Martin Holtkamp

List of Publications by Year
in descending order

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Version: 2024-02-01

112 papers	3,702 citations	147801 31 h-index	155660 55 g-index
129 all docs	129 docs citations	129 times ranked	4139 citing authors

#	Article	IF	Citations
1	Recommendations on the use of EEG monitoring in critically ill patients: consensus statement from the neurointensive care section of the ESICM. Intensive Care Medicine, 2013, 39, 1337-1351.	8.2	352
2	Dendritic action potentials and computation in human layer 2/3 cortical neurons. Science, 2020, 367, 83-87.	12.6	331
3	Non-convulsive status epilepticus in adults: clinical forms and treatment. Lancet Neurology, The, 2007, 6, 329-339.	10.2	289
4	European Stroke Organisation guidelines for the management of post-stroke seizures and epilepsy. European Stroke Journal, 2017, 2, 103-115.	5.5	133
5	A â€œMalignantâ€•Variant of Status Epilepticus. Archives of Neurology, 2005, 62, 1428.	4.5	124
6	Prognosis of juvenile myoclonic epilepsy 45 years after onset. Neurology, 2013, 81, 2128-2133.	1.1	106
7	Diagnosis of psychogenic nonepileptic status epilepticus in the emergency setting. Neurology, 2006, 66, 1727-1729.	1.1	98
8	Ketamine successfully terminates malignant status epilepticus. Epilepsy Research, 2008, 82, 219-222.	1.6	97
9	Incidence and predictors of post-stroke epilepsy. Acta Neurologica Scandinavica, 2013, 127, 427-430.	2.1	92
10	Erectile Dysfunction with Topiramate. Epilepsia, 2005, 46, 166-167.	5.1	78
11	Intracranial EEG in predicting surgical outcome in frontal lobe epilepsy. Epilepsia, 2012, 53, 1739-1745.	5.1	71
12	Nonconvulsive status epilepticus: a diagnostic and therapeutic challenge in the intensive care setting. Therapeutic Advances in Neurological Disorders, 2011, 4, 169-181.	3.5	70
13	â€œAutoimmune Epilepsyâ€• Encephalitis with Autoantibodies for Epileptologists. Epilepsy Currents, 2017, 17, 134-141.	0.8	64
14	Specific adverse effects of antiepileptic drugs â€" A true-to-life monotherapy study. Epilepsy and Behavior, 2016, 54, 150-157.	1.7	60
15	Referral to evaluation for epilepsy surgery: Reluctance by epileptologists and patients. Epilepsia, 2019, 60, 211-219.	5.1	59
16	Drug Resistance in Cortical and Hippocampal Slices from Resected Tissue of Epilepsy Patients: No Significant Impact of P-Glycoprotein and Multidrug Resistance-Associated Proteins. Frontiers in Neurology, 2015, 6, 30.	2.4	55
17	Pharmacotherapy for Refractory and Super-Refractory Status Epilepticus in Adults. Drugs, 2018, 78, 307-326.	10.9	55
18	Gender differences in depression, but not in anxiety in people with epilepsy. Seizure: the Journal of the British Epilepsy Association, 2015, 32, 37-42.	2.0	53

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19	The anaesthetic and intensive care of status epilepticus. Current Opinion in Neurology, 2007, 20, 188-193.	3.6	50
20	Longâ€term outcome in adolescentâ€onset generalized genetic epilepsies. Epilepsia, 2017, 58, 1244-1250.	5.1	47
21	Cannabis and other illicit drug use in epilepsy patients. European Journal of Neurology, 2014, 21, 167-170.	3.3	46
22	Nucleus accumbens stimulation in partial epilepsyâ€”A randomized controlled case series. Epilepsia, 2015, 56, e78-82.	5.1	46
23	How to diagnose and treat postâ€stroke seizures and epilepsy. Epileptic Disorders, 2020, 22, 252-263.	1.3	43
24	Propofol in subanesthetic doses terminates status epilepticus in a rodent model. Annals of Neurology, 2001, 49, 260-263.	5.3	42
25	Routine diagnostics for neural antibodies, clinical correlates, treatment and functional outcome. Journal of Neurology, 2020, 267, 2101-2114.	3.6	40
26	Interictal and periictal headache in patients with epilepsy. European Journal of Neurology, 2013, 20, 1360-1366.	3.3	39
27	Deep hypothermia terminates status epilepticus â€” an experimental study. Brain Research, 2012, 1446, 119-126.	2.2	37
28	Treatment strategies for refractory status epilepticus. Current Opinion in Critical Care, 2011, 17, 94-100.	3.2	35
29	Functional, cognitive and emotional longâ€“term outcome of patients with ischemic stroke requiring mechanical ventilation. Journal of Neurology, 2005, 252, 648-654.	3.6	34
30	Longâ€term outcome in epilepsy with grand mal on awakening: Forty years of followâ€up. Annals of Neurology, 2014, 75, 298-302.	5.3	34
31	Effects of an epilepsyâ€specific Internet intervention (Emyna) on depression: Results of the ENCODE randomized controlled trial. Epilepsia, 2019, 60, 656-668.	5.1	33
32	Recurrent seizures do not cause hippocampal damage. Journal of Neurology, 2004, 251, 458-463.	3.6	31
33	Anticonvulsant, antiepileptogenic, and antiictogenic pharmacostrategies. Cellular and Molecular Life Sciences, 2007, 64, 2023-2041.	5.4	31
34	The 4-Aminopyridine Model of Acute Seizures in vitro Elucidates Efficacy of New Antiepileptic Drugs. Frontiers in Neuroscience, 2019, 13, 677.	2.8	31
35	Quantitative and Qualitative EEG as a Prediction Tool for Outcome and Complications in Acute Stroke Patients. Clinical EEG and Neuroscience, 2020, 51, 121-129.	1.7	31
36	Adenosine A₁ receptorâ€mediated suppression of carbamazepineâ€resistant seizureâ€like events in human neocortical slices. Epilepsia, 2016, 57, 746-756.	5.1	30

