# Andreas Schulze-Bonhage

List of Publications by Year
in descending order

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|---|---|---|---|
| 259 papers | 13,683 citations | 31976<br>53 h-index | 26613<br>107 g-index |
| 282 all docs | 282 docs citations | 282 times ranked | 11620 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Seizure forecasting using minimally invasive, ultra‐long‐term subcutaneous electroencephalography: Individualized intrapatient models. Epilepsia, 2023, 64, . | 5.1 | 16 |
| 2 | Seizure forecasting using minimally invasive, ultra‐long‐term subcutaneous EEG: Generalizable cross‐patient models. Epilepsia, 2023, 64, . | 5.1 | 11 |
| 3 | Diagnostic yield and limitations of in‐hospital documentation in patients with epilepsy. Epilepsia, 2023, 64, . | 5.1 | 13 |
| 4 | A brain atlas of axonal and synaptic delays based on modelling of cortico-cortical evoked potentials. Brain, 2022, 145, 1653-1667. | 7.6 | 34 |
| 5 | "Within a minute"detection of focal cortical dysplasia. Neuroradiology, 2022, 64, 715-726. | 2.2 | 6 |
| 6 | Seizure prediction: Time for new, multimodal and ultra-long-term approaches. Clinical Neurophysiology, 2022, 133, 152-153. | 1.5 | 4 |
| 7 | Do all patients in the epilepsy monitoring unit experience the same level of comfort? A quantitative exploratory secondary analysis. Journal of Advanced Nursing, 2022, 78, 2004-2014. | 3.3 | 5 |
| 8 | Ictal semiology of epileptic seizures with insulo-opercular genesis. Journal of Neurology, 2022, 269, 3119-3128. | 3.6 | 8 |
| 9 | Fully automated detection of focal cortical dysplasia: Comparison of MPRAGE and MP2RAGE sequences. Epilepsia, 2022, 63, 75-85. | 5.1 | 7 |
| 10 | Genetic testing before epilepsy surgery – An exploratory survey and case collection from German epilepsy centers. Seizure: the Journal of the British Epilepsy Association, 2022, 95, 4-10. | 2.0 | 11 |
| 11 | Electrode placement for SEEG: Combining stereotactic technique with latest generation planning software for intraoperative visualization and postoperative evaluation of accuracy and accuracy predictors. Clinical Neurology and Neurosurgery, 2022, 213, 107137. | 1.4 | 6 |
| 12 | Detection of interictal epileptiform discharges in an extended scalp EEG array and high‐density EEG—A prospective multicenter study. Epilepsia, 2022, 63, 1619-1629. | 5.1 | 11 |
| 13 | A realistic and patient-specific perspective on EEG-based seizure detection. Clinical Neurophysiology, 2022, , . | 1.5 | 0 |
| 14 | How to identify insular epilepsy. Journal of Neurology, 2022, , . | 3.6 | 0 |
| 15 | Intra- and Inter-Subject Perspectives on the Detection of Focal Onset Motor Seizures in Epilepsy Patients. Sensors, 2022, 22, 3318. | 3.8 | 8 |
| 16 | Assessment of Anxiety in Patients With Epilepsy: A Literature Review. Frontiers in Neurology, 2022, 13, 836321. | 2.4 | 10 |
| 17 | Multilobar Epilepsy Surgery in Childhood and Adolescence: Predictors of Long-Term Seizure Freedom. Neurosurgery, 2021, 88, 174-182. | 1.1 | 9 |
| 18 | 230 days of ultra long‐term subcutaneous EEG: seizure cycle analysis and comparison to patient diary. Annals of Clinical and Translational Neurology, 2021, 8, 288-293. | 3.7 | 45 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | A survey of the European Reference Network EpiCARE on clinical practice for selected rare epilepsies. Epilepsia Open, 2021, 6, 160-170. | 2.4 | 3 |
| 20 | Low-frequency electrical stimulation reduces cortical excitability in the human brain. NeuroImage: Clinical, 2021, 31, 102778. | 2.7 | 15 |
