

Stefan Rampp

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4706170/publications.pdf>

Version: 2024-02-01

114
papers

3,241
citations

159585

30
h-index

197818

49
g-index

127
all docs

127
docs citations

127
times ranked

2844
citing authors

#	ARTICLE	IF	CITATIONS
1	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	5.1	260
2	A guideline for head volume conductor modeling in EEG and MEG. <i>NeuroImage</i> , 2014, 100, 590-607.	4.2	236
3	Magnetoencephalography adds to the surgical evaluation process. <i>Epilepsy and Behavior</i> , 2011, 20, 172-177.	1.7	140
4	Magnetoencephalography for epileptic focus localization in a series of 1000 cases. <i>Brain</i> , 2019, 142, 3059-3071.	7.6	108
5	Train time as a quantitative electromyographic parameter for facial nerve function in patients undergoing surgery for vestibular schwannoma. <i>Journal of Neurosurgery</i> , 2007, 106, 826-832.	1.6	101
6	Criteria for defining interictal epileptiform discharges in EEG. <i>Neurology</i> , 2020, 94, e2139-e2147.	1.1	99
7	Combining EEG and MEG for the Reconstruction of Epileptic Activity Using a Calibrated Realistic Volume Conductor Model. <i>PLoS ONE</i> , 2014, 9, e93154.	2.5	81
8	Combined EEG/MEG Can Outperform Single Modality EEG or MEG Source Reconstruction in Presurgical Epilepsy Diagnosis. <i>PLoS ONE</i> , 2015, 10, e0118753.	2.5	79
9	Early prediction of delayed cerebral ischemia in subarachnoid hemorrhage based on quantitative EEG: A prospective study in adults. <i>Clinical Neurophysiology</i> , 2015, 126, 1514-1523.	1.5	75
10	Network characteristics of idiopathic generalized epilepsies in combined MEG/EEG. <i>Epilepsy Research</i> , 2009, 85, 187-198.	1.6	71
11	MEG-based identification of the epileptogenic zone in occult peri-insular epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 128-133.	2.0	71
12	Fast activity as a surrogate marker of epileptic network function?. <i>Clinical Neurophysiology</i> , 2006, 117, 2111-2117.	1.5	66
13	Consequences of EEG electrode position error on ultimate beamformer source reconstruction performance. <i>Frontiers in Neuroscience</i> , 2014, 8, 42.	2.8	63
14	Preservation of Facial Nerve Function after Postoperative Vasoactive Treatment in Vestibular Schwannoma Surgery. <i>Neurosurgery</i> , 2006, 59, 577-584.	1.1	58
15	MEG correlates of epileptic high gamma oscillations in invasive EEG. <i>Epilepsia</i> , 2010, 51, 1638-1642.	5.1	58
16	A Real-Time Monitoring System for the Facial Nerve. <i>Neurosurgery</i> , 2010, 66, 1064-1073.	1.1	56
17	Lobar localization information in epilepsy patients: MEG – A useful tool in routine presurgical diagnosis. <i>Epilepsy Research</i> , 2007, 76, 124-130.	1.6	54
18	Inter-Subject Variability of Skull Conductivity and Thickness in Calibrated Realistic Head Models. <i>NeuroImage</i> , 2020, 223, 117353.	4.2	53

