Angelika MÃ¼hlebner

List of Publications by Year
in descending order

75 papers	3,177 citations	201674 27 h-index	168389 53 g-index
77 all docs	77 docs citations	77 times ranked	3477 citing authors

#	Article	IF	Citations
1	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656.	27.0	621
2	Seizure outcome and use of antiepileptic drugs after epilepsy surgery according to histopathological diagnosis: a retrospective multicentre cohort study. Lancet Neurology, The, 2020, 19, 748-757.	10.2	177
3	Deep sequencing reveals increased DNA methylation in chronic rat epilepsy. Acta Neuropathologica, 2013, 126, 741-756.	7.7	172
4	Low-grade epilepsy-associated neuroepithelial tumours â€" the 2016 WHO classification. Nature Reviews Neurology, 2016, 12, 732-740.	10.1	113
5	Neuropathologic measurements in focal cortical dysplasias: validation of the ILAE 2011 classification system and diagnostic implications for MRI. Acta Neuropathologica, 2012, 123, 259-272.	7.7	106
6	Efficacy and tolerability of the ketogenic diet in Dravet syndrome â€" Comparison with various standard antiepileptic drug regimen. Epilepsy Research, 2015, 109, 81-89.	1.6	100
7	The ketogenic diet in infants â€" Advantages of early use. Epilepsy Research, 2015, 116, 53-58.	1.6	98
8	Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia in Frontal Lobe Epilepsy: A New Clinicoâ€Pathological Entity. Brain Pathology, 2017, 27, 26-35.	4.1	81
9	Efficacy and tolerability of the ketogenic diet versus highâ€dose adrenocorticotropic hormone for infantile spasms: A singleâ€center parallelâ€cohort randomized controlled trial. Epilepsia, 2019, 60, 441-451.	5.1	79
10	7<scp>T MRI</scp> features in control human hippocampus and hippocampal sclerosis: An ex vivo study with histologic correlations. Epilepsia, 2014, 55, 2003-2016.	5.1	76
11	Novel Histopathological Patterns in Cortical Tubers of Epilepsy Surgery Patients with Tuberous Sclerosis Complex. PLoS ONE, 2016, 11, e0157396.	2.5	69
12	Good interobserver and intraobserver agreement in the evaluation of the new ILAE classification of focal cortical dysplasias. Epilepsia, 2012, 53, 1341-1348.	5.1	63
13	New insights into a spectrum of developmental malformations related to <scp>mTOR</scp> dysregulations: challenges and perspectives. Journal of Anatomy, 2019, 235, 521-542.	1.5	63
14	Genomic <scp>DNA</scp> methylation distinguishes subtypes of human focal cortical dysplasia. Epilepsia, 2019, 60, 1091-1103.	5.1	61
15	Neuropathology of epilepsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 145, 193-216.	1.8	57
16	Oxidative stress and inflammation in a spectrum of epileptogenic cortical malformations: molecular insights into their interdependence. Brain Pathology, 2019, 29, 351-365.	4.1	54
17	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. Epilepsia, 2021, 62, 1416-1428.	5.1	54
18	Vertical perithalamic hemispherotomy: A singleâ€center experience in 40 pediatric patients with epilepsy. Epilepsia, 2013, 54, 1905-1912.	5.1	51

