Roland Coras

List of Publications by Year
in descending order

45 papers	3,466 citations	236925 25 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	4118 citing authors

#	Article	IF	Citations
1	International consensus classification of hippocampal sclerosis in temporal lobe epilepsy: A Task Force report from the <scp>ILAE</scp> Commission on Diagnostic Methods. Epilepsia, 2013, 54, 1315-1329.	5.1	816
2	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656.	27.0	621
3	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
4	Differential influence of hippocampal subfields to memory formation: insights from patients with temporal lobe epilepsy. Brain, 2014, 137, 1945-1957.	7.6	171
5	Low proliferation and differentiation capacities of adult hippocampal stem cells correlate with memory dysfunction in humans. Brain, 2010, 133, 3359-3372.	7.6	164
6	Defining Clinicoâ€Neuropathological Subtypes of Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. Brain Pathology, 2012, 22, 402-411.	4.1	163
7	Low-grade epilepsy-associated neuroepithelial tumours â€" the 2016 WHO classification. Nature Reviews Neurology, 2016, 12, 732-740.	10.1	113
8	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
9	The <scp>ILAE</scp> consensus classification of focal cortical dysplasia: An update proposed by an ad hoc task force of the <scp>ILAE</scp> diagnostic methods commission. Epilepsia, 2022, 63, 1899-1919.	5.1	88
10	Isomorphic diffuse glioma is a morphologically and molecularly distinct tumour entity with recurrent gene fusions of MYBL1 or MYB and a benign disease course. Acta Neuropathologica, 2020, 139, 193-209.	7.7	83
11	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
12	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
13	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
14	Value of 7T MRI and postâ€processing in patients with nonlesional 3T MRI undergoing epilepsy presurgical evaluation. Epilepsia, 2020, 61, 2509-2520.	5.1	63
15	Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE). Acta Neuropathologica Communications, 2021, 9, 3.	5.2	62
16	Genomic <scp>DNA</scp> methylation distinguishes subtypes of human focal cortical dysplasia. Epilepsia, 2019, 60, 1091-1103.	5.1	61
17	Integration of functional neuronavigation and intraoperative MRI in surgery for drug-resistant extratemporal epilepsy close to eloquent brain areas. Neurosurgical Focus, 2013, 34, E4.	2.3	55
18	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. Epilepsia, 2021, 62, 1416-1428.	5.1	54

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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	Age-related MR characteristics in mild malformation of cortical development with oligodendroglial hyperplasia and epilepsy (MOGHE). Epilepsy and Behavior, 2019, 91, 68-74.	1.7	39
21	Cerebral cavernous malformations in the setting of focal epilepsies: pathological findings, clinical characteristics, and surgical treatment principles. Acta Neuropathologica, 2014, 128, 55-65.	7.7	36
22	Surgical management of epilepsy due to cerebral cavernomas using neuronavigation and intraoperative MR imaging. Neurological Research, 2013, 35, 1076-1083.	1.3	32
23	Intrinsic epileptogenicity of gangliogliomas may be independent from co-occurring focal cortical dysplasia. Epilepsy Research, 2011, 97, 208-213.	1.6	31
24	Manual Hippocampal Subfield Segmentation Using High-Field MRI: Impact of Different Subfields in Hippocampal Volume Loss of Temporal Lobe Epilepsy Patients. Frontiers in Neurology, 2018, 9, 927.	2.4	28
25	<scp>S</scp>turgeâ€“<scp>W</scp>eber Syndrome Is Associated with Cortical Dysplasia <scp>ILAE</scp> Type <scp>IIIc</scp> and Excessive Hypertrophic Pyramidal Neurons in Brain Resections for Intractable Epilepsy. Brain Pathology, 2015, 25, 248-255.	4.1	27
26	Dysmorphic neurons as cellular source for phase-amplitude coupling in Focal Cortical Dysplasia Type II. Clinical Neurophysiology, 2021, 132, 782-792.	1.5	24
27	Coregistrating magnetic source and magnetic resonance imaging for epilepsy surgery in focal cortical dysplasia. NeuroImage: Clinical, 2018, 19, 487-496.	2.7	22
28	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
29	DNA methylation-based classification of malformations of cortical development in the human brain. Acta Neuropathologica, 2022, 143, 93-104.	7.7	18
30	Temporal lobe â€œplusâ€•epilepsy associated with oligodendroglial hyperplasia (MOGHE). Acta Neurologica Scandinavica, 2019, 140, 296-300.	2.1	16
31	A distinct clinicopathological variant of focal cortical dysplasia <scp>III</scp>d characterized by loss of layer 4 in the occipital lobe in 12 children with remote hypoxicâ€“ischemic injury. Epilepsia, 2017, 58, 1697-1705.	5.1	14
32	Multilobar unilateral hypoplasia with emphasis on the posterior quadrant and severe epilepsy in children with FCD ILAE Type 1A. Epilepsia, 2022, 63, 42-60.	5.1	12
33	Disseminated Multifocal Intracerebral Bleeding Events in Three Coronavirus Disease 2019 Patients on Extracorporeal Membrane Oxygenation As Rescue Therapy. , 2020, 2, e0218.		11
34	Dynamic expression of NR2F1 and SOX2 in developing and adult human cortex: comparison with cortical malformations. Brain Structure and Function, 2021, 226, 1303-1322.	2.3	11
35	Focal cortical dysplasia type 1. Brain Pathology, 2021, 31, e12964.	4.1	11
36	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. European Journal of Cell Biology, 2019, 98, 151046.	3.6	9

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37	Variable histopathology features of neuronal dyslamination in the cerebral neocortex adjacent to epilepsyâ€associated vascular malformations suggest complex pathogenesis of focal cortical dysplasia ILAE type IIIc. Brain Pathology, 2022, 32, e13052.	4.1	8
38	The curse of in silico transformation from <scp>P</scp>almini's into the <scp>ILAE</scp> classification system of focal cortical dysplasia: A critical comment. Epilepsia, 2013, 54, 1506-1507.	5.1	5
39	Pearls & Oy-sters: SARS-CoV-2 Infection of the CNS in a Patient With Meningeosis Carcinomatosa. Neurology, 2021, 96, 496-499.	1.1	5
40	Biochemical markers of neurodegeneration in hereditary diffuse leucoencephalopathy with spheroids. BMJ Case Reports, 2014, 2014, bcr2012008510-bcr2012008510.	0.5	4
41	Histological correlates of hippocampal magnetization transfer images in drug-resistant temporal lobe epilepsy patients. NeuroImage: Clinical, 2020, 28, 102463.	2.7	4
42	N471D WASH complex subunit strumpellin knockâ€in mice display mild motor and cardiac abnormalities and BPTF and KLHL11 dysregulation in brain tissue. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	4
43	Hippocampal dysplasia with balloon cells: case report and discussion on classification. Journal of Neurology, 2014, 261, 2022-2024.	3.6	3
44	Role of NODDI in the MRI Characterization of Hippocampal Abnormalities in Temporal Lobe Epilepsy. Neurology, 2022, 98, e1771-e1782.	1.1	2
45	Cerebral lipogranuloma. Neurology, 2020, 95, 1019-1020.	1.1	0