| 21 | Physiological Ripples Associated With Sleep Spindles Can Be Identified in Patients With Refractory Epilepsy Beyond Mesio-Temporal Structures. Frontiers in Neurology, 2021, 12, 612293. | 2.4 | 8 |
| 22 | Detecting Tonic-Clonic Seizures in Multimodal Biosignal Data From Wearables: Methodology Design and Validation. JMIR MHealth and UHealth, 2021, 9, e27674. | 3.7 | 14 |
| 23 | Topography-Related EEG-fMRI in Surgically Confirmed Epileptic Foci: A Comparison to Spike-Related EEG-fMRI in Clinical Practice. Brain Topography, 2021, 34, 373-383. | 1.8 | 2 |
| 24 | Epilepsy surgery: Late seizure recurrence after initial complete seizure freedom. Epilepsia, 2021, 62, 1092-1104. | 5.1 | 9 |
| 25 | Subcortical band heterotopia in a patient with phenylketonuria: Co-Existence or consequence?. Seizure: the Journal of the British Epilepsy Association, 2021, 86, 144-146. | 2.0 | 0 |
| 26 | Effects of Spatial Memory Processing on Hippocampal Ripples. Frontiers in Neurology, 2021, 12, 620670. | 2.4 | 9 |
| 27 | Distinction of Physiologic and Epileptic Ripples: An Electrical Stimulation Study. Brain Sciences, 2021, 11, 538. | 2.3 | 4 |
| 28 | Non-invasive wearable seizure detection using long–short-term memory networks with transfer learning. Journal of Neural Engineering, 2021, 18, 056017. | 3.5 | 31 |
| 29 | Blink- and saccade-related suppression effects in early visual areas of the human brain: Intracranial EEG investigations during natural viewing conditions. NeuroImage, 2021, 230, 117788. | 4.2 | 10 |
| 30 | Seizure Diaries and Forecasting With Wearables: Epilepsy Monitoring Outside the Clinic. Frontiers in Neurology, 2021, 12, 690404. | 2.4 | 63 |
| 31 | The power of ECG in multimodal patient–specific seizure monitoring: Added value to an EEG–based detector using limited channels. Epilepsia, 2021, 62, 2333-2343. | 5.1 | 27 |
| 32 | Signal quality and power spectrum analysis of remote ultra long–term subcutaneous EEG. Epilepsia, 2021, 62, 1820-1828. | 5.1 | 22 |
| 33 | Wearable devices for seizure detection: Practical experiences and recommendations from the Wearables for Epilepsy And Research (WEAR) International Study Group. Epilepsia, 2021, 62, 2307-2321. | 5.1 | 24 |
| 34 | Food intake precipitates seizures in temporal lobe epilepsy. Scientific Reports, 2021, 11, 16515. | 3.3 | 3 |
| 35 | Interictal spikes with and without high-frequency oscillation have different single-neuron correlates. Brain, 2021, 144, 3078-3088. | 7.6 | 30 |
| 36 | Multicenter Validation of a Deep Learning Detection Algorithm for Focal Cortical Dysplasia. Neurology, 2021, 97, e1571-e1582. | 1.1 | 39 |

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|---|---------|-----|-----------|
| 37 | Intracranial correlates of small sharp spikes. Clinical Neurophysiology, 2021, 132, 2146-2151. | 1.5 | 2 |
| 38 | MRI-Based Machine Learning Prediction Framework to Lateralize Hippocampal Sclerosis in Patients With Temporal Lobe Epilepsy. Neurology, 2021, 97, e1583-e1593. | 1.1 | 16 |
| 39 | Identification of Ictal Tachycardia in Focal Motor- and Non-Motor Seizures by Means of a Wearable PPG Sensor. Sensors, 2021, 21, 6017. | 3.8 | 8 |
| 40 | A neural code for egocentric spatial maps in the human medial temporal lobe. Neuron, 2021, 109, 2781-2796.e10. | 8.1 | 45 |
| 41 | A subgaleal electrode array for neurostimulation allows the recording of relevant information in closed loop applications. Journal of Neuroscience Methods, 2021, 362, 109295. | 2.5 | 6 |