#	Article	IF	Citations
19	Epilepsy surgery in children and adolescents with malformations of cortical developmentâ€"Outcome and impact of the new ILAE classification on focal cortical dysplasia. Epilepsy Research, 2014, 108, 1652-1661.	1.6	51
20	Expression of microRNAs miR21, miR146a, and miR155 in tuberous sclerosis complex cortical tubers and their regulation in human astrocytes and SEGAâ€derived cell cultures. Glia, 2016, 64, 1066-1082.	4.9	51
21	Impaired oligodendroglial turnover is associated with myelin pathology in focal cortical dysplasia and tuberous sclerosis complex. Brain Pathology, 2017, 27, 770-780.	4.1	51
22	Neuropathological work-up of focal cortical dysplasias using the new ILAE consensus classification system â€“ practical guideline article invited by the Euro-CNS Research Committee. , 2011, 30, 164-177.		51
23	Functional aspects of early brain development are preserved in tuberous sclerosis complex (TSC) epileptogenic lesions. Neurobiology of Disease, 2016, 95, 93-101.	4.4	50
24	Subependymal giant cell astrocytomas in Tuberous Sclerosis Complex have consistent TSC1/TSC2 biallelic inactivation, and no BRAF mutations. Oncotarget, 2017, 8, 95516-95529.	1.8	49
25	Efficacy and safety of Everolimus in children with TSC - associated epilepsy â€“ Pilot data from an open single-center prospective study. Orphanet Journal of Rare Diseases, 2016, 11, 145.	2.7	47
26	Coding and small non-coding transcriptional landscape of tuberous sclerosis complex cortical tubers: implications for pathophysiology and treatment. Scientific Reports, 2017, 7, 8089.	3.3	47
27	Disconnective surgery in posterior quadrantic epilepsy: experience in a consecutive series of 10 patients. Neurosurgical Focus, 2013, 34, E10.	2.3	46
28	Review: Challenges in the histopathological classification of ganglioglioma and DNT: microscopic agreement studies and a preliminary genotypeâ€phenotype analysis. Neuropathology and Applied Neurobiology, 2019, 45, 95-107.	3.2	46
29	Seizure-mediated iron accumulation and dysregulated iron metabolism after status epilepticus and in temporal lobe epilepsy. Acta Neuropathologica, 2021, 142, 729-759.	7.7	31
30	Mosaic trisomy of chromosome 1q in human brain tissue associates with unilateral polymicrogyria, very early-onset focal epilepsy, and severe developmental delay. Acta Neuropathologica, 2020, 140, 881-891.	7.7	28
31	Tuberous Sclerosis Complex: new criteria for diagnostic work-up and management. Wiener Klinische Wochenschrift, 2015, 127, 619-630.	1.9	25
32	Tuberous Sclerosis Complex as Disease Model for Investigating mTOR-Related Gliopathy During Epileptogenesis. Frontiers in Neurology, 2020, 11, 1028.	2.4	25
33	The coding and non-coding transcriptional landscape of subependymal giant cell astrocytomas. Brain, 2020, 143, 131-149.	7.6	24
34	Improvement of language development after successful hemispherotomy. Seizure: the Journal of the British Epilepsy Association, 2015, 30, 70-75.	2.0	23
35	Specific pattern of maturation and differentiation in the formation of cortical tubers in tuberous sclerosis complex (TSC): evidence from layer-specific marker expression. Journal of Neurodevelopmental Disorders, 2016, 8, 9.	3.1	23
36	Promoter-Specific Hypomethylation Correlates with IL-1Î² Overexpression in Tuberous Sclerosis Complex (TSC). Journal of Molecular Neuroscience, 2016, 59, 464-470.	2.3	23

#	Article	IF	Citations
37	Ketogenic parenteral nutrition in 17 pediatric patients with epilepsy. Epilepsia Open, 2018, 3, 30-39.	2.4	22
38	Reduced expression of the glucocorticoid receptor in the hippocampus of patients with drugâ€resistant temporal lobe epilepsy and comorbid depression. Epilepsia, 2020, 61, 1595-1605.	5.1	22
39	Dysregulation of the (immuno)proteasome pathway in malformations of cortical development. Journal of Neuroinflammation, 2016, 13, 202.	7.2	21
40	Cognitive functioning after epilepsy surgery in children with mild malformation of cortical development and focal cortical dysplasia. Epilepsy and Behavior, 2019, 94, 209-215.	1.7	21
41	Myelin Pathology Beyond White Matter in Tuberous Sclerosis Complex (TSC) Cortical Tubers. Journal of Neuropathology and Experimental Neurology, 2020, 79, 1054-1064.	1.7	21
42	Immediate termination of electrical status epilepticus in sleep after hemispherotomy is associated with significant progress in language development. Developmental Medicine and Child Neurology, 2017, 59, 89-97.	2.1	19
43	Increased expression of (immuno)proteasome subunits during epileptogenesis is attenuated by inhibition of the mammalian target of rapamycin pathway. Epilepsia, 2017, 58, 1462-1472.	5.1	18
44	DNA methylation-based classification of malformations of cortical development in the human brain. Acta Neuropathologica, 2022, 143, 93-104.	7.7	18
45	Oligosarcomas, IDH-mutant are distinct and aggressive. Acta Neuropathologica, 2022, 143, 263-281.	7.7	18
46	Longâ€term seizure outcome after epilepsy surgery in patients with mild malformation of cortical development and focal cortical dysplasia. Epilepsia Open, 2019, 4, 170-175.	2.4	17
47	Same same but different: A Webâ€based deep learning application revealed classifying features for the histopathologic distinction of cortical malformations. Epilepsia, 2020, 61, 421-432.	5.1	17
48	Giant solid-cystic hypothalamic hamartoma. Neurosurgical Focus, 2011, 30, E7.	2.3	14
49	Balloon cells promote immune system activation in focal cortical dysplasia type 2b. Neuropathology and Applied Neurobiology, 2021, 47, 826-839.	3.2	14
50	Impaired myelin production due to an intrinsic failure of oligodendrocytes in mTORpathies. Neuropathology and Applied Neurobiology, 2021, 47, 812-825.	3.2	13
51	Beneficial effect of epilepsy surgery in a case of childhood non-paraneoplastic limbic encephalitis. Epilepsy Research, 2010, 90, 295-299.	1.6	12
52	2017 WONOEP appraisal: Studying epilepsy as a network disease using systems biology approaches. Epilepsia, 2019, 60, 1045-1053.	5.1	12
53	Dysregulation of the MMP/TIMP Proteolytic System in Subependymal Giant Cell Astrocytomas in Patients With Tuberous Sclerosis Complex: Modulation of MMP by MicroRNA-320d In Vitro. Journal of Neuropathology and Experimental Neurology, 2020, 79, 777-790.	1.7	12
54	Upregulation of the pathogenic transcription factor SPI1/PU.1 in tuberous sclerosis complex and focal cortical dysplasia by oxidative stress. Brain Pathology, 2021, 31, e12949.	4.1	11

