Christian Hauptmann

List of Publications by Year
in descending order

52 papers	2,768 citations	172207 29 h-index	264894 42 g-index
54 all docs	54 docs citations	54 times ranked	1766 citing authors

#	Article	IF	Citations
1	Randomised controlled trial of interventions for bothersome tinnitus: Desyncra ^{TM} versus cognitive behavioural therapy. International Journal of Audiology, 2022, 61, 1035-1044.	0.9	4
2	Deep Brain Stimulation (Models, Theory, Techniques): Overview. , 2022, , 37-40.		0
3	A Matlab toolbox for analyzing repetitive movements: application in gait and tapping experiments. Biomedizinische Technik, 2020, 65, 447-459.	0.9	0
4	Brain Pacemaker. , 2020, , 235-262.		1
5	Adapted Acoustic CR Neuromodulation in Patients With Chronic Tonal Tinnitus and Hearing Loss. Frontiers in Medicine, 2018, 5, 288.	1.2	8
6	Brain Pacemaker. , 2018, , 1-29.		1
7	Acute effects and after-effects of acoustic coordinated reset neuromodulation in patients with chronic subjective tinnitus. NeuroImage: Clinical, 2017, 15, 541-558.	1.4	34
8	Technical Feasibility of Acoustic Coordinated Reset Therapy for Tinnitus Delivered via Hearing Aids: A Case Study. Case Reports in Otolaryngology, 2017, 2017, 1-6.	0.1	3
9	Capacitive Feedthroughs for Medical Implants. Frontiers in Neuroscience, 2016, 10, 404.	1.4	3
10	Validation of a Mobile Device for Acoustic Coordinated Reset Neuromodulation Tinnitus Therapy. Journal of the American Academy of Audiology, 2016, 27, 720-731.	0.4	17
11	Acoustic CR Neuromodulation Therapy for Subjective Tonal Tinnitus: A Review of Clinical Outcomes in an Independent Audiology Practice Setting. Frontiers in Neurology, 2015, 6, 54.	1.1	16
12	Acoustic Coordinated Reset Neuromodulation in a Real Life Patient Population with Chronic Tonal Tinnitus. BioMed Research International, 2015, 2015, 1-8.	0.9	20
13	Coordinated reset stimulation in a large-scale model of the STN-GPe circuit. Frontiers in Computational Neuroscience, 2014, 8, 154.	1.2	59
14	Abnormal cross-frequency coupling in the tinnitus network. Frontiers in Neuroscience, 2014, 8, 284.	1.4	30
15	Coordinated reset neuromodulation for Parkinson's disease: Proofâ€ofâ€concept study. Movement Disorders, 2014, 29, 1679-1684.	2.2	198
16	Reversing pathologically increased EEG power by acoustic coordinated reset neuromodulation. Human Brain Mapping, 2014, 35, 2099-2118.	1.9	81
17	Deep Brain Stimulation (Models, Theory, Techniques): Overview. , 2014, , 1-5.		0
18	Impact of acoustic coordinated reset neuromodulation on effective connectivity in a neural network of phantom sound. NeuroImage, 2013, 77, 133-147.	2.1	53