| 42 | Effect of Cannabidiol on Interictal Epileptiform Activity and Sleep Architecture in Children with Intractable Epilepsy: A Prospective Open-Label Study. CNS Drugs, 2021, 35, 1207-1215. | 5.9 | 12 |
| 43 | Malformations of cortical development as models of altered brain excitability. Lancet Neurology, The, 2021, 20, 882-883. | 10.2 | 0 |
| 44 | A Study of Word Complexity Under Conditions of Non-experimental, Natural Overt Speech Production Using ECoG. Frontiers in Human Neuroscience, 2021, 15, 711886. | 2.0 | 1 |
| 45 | A Comparison of Energy-Efficient Seizure Detectors for Implantable Neurostimulation Devices. Frontiers in Neurology, 2021, 12, 703797. | 2.4 | 7 |
| 46 | Oligodendrocyte lineage and myelination are compromised in the gray matter of focal cortical dysplasia type IIa. Epilepsia, 2020, 61, 171-184. | 5.1 | 13 |
| 47 | Stable high frequency background EEG activity distinguishes epileptic from healthy brain regions. Brain Communications, 2020, 2, fcaa107. | 3.3 | 4 |
| 48 | Big data in epilepsy: Clinical and research considerations. Report from the Epilepsy Big Data Task Force of the International League Against Epilepsy. Epilepsia, 2020, 61, 1869-1883. | 5.1 | 23 |
| 49 | Accuracy and practical aspects of semi- and fully automatic segmentation methods for resected brain areas. Neuroradiology, 2020, 62, 1637-1648. | 2.2 | 9 |
| 50 | Day and night comfort and stability on the body of four wearable devices for seizure detection: A direct user-experience. Epilepsy and Behavior, 2020, 112, 107478. | 1.7 | 20 |
| 51 | Interictal Fast Ripples Are Associated With the Seizure-Generating Lesion in Patients With Dual Pathology. Frontiers in Neurology, 2020, 11, 573975. | 2.4 | 9 |
| 52 | Assessing comfort in the epilepsy monitoring unit: Psychometric testing of an instrument. Epilepsy and Behavior, 2020, 112, 107460. | 1.7 | 2 |
| 53 | EEG in fitness to drive evaluations in people with epilepsy â€" Considerable variations across Europe. Seizure: the Journal of the British Epilepsy Association, 2020, 79, 56-60. | 2.0 | 2 |
| 54 | Postâ€ictal accelerometer silence as a marker of postâ€ictal immobility. Epilepsia, 2020, 61, 1397-1405. | 5.1 | 11 |

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|---|---------|----|-----------|
| 55 | Machine-learning-based diagnostics of EEG pathology. NeuroImage, 2020, 220, 117021. | 4.2 | 119 |
| 56 | Signal quality and patient experience with wearable devices for epilepsy management. Epilepsia, 2020, 61, S25-S35. | 5.1 | 45 |
| 57 | Morphometric MRI Analysis: Improved Detection of Focal Cortical Dysplasia Using the MP2RAGE Sequence. American Journal of Neuroradiology, 2020, 41, 1009-1014. | 2.4 | 19 |
| 58 | Which seizure elements do patients memorize? A comparison of history and seizure documentation. Epilepsia, 2020, 61, 1365-1375. | 5.1 | 19 |
| 59 | Effects of hippocampus–sparing resections in the temporal lobe: Hippocampal atrophy is associated with a decline in memory performance. Epilepsia, 2020, 61, 725-734. | 5.1 | 5 |
| 60 | Forecasting cycles of seizure likelihood. Epilepsia, 2020, 61, 776-786. | 5.1 | 76 |
| 61 | Distinct ictal hippocampal sharp transients in scalp EEG. Clinical Neurophysiology, 2020, 131, 1925-1927. | 1.5 | 3 |
| 62 | Reactivated Spatial Context Guides Episodic Recall. Journal of Neuroscience, 2020, 40, 2119-2128. | 3.6 | 26 |