#	ARTICLE	IF	CITATIONS
19	Spectral fingerprints or spectral tilt? Evidence for distinct oscillatory signatures of memory formation. <i>PLoS Biology</i> , 2019, 17, e3000403.	5.6	52
20	Periventricular nodular heterotopia: A challenge for epilepsy surgery. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2007, 16, 81-86.	2.0	50
21	Networks involved in seizure initiation. <i>Neurology</i> , 2012, 79, 249-253.	1.1	48
22	Clinical relevance of source location in frontal lobe epilepsy and prediction of postoperative long-term outcome. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 553-559.	2.0	46
23	Slow-theta power decreases during item-place encoding predict spatial accuracy of subsequent context recall. <i>NeuroImage</i> , 2016, 142, 533-543.	4.2	44
24	Zoomed MRI Guided by Combined EEG/MEG Source Analysis: A Multimodal Approach for Optimizing Presurgical Epilepsy Work-up and its Application in a Multi-focal Epilepsy Patient Case Study. <i>Brain Topography</i> , 2017, 30, 417-433.	1.8	40
25	Spatial relationship of source localizations in patients with focal epilepsy: Comparison of MEG and EEG with a three spherical shells and a boundary element volume conductor model. <i>Human Brain Mapping</i> , 2007, 28, 315-322.	3.6	39
26	Seizure Onset Determination. <i>Journal of Clinical Neurophysiology</i> , 2009, 26, 1-12.	1.7	39
27	A Frameless Stereotactic Implantation Technique for Depth Electrodes in Refractory Epilepsy Using Intraoperative Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2016, 94, 206-210.	1.3	36
28	The effect of stimulation type, head modeling, and combined EEG and MEG on the source reconstruction of the somatosensory P20/N20 component. <i>Human Brain Mapping</i> , 2019, 40, 5011-5028.	3.6	36
29	MEG in frontal lobe epilepsies: Localization and postoperative outcome. <i>Epilepsia</i> , 2011, 52, 2233-2238.	5.1	33
30	A pragmatic algorithm to select appropriate antiseizure medications in patients with epilepsy. <i>Epilepsia</i> , 2020, 61, 1668-1677.	5.1	32
31	Magnetoencephalography in presurgical epilepsy diagnosis. <i>Expert Review of Medical Devices</i> , 2007, 4, 335-347.	2.8	31
32	D-dimer plasma level: a reliable marker for venous thromboembolism after elective craniotomy. <i>Journal of Neurosurgery</i> , 2013, 119, 1340-1346.	1.6	30
33	Facial nerve palsy after vestibular schwannoma surgery: Dynamic risk-stratification based on continuous EMG-monitoring. <i>Clinical Neurophysiology</i> , 2014, 125, 415-421.	1.5	30
34	A statistical method for analyzing and comparing spatiotemporal cortical activation patterns. <i>Scientific Reports</i> , 2018, 8, 5433.	3.3	30
35	MRI essentials in epileptology: a review from the ILAE Imaging Taskforce. <i>Epileptic Disorders</i> , 2020, 22, 421-437.	1.3	28
36	Interictal magnetoencephalography used in magnetic resonance imaging-negative patients with epilepsy. <i>Acta Neurologica Scandinavica</i> , 2013, 127, 274-280.	2.1	26

