experimental Neurology, 2009, 68, 102-110.	1.7	19
116	Shaping mitochondria: The complex posttranslational regulation of the mitochondrial fission protein DRP1. IUBMB Life, 2008, 60, 448-455.	3.4	127
117	Tauopathy models and human neuropathology: similarities and differences. Acta Neuropathologica, 2007, 115, 39-53.	7.7	44
118	Dysregulation of mitochondrial fusion and fission: an emerging concept in neurodegeneration. Acta Neuropathologica, 2006, 111, 93-100.	7.7	56
119	Scission, spores, and apoptosis: a proposal for the evolutionary origin of mitochondria in cell death induction. Biochemical and Biophysical Research Communications, 2003, 304, 481-486.	2.1	22
120	JNK-Mediated BIM Phosphorylation Potentiates BAX-Dependent Apoptosis. Neuron, 2003, 38, 899-914.	8.1	479
121	Mitofusin-1 protein is a generally expressed mediator of mitochondrial fusion in mammalian cells. Journal of Cell Science, 2003, 116, 2763-2774.	2.0	369
122	Spatial and temporal association of Bax with mitochondrial fission sites, Drp1, and Mfn2 during apoptosis. Journal of Cell Biology, 2002, 159, 931-938.	5.2	743
123	The Role of Dynamin-Related Protein 1, a Mediator of Mitochondrial Fission, in Apoptosis. Developmental Cell, 2001, 1, 515-525.	7.0	1,564
124	Quantitative Proteomics Reveals Global Reduction of Endocytic Machinery Components in Gliomas. SSRN Electronic Journal, 0, , .	0.4	0