| 63 | Controversies on the network theory of epilepsy: Debates held during the ICTALS 2019 conference. Seizure: the Journal of the British Epilepsy Association, 2020, 78, 78-85. | 2.0 | 17 |
| 64 | In vivo-assessment of the human temporal network: Evidence for asymmetrical effective connectivity. NeuroImage, 2020, 214, 116769. | 4.2 | 12 |
| 65 | 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 |
| 66 | PIMIDES I: a pilot study to assess the feasibility of patient-controlled neurostimulation with the EASEE® system to treat medically refractory focal epilepsy. Neurological Research and Practice, 2020, 2, 15. | 2.0 | 19 |
| 67 | A taxonomy of seizure dynamotypes. ELife, 2020, 9, . | 6.0 | 86 |
| 68 | Klassifikation und Terminologie von epileptischen Anfällen. , 2020, , 47-54. | | 0 |
| 69 | Remote Assessment of Disease and Relapse in Epilepsy: Protocol for a Multicenter Prospective Cohort Study. JMIR Research Protocols, 2020, 9, e21840. | 1.0 | 5 |
| 70 | Epilepsien: Medikamentöse Therapie. Springer Reference Medizin, 2020, , 1-14. | 0.0 | 0 |
| 71 | Medikamentöse Therapie bei Epilesien. Springer Reference Medizin, 2020, , 1553-1565. | 0.0 | 0 |
| 72 | Epilepsien. , 2020, , 205-219. | | 0 |

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|---|---------|-----|-----------|
| 73 | Epilepsy Surgery in the First 3 Years of Life: Predictors of Seizure Freedom and Cognitive Development. Neurosurgery, 2019, 84, E368-E377. | 1.1 | 66 |
| 74 | Long-term outcome in neurostimulation of epilepsy. Epilepsy and Behavior, 2019, 91, 25-29. | 1.7 | 44 |
| 75 | Ultra-Rare Genetic Variation in the Epilepsies: A Whole-Exome Sequencing Study of 17,606 Individuals. American Journal of Human Genetics, 2019, 105, 267-282. | 6.2 | 237 |
| 76 | Classification as autonomic versus sensory seizures. Epilepsia, 2019, 60, 2003-2005. | 5.1 | 4 |
| 77 | Hippocampal theta phases organize the reactivation of large-scale electrophysiological representations during goal-directed navigation. Science Advances, 2019, 5, eaav8192. | 10.3 | 56 |
| 78 | Large-scale cortical travelling waves predict localized future cortical signals. PLoS Computational Biology, 2019, 15, e1007316. | 3.2 | 15 |
| 79 | Orphan drugs und seltene Epilepsien. Zeitschrift Fur Epileptologie, 2019, 32, 263-263. | 0.7 | 0 |
| 80 | Probabilistic neuroanatomical assignment of intracranial electrodes using the ELAS toolbox. Journal of Neuroscience Methods, 2019, 327, 108396. | 2.5 | 3 |
| 81 | Effects of cannabidiol on brivaracetam plasma levels. Epilepsia, 2019, 60, e74-e77. | 5.1 | 45 |
| 82 | Simultaneous Frame-assisted Stereotactic Placement of Subdural Grid Electrodes and Intracerebral Depth Electrodes. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2019, 80, 353-358. | 0.8 | 3 |
| 83 | 2017 International League Against Epilepsy classifications of seizures and epilepsy are steps in the right direction. Epilepsia, 2019, 60, 1040-1044. | 5.1 | 15 |
| 84 | Recurrent episodes of falls and amnestic confusional states as diagnostic challenge in the elderly. BMJ Case Reports, 2019, 12, e228842. | 0.5 | 0 |
| 85 | High-frequency oscillations mirror severity of human temporal lobe seizures. Annals of Clinical and Translational Neurology, 2019, 6, 2479-2488. | 3.7 | 18 |
| 86 | Efficacy and Tolerance of Synthetic Cannabidiol for Treatment of Drug Resistant Epilepsy. Frontiers in Neurology, 2019, 10, 1313. | 2.4 | 22 |
| 87 | Association between seizure freedom and default mode network reorganization in patients with unilateral temporal lobe epilepsy. Epilepsy and Behavior, 2019, 90, 238-246. | 1.7 | 24 |