#	ARTICLE	IF	CITATIONS
37	Lesion guided stereotactic radiofrequency thermocoagulation for palliative, in selected cases curative epilepsy surgery. <i>Epilepsy Research</i> , 2016, 121, 39-46.	1.6	26
38	The Effect of Head Model Simplification on Beamformer Source Localization. <i>Frontiers in Neuroscience</i> , 2017, 11, 625.	2.8	25
39	Multimodality approach in cryptogenic epilepsy with focus on morphometric 3T MRI. <i>Journal of Neuroradiology</i> , 2012, 39, 87-96.	1.1	24
40	Improved Postoperative Facial Nerve and Hearing Function in Retrosigmoid Vestibular Schwannoma Surgery Significantly Associated with Semisitting Position. <i>World Neurosurgery</i> , 2016, 87, 290-297.	1.3	24
41	Optimized set of criteria for defining interictal epileptiform EEG discharges. <i>Clinical Neurophysiology</i> , 2020, 131, 2250-2254.	1.5	24
42	Dysmorphic neurons as cellular source for phase-amplitude coupling in Focal Cortical Dysplasia Type II. <i>Clinical Neurophysiology</i> , 2021, 132, 782-792.	1.5	24
43	Coregistrating magnetic source and magnetic resonance imaging for epilepsy surgery in focal cortical dysplasia. <i>NeuroImage: Clinical</i> , 2018, 19, 487-496.	2.7	22
44	The intermedius nerve as a confounding variable for monitoring of the free-running electromyogram. <i>Clinical Neurophysiology</i> , 2015, 126, 1833-1839.	1.5	21
45	Hearing preservation in medial vestibular schwannomas. <i>Journal of Neurosurgery</i> , 2008, 109, 70-76.	1.6	20
46	Tumor origin and hearing preservation in vestibular schwannoma surgery. <i>Journal of Neurosurgery</i> , 2011, 115, 900-905.	1.6	20
47	Ictal Onset Baseline Shifts and Infraslow Activity. <i>Journal of Clinical Neurophysiology</i> , 2012, 29, 291-297.	1.7	20
48	Thalamic interictal epileptiform discharges in deep brain-stimulated epilepsy patients. <i>Journal of Neurology</i> , 2016, 263, 2120-2126.	3.6	20
49	The delta between postoperative seizure freedom and persistence: Automatically detected focal slow waves after epilepsy surgery. <i>NeuroImage: Clinical</i> , 2017, 13, 256-263.	2.7	20
50	How Many Electromyography Channels Do We Need for Facial Nerve Monitoring?. <i>Journal of Clinical Neurophysiology</i> , 2012, 29, 226-229.	1.7	19
51	Split facial nerve course in vestibular schwannomas. <i>Journal of Neurosurgery</i> , 2006, 105, 698-705.	1.6	17
52	Spontaneous Electromyographic Activity During Microvascular Decompression in Trigeminal Neuralgia. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 225-232.	1.7	17
53	The relationship between nervus intermedius anatomy, ultrastructure, electrophysiology, and clinical function. Usefulness in cerebellopontine microsurgery. <i>Acta Neurochirurgica</i> , 2014, 156, 403-408.	1.7	17
54	Intraoperative Magnetic-Resonance Tomography and Neuronavigation During Resection of Focal Cortical Dysplasia Type II in Adult Epilepsy Surgery Offers Better Seizure Outcomes. <i>World Neurosurgery</i> , 2018, 109, e43-e49.	1.3	17

#	ARTICLE	IF	CITATIONS
55	Increased spike frequency during general anesthesia with etomidate for magnetoencephalography in patients with focal epilepsies. <i>Clinical Neurophysiology</i> , 2010, 121, 1220-1226.	1.5	16
56	Influence of a Silastic ECoG Grid on EEG/ECoG Based Source Analysis. <i>Brain Topography</i> , 2013, 26, 212-228.	1.8	16
57	Etomidate activates epileptic high frequency oscillations. <i>Clinical Neurophysiology</i> , 2014, 125, 223-230.	1.5	16
58	“Learning comes of age: Web-based education provided by the International League Against Epilepsy. <i>Epileptic Disorders</i> , 2020, 22, 237-244.	1.3	16
59	On the opposition of EEG and MEG. <i>Clinical Neurophysiology</i> , 2007, 118, 1658-1659.	1.5	15
60	Neuroprotective Efficacy of Prophylactic Enteral and Parenteral Nimodipine Treatment in Vestibular Schwannoma Surgery: A Comparative Study. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2014, 75, 251-258.	0.8	15
61	Neuronal Correlates of Product Feature Attractiveness. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 147.	2.0	15
62	Reduced risk of venous thromboembolism with the use of intermittent pneumatic compression after craniotomy: a randomized controlled prospective study. <i>Journal of Neurosurgery</i> , 2019, 130, 622-628.	1.6	15
63	Rapid loading of intravenous lacosamide: Efficacy and practicability during presurgical video-EEG monitoring. <i>Epilepsia</i> , 2013, 54, 75-80.	5.1	14
64	Presurgical Functional Cortical Mapping Using Electromagnetic Source Imaging. <i>Frontiers in Neurology</i> , 2019, 10, 628.	2.4	14
65	Optimal choice of antiseizure medication: Agreement among experts and validation of a web-based decision support application. <i>Epilepsia</i> , 2021, 62, 220-227.	5.1	13
66	Monofocal MEG in lesional TLE: Does video EEG monitoring add crucial information?. <i>Epilepsy Research</i> , 2010, 92, 54-62.	1.6	12
67	Magnetoencephalography-guided surgery in frontal lobe epilepsy using neuronavigation and intraoperative MR imaging. <i>Epilepsy Research</i> , 2016, 126, 26-36.	1.6	12
68	A critical comparison between the semisitting and the supine positioning in vestibular schwannoma surgery: subgroup analysis of a randomized, multicenter trial. <i>Journal of Neurosurgery</i> , 2020, 133, 249-256.	1.6	12
69	A-trains for intraoperative monitoring in patients with recurrent vestibular schwannoma. <i>Acta Neurochirurgica</i> , 2013, 155, 2273-2279.	1.7	11
70	Case Report: Practicability of functionally based tractography of the optic radiation during presurgical epilepsy work up. <i>Neuroscience Letters</i> , 2014, 568, 56-61.	2.1	11
71	One EEG, one read – A manifesto towards reducing interrater variability among experts. <i>Clinical Neurophysiology</i> , 2022, 133, 68-70.	1.5	11
72	Validating EEG, MEG and Combined MEG and EEG Beamforming for an Estimation of the Epileptogenic Zone in Focal Cortical Dysplasia. <i>Brain Sciences</i> , 2022, 12, 114.	2.3	11