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37	Euro-Esli: a European audit of real-world use of eslicarbazepine acetate as a treatment for partial-onset seizures. Journal of Neurology, 2017, 264, 2232-2248.	3.6	29
38	Generic antiepileptic drugsâ€"Safe or harmful in patients with epilepsy?. Epilepsia, 2018, 59, 1273-1281.	5.1	29
39	Dynorphinâ€based â€œrelease on demandâ€•gene therapy for drugâ€resistant temporal lobe epilepsy. EMBO Molecular Medicine, 2019, 11, e9963.	6.9	29
40	Psychosocial longâ€term outcome in juvenile myoclonic epilepsy. Epilepsia, 2014, 55, 1732-1738.	5.1	28
41	Realâ€world data on eslicarbazepine acetate as addâ€on to antiepileptic monotherapy. Acta Neurologica Scandinavica, 2016, 134, 76-82.	2.1	28
42	Status epilepticus induces increasing neuronal excitability and hypersynchrony as revealed by optical imaging. Neurobiology of Disease, 2011, 43, 220-227.	4.4	25
43	Transient loss of inhibition precedes spontaneous seizures after experimental status epilepticus. Neurobiology of Disease, 2005, 19, 162-170.	4.4	23
44	Gabapentinâ€“induced severe myoclonus in a patient with impaired renal function. Journal of Neurology, 2006, 253, 382-383.	3.6	23
45	Long-term seizure outcome and antiseizure medication use in autoimmune encephalitis. Seizure: the Journal of the British Epilepsy Association, 2021, 86, 138-143.	2.0	23
46	Circadian dentate gyrus excitability in a rat model of temporal lobe epilepsy. Experimental Neurology, 2012, 234, 105-111.	4.1	22
47	Safety and feasibility of nucleus accumbens stimulation in five patients with epilepsy. Journal of Neurology, 2014, 261, 1477-1484.	3.6	22
48	Practical guidance and considerations for transitioning patients from oxcarbazepine or carbamazepine to eslicarbazepine acetate â€" Expert opinion. Epilepsy and Behavior, 2015, 50, 46-49.	1.7	22
49	Optical imaging reveals reduced seizure spread and propagation velocities in aged rat brain in vitro. Neurobiology of Aging, 2003, 24, 345-353.	3.1	20
50	Thalamic interictal epileptiform discharges in deep brainÂstimulated epilepsy patients. Journal of Neurology, 2016, 263, 2120-2126.	3.6	20
51	Alcohol Use and Alcohol-Related Seizures in Patients With Epilepsy. Frontiers in Neurology, 2018, 9, 401.	2.4	20
52	Chronic inflammatory demyelinating polyradiculoneuropathy with histologically proven optic neuritis. Acta Neuropathologica, 2001, 101, 529-531.	7.7	19
53	Furosemide Terminates Limbic Status Epilepticus in Freely Moving Rats. Epilepsia, 2003, 44, 1141-1144.	5.1	19
54	Intracranial pressure and cerebral perfusion pressure in patients developing brain death. Journal of Critical Care, 2016, 34, 1-6.	2.2	19