| 88 | Discrimination of epileptogenic lesions and perilesional white matter using diffusion tensor magnetic resonance imaging. Neuroradiology Journal, 2019, 32, 10-16. | 1.2 | 3 |
| 89 | Age-dependent semiology of frontal lobe seizures. Epilepsy Research, 2019, 149, 83-87. | 1.6 | 5 |
| 90 | Emotional Reaction to viewing one's own epileptic seizure. Seizure: the Journal of the British Epilepsy Association, 2019, 64, 34-40. | 2.0 | 1 |

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|---|---------|----|-----------|
| 91 | Changes in self-perception in patients treated with neurostimulating devices. Epilepsy and Behavior, 2019, 90, 25-30. | 1.7 | 4 |
| 92 | Surgical Treatment of Extratemporal Epilepsy: Results and Prognostic Factors. Neurosurgery, 2019, 84, 242-252. | 1.1 | 28 |
| 93 | Using multimodal biosignal data from wearables to detect focal motor seizures in individual epilepsy patients. , 2019, , . | | 6 |
| 94 | The dynamics of error processing in the human brain as reflected by high-gamma activity in noninvasive and intracranial EEG. NeuroImage, 2018, 173, 564-579. | 4.2 | 31 |
| 95 | Frontal lobe epileptic seizures are accompanied by elevated pitch during verbal communication. Epilepsia, 2018, 59, e23-e27. | 5.1 | 6 |
| 96 | Spectral bandwidth of interictal fast epileptic activity characterizes the seizure onset zone. NeuroImage: Clinical, 2018, 17, 865-872. | 2.7 | 8 |
| 97 | Flashbulb memories: Is the amygdala central? An investigation of patients with amygdalar damage. Neuropsychologia, 2018, 111, 163-171. | 1.6 | 4 |
| 98 | Seizure onset predicts its type. Epilepsia, 2018, 59, 650-660. | 5.1 | 17 |
| 99 | Does early postoperative drug regimen impact seizure control in patients undergoing temporal lobe resections?. Journal of Neurology, 2018, 265, 500-509. | 3.6 | 11 |
| 100 | A single channel sleep-spindle detector based on multivariate classification of EEG epochs: MUSSDET. Journal of Neuroscience Methods, 2018, 297, 31-43. | 2.5 | 16 |
| 101 | Frontal Lobe Epilepsy Surgery in Childhood and Adolescence: Predictors of Long-Term Seizure Freedom, Overall Cognitive and Adaptive Functioning. Neurosurgery, 2018, 83, 93-103. | 1.1 | 52 |
| 102 | Cognitive and behavioral comorbidities in Rolandic epilepsy and their relation with default mode network's functional connectivity and organization. Epilepsy and Behavior, 2018, 78, 179-186. | 1.7 | 27 |
| 103 | Rapid antiepileptic drug withdrawal may obscure localizing information obtained during presurgical EEG recordings. Epileptic Disorders, 2018, 20, 151-157. | 1.3 | 6 |
| 104 | Intracranial Error Detection via Deep Learning. , 2018, , . | | 5 |
| 105 | Cross-Paradigm Pretraining of Convolutional Networks Improves Intracranial EEG Decoding. , 2018, , . | | 7 |
| 106 | Early Seizure Detection with an Energy-Efficient Convolutional Neural Network on an Implantable Microcontroller. , 2018, , . | | 17 |
| 107 | Hardware Implementation of a Performance and Energy-optimized Convolutional Neural Network for Seizure Detection. , 2018, 2018, 2268-2271. | | 11 |
| 108 | Viewing their own seizures improves understanding of disease in people with epilepsy. Epilepsy and Behavior, 2018, 88, 365-372. | 1.7 | 0 |

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| 109 | Deep Convolutional Networks for Automated Detection of Epileptogenic Brain Malformations. Lecture Notes in Computer Science, 2018, , 490-497. | 1.3 | 8 |