#	ARTICLE	IF	CITATIONS
73	Midline-craniotomy of the posterior fossa with attached bone flap: experiences in paediatric and adult patients. <i>Acta Neurochirurgica</i> , 2011, 153, 541-545.	1.7	10
74	Complementary use of video-electroencephalography and magnetoencephalography in frontal lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 426-430.	2.0	10
75	Prediction of Hearing Preservation in Vestibular Schwannoma Surgery According to Tumor Size and Anatomic Extension. <i>Otolaryngology - Head and Neck Surgery</i> , 2022, 166, 530-536.	1.9	10
76	Long-term experience with fractionated stereotactic radiotherapy in pharmaco-resistant epilepsy: Neurological and MRI changes. <i>Epilepsy Research</i> , 2012, 99, 14-20.	1.6	9
77	The Potential of Quantified Lower Cranial Nerve EMG for Monitoring of Anesthetic Depth. <i>Journal of Neurosurgical Anesthesiology</i> , 2012, 24, 139-145.	1.2	8
78	Improved EEG source localization employing 3D sensing by "Flying Triangulation". <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
79	Normal Variants in Magnetoencephalography. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 518-536.	1.7	8
80	The correlation between ictal semiology and magnetoencephalographic localization in frontal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2011, 22, 587-591.	1.7	7
81	Intraoperative auditory steady-state monitoring during surgery in the cerebellopontine angle for estimation of postoperative hearing classes. <i>Journal of Neurosurgery</i> , 2017, 127, 559-568.	1.6	7
82	A web-based algorithm to rapidly classify seizures for the purpose of drug selection. <i>Epilepsia</i> , 2021, 62, 2474-2484.	5.1	7
83	Web-based decision support system for patient-tailored selection of antiseizure medication in adolescents and adults: An external validation study. <i>European Journal of Neurology</i> , 2022, 29, 382-389.	3.3	7
84	Botulinum toxin for temporary corneal protection after surgery for vestibular schwannoma. <i>Journal of Neurosurgery</i> , 2011, 114, 426-431.	1.6	6
85	Interictal and Ictal MEG in presurgical evaluation for epilepsy surgery. <i>Acta Epileptologica</i> , 2020, 2, .	0.9	6
86	The EpiPick algorithm to select appropriate antiseizure medications in patients with epilepsy: Validation studies and updates. <i>Epilepsia</i> , 2022, 63, 254-255.	5.1	6
87	Comment: A systematic review on MEG and its use in the presurgical evaluation of localization-related epilepsy. <i>Epilepsy Research</i> , 2008, 82, 238-239.	1.6	5
88	Viability of Intraoperative Auditory Steady State Responses During Intracranial Surgery. <i>Journal of Clinical Neurophysiology</i> , 2014, 31, 344-351.	1.7	5
89	Investigation of subdural electrode displacement in invasive epilepsy surgery workup using neuronavigation and intraoperative MRI. <i>Neurological Research</i> , 2018, 40, 811-821.	1.3	5
90	A-train clusters and the intermedius nerve in vestibular schwannoma patients. <i>Clinical Neurophysiology</i> , 2019, 130, 722-726.	1.5	5