#	Article	IF	Citations
55	Epilepsy surgery in infants. Wiener Klinische Wochenschrift, 2018, 130, 341-348.	1.9	10
56	Genetic pathogenesis of the epileptogenic lesions in Tuberous Sclerosis Complex: Therapeutic targeting of the mTOR pathway. Epilepsy and Behavior, 2022, 131, 107713.	1.7	10
57	Increased expression of complement components in tuberous sclerosis complex and focal cortical dysplasia type 2B brain lesions. Epilepsia, 2022, 63, 364-374.	5.1	10
58	Presurgical evaluation of pediatric epilepsy patients prior to hemispherotomy: the prognostic value of 18F-FDG PET. Journal of Neurosurgery: Pediatrics, 2016, 18, 683-688.	1.3	9
59	Childhood onset temporal lobe epilepsy: Beyond hippocampal sclerosis. European Journal of Paediatric Neurology, 2016, 20, 228-235.	1.6	7
60	Pathophysiology of neurodevelopmental mTOR pathway-associated epileptic conditions: Current status of biomedical research. , 2019, 38, 210-224.		6
61	Characterization of Pathology. , 2017, , 139-160.		5
62	Changes in vascular density in resected tissue of 97 patients with mild malformation of cortical development, focal cortical dysplasia or TSCâ€related cortical tubers. International Journal of Developmental Neuroscience, 2019, 79, 96-104.	1.6	5
63	Single stage epilepsy surgery in children and adolescents with focal cortical dysplasia type II â€“ Prognostic value of the intraoperative electrocorticogram. Clinical Neurophysiology, 2019, 130, 20-24.	1.5	5
64	MicroRNAâ€34a activation in tuberous sclerosis complex during early brain development may lead to impaired corticogenesis. Neuropathology and Applied Neurobiology, 2021, 47, 796-811.	3.2	5
65	MicroRNA519d and microRNA4758 can identify gangliogliomas from dysembryoplastic neuroepithelial tumours and astrocytomas. Oncotarget, 2018, 9, 28103-28115.	1.8	5
66	Unexpected Effect of IL-1Î² on the Function of GABAA Receptors in Pediatric Focal Cortical Dysplasia. Brain Sciences, 2022, 12, 807.	2.3	5
67	Down-regulation of the brain-specific cell-adhesion molecule contactin-3 in tuberous sclerosis complex during the early postnatal period. Journal of Neurodevelopmental Disorders, 2022, 14, 8.	3.1	4
68	Somnolence upon Allergen Provocation in a Child with Hen's Egg Allergy. Klinische Padiatrie, 2013, 225, 232-233.	0.6	1
69	OP52 â€“ 2694: The ketogenic diet versus ACTH in the treatment of infantile spasms: A prospective randomised study. European Journal of Paediatric Neurology, 2015, 19, S17.	1.6	1
70	Distinct DNA Methylation Patterns of Subependymal Giant Cell Astrocytomas in Tuberous Sclerosis Complex. Cellular and Molecular Neurobiology, 2022, 42, 2863-2892.	3.3	1
71	OP57 â€“ 2589: Temporal lobe epilepsy in children: Beyond hippocampal sclerosis. European Journal of Paediatric Neurology, 2015, 19, S18-S19.	1.6	0
72	Response to â€œIs <scp>ACTH</scp> therapy loaded with severe sideâ€effects? Do not use synthetic <scp>ACTH</scp> with the same dosages as â€˜naturalâ€™ <scp>ACTH</scp>â€. Epilepsia, 2019, 60, 1483-1484.	5.1	0

#	Article	IF	Citations
73	In response: The equivalence of the ketogenic diet and adrenocorticotropic hormone for treatment of infantile spasms: More suggestion than conclusion. Epilepsia, 2019, 60, 2146-2147.	5.1	0
74	Neurite Outgrowth Inhibitor (NogoA) Is Upregulated in White Matter Lesions of Complex Cortical Malformations. Journal of Neuropathology and Experimental Neurology, 2021, 80, 274-282.	1.7	0
75	Use of the ketogenic diet in drug resistant epilepsy syndromes during early infancy: Differences between 3: 1 and 4: 1 formula, a pilot study. Neuropediatrics, 2011, 42, .	0.6	0