| 110 | Long-term seizure outcome in pediatric patients with focal cortical dysplasia undergoing tailored and standard surgical resections. Seizure: the Journal of the British Epilepsy Association, 2018, 62, 66-73. | 2.0 | 27 |
| 111 | Hexadirectional Modulation of Theta Power in Human Entorhinal Cortex during Spatial Navigation. Current Biology, 2018, 28, 3310-3315.e4. | 3.9 | 42 |
| 112 | A Comparison of Machine Learning Classifiers for Energy-Efficient Implementation of Seizure Detection. Frontiers in Systems Neuroscience, 2018, 12, 43. | 2.5 | 35 |
| 113 | From moon to earth—ultradian cycles in brain excitability. Lancet Neurology, The, 2018, 17, 930-932. | 10.2 | 1 |
| 114 | Scalp electroencephalographic biomarkers in epilepsy patients with focal cortical dysplasia. Annals of Neurology, 2018, 84, 564-575. | 5.3 | 28 |
| 115 | Wearable technology in epilepsy: The views of patients, caregivers, and healthcare professionals. Epilepsy and Behavior, 2018, 85, 141-149. | 1.7 | 118 |
| 116 | Probabilistic functional tractography of the human cortex revisited. NeuroImage, 2018, 181, 414-429. | 4.2 | 94 |
| 117 | Removing high-frequency oscillations. Neurology, 2018, 91, e1040-e1052. | 1.1 | 158 |
| 118 | Cannabidiol for Treatment of Childhood Epilepsy—A Cross-Sectional Survey. Frontiers in Neurology, 2018, 9, 731. | 2.4 | 15 |
| 119 | Tolerability, efficacy and retention rate of Brivaracetam in patients previously treated with Levetiracetam: A monocenter retrospective outcome analysis. Seizure: the Journal of the British Epilepsy Association, 2018, 61, 98-103. | 2.0 | 58 |
| 120 | Cortical Mirror-System Activation During Real-Life Game Playing: An Intracranial Electroencephalography (EEG) Study. , 2018, , . | | 2 |
| 121 | FV 269. Cannabidiol for Treatment of Childhood Epilepsy—A Cross-Sectional Survey. , 2018, 49, . | | 0 |
| 122 | Whole Transcriptome Screening Reveals Myelination Deficits in Dysplastic Human Temporal Neocortex. Cerebral Cortex, 2017, 27, bhv346. | 2.9 | 16 |
| 123 | Posterior cortex epilepsy surgery in childhood and adolescence: Predictors of long-term seizure outcome. Epilepsia, 2017, 58, 412-419. | 5.1 | 42 |
| 124 | Characterization of focal cortical dysplasia with balloon cells by layer-specific markers: Evidence for differential vulnerability of interneurons. Epilepsia, 2017, 58, 635-645. | 5.1 | 19 |
| 125 | Instruction manual for the <scp>ILAE</scp> 2017 operational classification of seizure types. Epilepsia, 2017, 58, 531-542. | 5.1 | 699 |
| 126 | Surgical Treatment of Mesiotemporal Lobe Epilepsy: Which Approach is Favorable?. Neurosurgery, 2017, 81, 992-1004. | 1.1 | 38 |

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|---|---------|----|-----------|
| 127 | Transsylvian Selective Amygdalohippocampectomy for Mesiotemporal Epilepsy: Experience with 162 Procedures. Neurosurgery, 2017, 80, 454-464. | 1.1 | 13 |
| 128 | Physiological Ripples Associated with Sleep Spindles Differ in Waveform Morphology from Epileptic Ripples. International Journal of Neural Systems, 2017, 27, 1750011. | 5.2 | 42 |
| 129 | Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656. | 27.0 | 621 |
| 130 | Visual field defects following different resective procedures for mesiotemporal lobe epilepsy. Epilepsy and Behavior, 2017, 76, 39-45. | 1.7 | 33 |
| 131 | Closed-loop interaction with the cerebral cortex using a novel micro-ECoG-based implant: the impact of beta vs. gamma stimulation frequencies on cortico-cortical spectral responses. Brain-Computer Interfaces, 2017, 4, 214-224. | 1.8 | 8 |