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55	Gender differences in social support in persons with epilepsy. Epilepsy and Behavior, 2015, 46, 205-208.	1.7	18
56	Utility of 18Fâ€fluorodeoxyglucose positron emission tomography in presurgical evaluation of patients with epilepsy: A multicenter study. Epilepsia, 2022, 63, 1238-1252.	5.1	18
57	Genetic generalized epilepsies in adults â€" challenging assumptions and dogmas. Nature Reviews Neurology, 2022, 18, 71-83.	10.1	17
58	Limbic Self-sustaining Status Epilepticus in Rats Is Not Associated with Hyperthermia. Epilepsia, 2005, 46, 188-192.	5.1	16
59	Visuo-spatial memory deficits following medial temporal lobe damage: A comparison of three patient groups. Neuropsychologia, 2016, 81, 168-179.	1.6	15
60	Characteristics and healthcare situation of adult patients with tuberous sclerosis complex in German epilepsy centers. Epilepsy and Behavior, 2018, 82, 64-67.	1.7	15
61	Cerebral toxoplasmosis in a patient with common variable immunodeficiency. Neurology, 2004, 63, 2192-2193.	1.1	14
62	Dentate gyrus autonomous ictal activity in the status epilepticus rat model of epilepsy. Brain Research, 2017, 1658, 1-10.	2.2	14
63	Discontinuing antiepileptic drugs in long-standing idiopathic generalised epilepsy. Journal of Neurology, 2019, 266, 2554-2559.	3.6	14
64	Functional and morphological changes in the dentate gyrus after experimental status epilepticus. Seizure: the Journal of the British Epilepsy Association, 2008, 17, 76-83.	2.0	13
65	The anticonvulsant lamotrigine enhances Ih in layer 2/3 neocortical pyramidal neurons of patients with pharmacoresistant epilepsy. Neuropharmacology, 2019, 144, 58-69.	4.1	13
66	Absence epilepsy beyond adolescence: an outcome analysis after 45 years of follow-up. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 603-610.	1.9	12
67	Etiologyâ€specific response to antiseizure medication in focal epilepsy. Epilepsia, 2021, 62, 2133-2141.	5.1	12
68	Temperature regulation is compromised in experimental limbic status epilepticus. Brain Research, 2007, 1127, 76-79.	2.2	11
69	Are mental distress and cognitive impairment related in temporal lobe epilepsy?. Epilepsy Research, 2018, 146, 126-131.	1.6	10
70	Toothbrushing-induced seizures at onset of cryptogenic partial epilepsy: a case report. Journal of Neurology, 2014, 261, 432-434.	3.6	9
71	Sex differences in verbal and nonverbal learning before and after temporal lobe epilepsy surgery. Epilepsy and Behavior, 2017, 66, 57-63.	1.7	9
72	Attitudes toward epilepsy assessed by the SAPE questionnaire in Germany â€" Comparison of its psychometric properties and results in a web-based vs. face-to-face survey. Epilepsy and Behavior, 2022, 130, 108665.	1.7	8

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73	Protocol for the ENCODE trial: evaluating a novel online depression intervention for persons with epilepsy. BMC Psychiatry, 2017, 17, 55.	2.6	7
74	Acute antiepileptic drug use in intensive care units. Journal of Neurology, 2018, 265, 2841-2850.	3.6	7
75	Eslicarbazepine acetate as monotherapy in clinical practice: Outcomes from Euro-Esli. Acta Neurologica Scandinavica, 2019, 139, 49-63.	2.1	7
76	Predictive value of acute EEG measurements for seizures and epilepsy after stroke using a dry cap electrode EEG system â€" Study design and proof of concept. Epilepsy and Behavior, 2020, 104, 106486.	1.7	7
77	The relationship between structural MRI, FDG-PET, and memory in temporal lobe epilepsy: Preliminary results. Epilepsy and Behavior, 2018, 80, 61-67.	1.7	6
78	Surgery in intractable epilepsyâ€"physicians' recommendations and patients' decisions. Acta Neurologica Scandinavica, 2021, 143, 421-429.	2.1	6
79	Poststroke epilepsy incidence, risk factors and treatment: German claims analysis. Acta Neurologica Scandinavica, 2021, 143, 614-623.	2.1	6
80	Deep Brain Stimulation for Refractory Focal Epilepsy: Unraveling the Insertional Effect up to Five Months Without Stimulation. Neuromodulation, 2021, 24, 373-379.	0.8	6
81	Associations of individual and structural socioeconomic status with cognition and mental distress in pharmacoresistant focal epilepsy. Epilepsy and Behavior, 2021, 116, 107726.	1.7	6
82	In vitro and in vivo antiâ€epileptic efficacy of eslicarbazepine acetate in a mouse model of KCNQ2â€related selfâ€limited epilepsy. British Journal of Pharmacology, 2022, 179, 84-102.	5.4	6
83	Female verbal memory advantage in temporal, but not frontal lobe epilepsy. Epilepsy Research, 2018, 139, 129-134.	1.6	5
84	Prediction of seizure freedom after epilepsy surgery â€" Critical reappraisal of significance of intracranial EEG parameters. Clinical Neurophysiology, 2020, 131, 2682-2690.	1.5	4
85	Spatiotemporal Correlation of Epileptiform Activity and Gene Expression in vitro. Frontiers in Molecular Neuroscience, 2021, 14, 643763.	2.9	4
86	Valproic acid use in fertile women with genetic generalized epilepsies. Acta Neurologica Scandinavica, 2021, 144, 288-295.	2.1	4
87	Pathology-selective antiepileptic effects in the focal freeze-lesion rat model of malformation of cortical development. Experimental Neurology, 2021, 343, 113776.	4.1	4
88	Acute symptomatic seizures in the emergency room: predictors and characteristics. Journal of Neurology, 2022, 269, 2707-2714.	3.6	4
89	Electrically Induced Limbic Seizures: Preliminary Findings in a Rodent Model. Journal of Experimental Neuroscience, 2015, 9, JEN.S23759.	2.3	3
90	Should Barbiturates be Used in Refractory Status Epilepticus?. Journal of Clinical Neurophysiology, 2016, 33, 22-24.	1.7	3