#	ARTICLE	IF	CITATIONS
91	A novel method for calibrating head models to account for variability in conductivity and its evaluation in a sphere model. <i>Physics in Medicine and Biology</i> , 2020, 65, 245043.	3.0	5
92	Baseline Correction of Intraoperative Electromyography using Discrete Wavelet Transform. <i>Journal of Clinical Monitoring and Computing</i> , 2007, 21, 219-226.	1.6	4
93	Towards an optimal paradigm for intraoperative auditory nerve monitoring with auditory steady state responses. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 123-134.	1.6	4
94	Clinical practice guidelines or clinical research guidelines?. <i>Clinical Neurophysiology</i> , 2018, 129, 2054-2055.	1.5	4
95	Individualized Targeting and Optimization of Multi-channel Transcranial Direct Current Stimulation in Drug-Resistant Epilepsy. , 2019, , .		4
96	It is time to harmonize clinical MEG practice internationally. <i>Clinical Neurophysiology</i> , 2020, 131, 1769-1771.	1.5	4
97	Prophylactic nimodipine treatment improves hearing outcome after vestibular schwannoma surgery in men: a subgroup analysis of a randomized multicenter phase III trial. <i>Neurosurgical Review</i> , 2021, 44, 1729-1735.	2.4	4
98	Advantages of magnetoencephalography, neuronavigation and intraoperative MRI in epilepsy surgery re-operations. <i>Neurological Research</i> , 2021, 43, 434-439.	1.3	4
99	Volumetry and Surgical Grading Systems for Vestibular Schwannoma Size Assessment and their Relationship to Postoperative Facial Nerve Function. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2022, 83, 039-045.	0.8	4
100	ILAE Neuroimaging Task Force highlight: Review MRI scans with semiology in mind. <i>Epileptic Disorders</i> , 2020, 22, 683-687.	1.3	4
101	MEG Node Degree Differences in Patients with Focal Epilepsy vs. Controlsâ€™Influence of Experimental Conditions. <i>Brain Sciences</i> , 2021, 11, 1590.	2.3	4
102	Learning from EMG: semi-automated grading of facial nerve function. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1509-1517.	1.6	4
103	Facial Nerve EMG: Low-Tech Monitoring with a Stopwatch. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 308-316.	0.8	3
104	Editorial: Magnetoencephalography (MEG) in Epilepsy and Neurosurgery. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 873153.	2.0	3
105	Magnetic resonance imaging dynamics of contrast medium uptake in vestibular schwannomas. <i>Journal of Neurosurgery</i> , 2011, 114, 394-399.	1.6	1
106	Direct current shifts, high frequency oscillations and the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2015, 126, 2-4.	1.5	1
107	Combined EEG/MEG Source Reconstruction of Epileptic Activity using a Two-Phase Spike Clustering Approach. , 2019, , .		1
108	Epithelioid Hemangioendothelioma in the Area of the Neurovascular Bundle of the Upper Arm Mimicking a Schwannoma of the Ulnar Nerve. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, , .	0.8	1

#	ARTICLE	IF	CITATIONS
109	Quellenlokalisierung in der prächirurgischen Epilepsiediagnostik. Zeitschrift Fur Epileptologie, 2018, 31, 169-169.	0.7	0
110	Intraoperative Estimation of Hearing Classes Using Auditory Steady-State Response. Journal of Neurological Surgery, Part B: Skull Base, 2016, 77, .	0.8	0
111	Epileptic Slow Wave Activity. , 2020, , 198-208.		0
112	Quellenlokalisierung. , 2020, , 313-319.		0
113	Magnetenzephalografie. , 2020, , 327-333.		0
114	Phase-amplitude coupling measures for determination of the epileptic network: A methodological comparison. Journal of Neuroscience Methods, 2022, 370, 109484.	2.5	0