| 132 | Neurolinguistic and machine-learning perspectives on direct speech BCIs for restoration of naturalistic communication. Brain-Computer Interfaces, 2017, 4, 186-199. | 1.8 | 23 |
| 133 | Response to the numbering of seizure types. Epilepsia, 2017, 58, 1300-1301. | 5.1 | 0 |
| 134 | A 2017 review of pharmacotherapy for treating focal epilepsy: where are we now and how will treatment develop?. Expert Opinion on Pharmacotherapy, 2017, 18, 1845-1853. | 1.8 | 13 |
| 135 | Brain stimulation as a neuromodulatory epilepsy therapy. Seizure: the Journal of the British Epilepsy Association, 2017, 44, 169-175. | 2.0 | 88 |
| 136 | Depuration, augmentation and balancing of training data for supervised learning based detectors of EEG patterns. , 2017, , . | | 1 |
| 137 | Optimized detector for closed-loop devices for neurostimulation. , 2017, , . | | 3 |
| 138 | A long-term noninterventional safety study of adjunctive lacosamide therapy in patients with epilepsy and uncontrolled partial-onset seizures. Epilepsy and Behavior, 2016, 58, 35-43. | 1.7 | 22 |
| 139 | Marker-based ballistocardiographic artifact correction improves spike identification in EEG-fMRI of focal epilepsy patients. Clinical Neurophysiology, 2016, 127, 2802-2811. | 1.5 | 7 |
| 140 | Track N. Functional Electrical Stimulation and Neuroprostheses. Biomedizinische Technik, 2016, 61, 133-136. | 0.8 | 0 |
| 141 | Electrical Stimulation of the Human Cerebral Cortex by Extracranial Muscle Activity: Effect Quantification With Intracranial EEG and FEM Simulations. IEEE Transactions on Biomedical Engineering, 2016, 63, 2552-2563. | 4.2 | 10 |
| 142 | Local brain activity persists during apparently generalized postictal EEG suppression. Epilepsy and Behavior, 2016, 62, 218-224. | 1.7 | 12 |
| 143 | Long-term outcome characteristics in mesial temporal lobe epilepsy with and without associated cortical dysplasia. Epilepsy Research, 2016, 126, 147-156. | 1.6 | 19 |
| 144 | Quantifying antiepileptic drug effects using intrinsic excitability measures. Epilepsia, 2016, 57, e210-e215. | 5.1 | 28 |

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|---|---------|-----|-----------|
| 145 | Early experiences with tachycardia‐triggered vagus nerve stimulation using the AspireSR stimulator. Epileptic Disorders, 2016, 18, 155-162. | 1.3 | 17 |
| 146 | Differentiation of spindle associated hippocampal HFOs based on a correlation analysis. , 2016, 2016, 5501-5504. | | 5 |
| 147 | Termination of seizure clusters is related to the duration of focal seizures. Epilepsia, 2016, 57, 889-895. | 5.1 | 37 |
| 148 | Predominance of Movement Speed Over Direction in Neuronal Population Signals of Motor Cortex: Intracranial EEG Data and A Simple Explanatory Model. Cerebral Cortex, 2016, 26, 2863-2881. | 2.9 | 40 |
| 149 | Ictal tachycardia in patients with hypothalamic hamartoma: TableÂ1. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 1163-1164. | 1.9 | 3 |
| 150 | A prospective, multicenter study of cardiac-based seizure detection to activate vagus nerve stimulation. Seizure: the Journal of the British Epilepsy Association, 2015, 32, 52-61. | 2.0 | 161 |
| 151 | Latencies from intracranial seizure onset to ictal tachycardia: A comparison to surface <scp>EEG</scp> patterns and other clinical signs. Epilepsia, 2015, 56, 1639-1647. | 5.1 | 43 |