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91	Status Epilepticus Diagnosis, Management and Outcome. Journal of Clinical Neurophysiology, 2016, 33, 1-2.	1.7	3
92	Dimethylethanolamine Decreases Epileptiform Activity in Acute Human Hippocampal Slices in vitro. Frontiers in Molecular Neuroscience, 2019, 12, 209.	2.9	3
93	Craniotomy Size for Subdural Grid Electrode Placement in Invasive Epilepsy Diagnostics. Stereotactic and Functional Neurosurgery, 2019, 97, 160-168.	1.5	3
94	Early volumetric changes of hippocampus and medial prefrontal cortex following medial temporal lobe resection. European Journal of Neuroscience, 2020, 52, 4375-4384.	2.6	3
95	Is there a creative functional paradoxical facilitation in juvenile myoclonic epilepsy?. Epilepsy and Behavior, 2016, 62, 285-290.	1.7	2
96	How safe is switching antiepileptic drug manufacturers?. Nature Reviews Neurology, 2019, 15, 8-9.	10.1	2
97	Initiating a new national epilepsy surgery program: Experiences gathered in Georgia. Epilepsy and Behavior, 2020, 111, 107259.	1.7	2
98	Preparation of Acute Human Hippocampal Slices for Electrophysiological Recordings. Journal of Visualized Experiments, 2020, , .	0.3	2
99	Position paper of a German interdisciplinary round table on future designs of trials on adjunctive treatment with antiseizure drugs. Seizure: the Journal of the British Epilepsy Association, 2020, 78, 53-56.	2.0	2
100	Predictors of seizure freedom, response and retention after 12 months of treatment with eslicarbazepine acetate: A post-hoc analysis of the Euro-Esli study. Epilepsy Research, 2021, 174, 106653.	1.6	2
101	Selection bias in analysis of status epilepticus in the intensive care unit. Critical Care Medicine, 2011, 39, 927-928.	0.9	1
102	Hypothermia did not prevent epilepsy following experimental status epilepticus. Brain Research, 2014, 1572, 50-58.	2.2	1
103	Patience can be a virtue with deep brain stimulation of the anterior thalami: another case report. Epileptic Disorders, 2017, 19, 114-115.	1.3	1
104	Translational view: Ablative methods in in vivo epilepsy models. Epilepsy Research, 2018, 142, 176-178.	1.6	1
105	Medication-Resistant Epilepsy in Adults. , 2020, , 158-170.		1
106	Prognostic value of â€˜lateâ€™ electroencephalography recordings in patients with cardiopulmonal resuscitation after cardiac arrest. Journal of Neurology, 2021, 268, 4248-4257.	3.6	1
107	Early beta oscillations in multisensory association areas underlie crossmodal performance enhancement. NeuroImage, 2022, 257, 119307.	4.2	1
108	EEG in Refractory Status Epilepticus. , 2015, , 41-53.		0

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109	Optimising Epilepsy Therapy â€“ Searching for the Evidence â€“ Looking Beyond the Data. European Neurological Review, 2015, 10, 164.	0.5	0
110	Indikationen zur pharmakologischen Therapie. , 2020, , 423-429.		0
111	Genetische generalisierte Epilepsien. , 2020, , 99-113.		0
112	Epilepsien aus dem Frontallappen und der InselÂâ€“ von der Anatomie, Semiologie und Diagnostik zu speziellen neurochirurgischen Fragestellungen und darÃ¼ber hinausÂâ€¦. Zeitschrift Fur Epileptologie, 2022, 35, 6.	0.7	0