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19	Rebuttal to reply by G. RÃ¼cker and G. Antes on Tass et al. â€œCounteracting tinnitus by acoustic coordinated reset neuromodulationâ€, Restorative Neurology and Neuroscience Vol. 30(2), 2012. Restorative Neurology and Neuroscience, 2013, 31, 235-237.	0.4	3
20	Psychometric Evaluation of Visual Analog Scale for the Assessment of Chronic Tinnitus. American Journal of Audiology, 2012, 21, 215-225.	0.5	155
21	Coordinated reset has sustained aftereffects in Parkinsonian monkeys. Annals of Neurology, 2012, 72, 816-820.	2.8	249
22	Counteracting tinnitus by acoustic coordinated reset neuromodulation. Restorative Neurology and Neuroscience, 2012, 30, 137-159.	0.4	188
23	Linking the Tinnitus Questionnaire and the subjective Clinical Global Impression: Which differences are clinically important?. Health and Quality of Life Outcomes, 2012, 10, 79.	1.0	73
24	Changes of oscillatory activity in pitch processing network and related tinnitus relief induced by acoustic CR neuromodulation. Frontiers in Systems Neuroscience, 2012, 6, 18.	1.2	41
25	Modified Pulse Shapes for Effective Neural Stimulation. Frontiers in Neuroengineering, 2011, 4, 9.	4.8	69
26	The translational value of the MPTP non-human primate model of Parkinsonism for deep brain stimulation research. , 2011, 2011, 663-6.		0
27	Desynchronization (computational neuroscience). Scholarpedia Journal, 2011, 6, 1352.	0.3	2
28	Data-driven approach to the estimation of connectivity and time delays in the coupling of interacting neuronal subsystems. Journal of Neuroscience Methods, 2010, 191, 32-44.	1.3	26
29	Restoration of segregated, physiological neuronal connectivity by desynchronizing stimulation. Journal of Neural Engineering, 2010, 7, 056008.	1.8	37
30	The causal relationship between subcortical local field potential oscillations and Parkinsonian resting tremor. Journal of Neural Engineering, 2010, 7, 016009.	1.8	89
31	Long-lasting desynchronization in rat hippocampal slice induced by coordinated reset stimulation. Physical Review E, 2009, 80, 011902.	0.8	84
32	External trial deep brain stimulation device for the application of desynchronizing stimulation techniques. Journal of Neural Engineering, 2009, 6, 066003.	1.8	29
33	Cumulative and after-effects of short and weak coordinated reset stimulation: a modeling study. Journal of Neural Engineering, 2009, 6, 016004.	1.8	84
34	Brain Pacemaker. , 2009, , 626-644.		1
35	Impact of Nonlinear Delayed Feedback on Synchronized Oscillators. Journal of Biological Physics, 2008, 34, 267-279.	0.7	21
36	The generation of Parkinsonian tremor as revealed by directional coupling analysis. Europhysics Letters, 2008, 83, 20003.	0.7	51

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37	Tremor entrainment by patterned low-frequency stimulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3545-3573.	1.6	31
38	Reshaping connectivity patterns by controlling the collective dynamics of bursting neurons. , 2008, , .		0
39	Desynchronizing the abnormally synchronized neural activity in the subthalamic nucleus: a modeling study. Expert Review of Medical Devices, 2007, 4, 633-650.	1.4	37
40	Control of spatially patterned synchrony with multisite delayed feedback. Physical Review E, 2007, 76, 066209.	0.8	44
41	Therapeutic modulation of synaptic connectivity with desynchronizing brain stimulation. International Journal of Psychophysiology, 2007, 64, 53-61.	0.5	107
42	Multistability in the Kuramoto model with synaptic plasticity. Physical Review E, 2007, 75, 066207.	0.8	111
43	Therapeutic rewiring by means of desynchronizing brain stimulation. BioSystems, 2007, 89, 173-181.	0.9	101
44	Control of Neuronal Synchrony by Nonlinear Delayed Feedback. Biological Cybernetics, 2006, 95, 69-85.	0.6	152
45	DEVELOPMENT OF THERAPEUTIC BRAIN STIMULATION TECHNIQUES WITH METHODS FROM NONLINEAR DYNAMICS AND STATISTICAL PHYSICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1889-1911.	0.7	30
46	DESYNCHRONIZATION AND DECOUPLING OF INTERACTING OSCILLATORS BY NONLINEAR DELAYED FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1977-1987.	0.7	33
47	Effectively desynchronizing deep brain stimulation based on a coordinated delayed feedback stimulation via several sites: a computational study. Biological Cybernetics, 2005, 93, 463-470.	0.6	108
48	Effective Desynchronization by Nonlinear Delayed Feedback. Physical Review Letters, 2005, 94, 164102.	2.9	271
49	Demand-Controlled Desynchronization of Brain Rhythms by Means of Nonlinear Delayed Feedback. , 2005, 2005, 7656-9.		2
50	Information capacity and pattern formation in a tent map network featuring statistical periodicity. Physical Review E, 2003, 67, 026217.	0.8	9
51	Intermittent burst synchronization in neural networks. Lecture Notes in Computer Science, 2003, , 46-53.	1.0	2
52	Control of Synchronization in Oscillatory Neural Networks. , 0, , 651-682.		0