| 152 | Collaborating and Sharing Data in Epilepsy Research. Journal of Clinical Neurophysiology, 2015, 32, 235-239. | 1.7 | 59 |
| 153 | Perampanel in the management of partial-onset seizures: a review of safety, efficacy, and patient acceptability. Patient Preference and Adherence, 2015, 9, 1143. | 1.8 | 10 |
| 154 | The influence of stimulation parameters on the relative phase clustering index. , 2015, , . | | 0 |
| 155 | Intrinsic excitability measures track antiepileptic drug action and uncover increasing/decreasing excitability over the wake/sleep cycle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14694-14699. | 7.1 | 105 |
| 156 | A novel approach for multiscale source analysis and modeling of epileptic spikes. , 2015, 2015, 6634-7. | | 0 |
| 157 | Temporal and spatial characteristics of high frequency oscillations as a new biomarker in epilepsy. Epilepsia, 2015, 56, 197-206. | 5.1 | 113 |
| 158 | Selective amygdalohippocampectomy versus standard temporal lobectomy in patients with mesiotemporal lobe epilepsy and unilateral hippocampal sclerosis: post-operative facial emotion recognition abilities. Epilepsy Research, 2015, 111, 26-32. | 1.6 | 28 |
| 159 | The safety and long-term efficacy of zonisamide as adjunctive therapy for focal epilepsy. Expert Review of Neurotherapeutics, 2015, 15, 857-865. | 2.8 | 4 |
| 160 | Perampanel for epilepsy with partial-onset seizures: a pharmacokinetic and pharmacodynamic evaluation. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 1329-1337. | 3.3 | 18 |
| 161 | Third International Congress on Epilepsy, Brain and Mind: Part 1. Epilepsy and Behavior, 2015, 50, 116-137. | 1.7 | 13 |
| 162 | Early Seizure Detection Algorithm Based on Intracranial EEG and Random Forest Classification. International Journal of Neural Systems, 2015, 25, 1550023. | 5.2 | 123 |

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|---|---------|----|-----------| 
| 163 | Long‑term seizure outcome in 211 patients with focal cortical dysplasia. Epilepsia, 2015, 56, 66-76. | 5.1 | 146 |
| 164 | Concordance of Epileptic Networks Associated with Epileptic Spikes Measured by High-Density EEG and Fast fMRI. PLoS ONE, 2015, 10, e0140537. | 2.5 | 15 |
| 165 | The Preoperative Evaluation and Surgical Treatment of Epilepsy. Deutsches A&amp;#x0308;rzteblatt International, 2014, 111, 313-9. | 0.9 | 27 |
| 166 | From speech to thought: the neuronal basis of cognitive units in non-experimental, real-life communication investigated using ECoG. Frontiers in Human Neuroscience, 2014, 8, 383. | 2.0 | 18 |
| 167 | Electrical stimulation for cortical mapping reduces the density of high frequency oscillations. Epilepsy Research, 2014, 108, 1758-1769. | 1.6 | 10 |
| 168 | Differentiation of specific ripple patterns helps to identify epileptogenic areas for surgical procedures. Clinical Neurophysiology, 2014, 125, 1339-1345. | 1.5 | 124 |
| 169 | Comment from Professor Andreas Schulze-Bonhage on: Lesion-focused stereotactic thermo-coagulation of focal cortical dysplasia II-B: A new approach to epilepsy surgery?. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 478. | 2.0 | 1 |
| 170 | Memory outcome one year after stereotactic interstitial radiosurgery in patients with epilepsy due to hypothalamic hamartomas. Epilepsy and Behavior, 2014, 37, 204-209. | 1.7 | 22 |
| 171 | Fast fMRI provides high statistical power in the analysis of epileptic networks. NeuroImage, 2014, 88, 282-294. | 4.2 | 48 |
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