

Jochem W Rieger

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7638551/jochem-w-rieger-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

2,014
citations

20
h-index

44
g-index

70
ext. papers

2,367
ext. citations

4
avg, IF

4.63
L-index

#	Paper	IF	Citations
59	Sublexical cues affect degraded speech processing: insights from fMRI.. <i>Cerebral Cortex Communications</i> , 2022 , 3, tgac007	1.9	
58	Real-Time Feedback of Subjective Affect and Working Memory Load Based on Neurophysiological Activity. <i>Communications in Computer and Information Science</i> , 2021 , 80-87	0.3	
57	A Causal Model of Intersection-Related Collisions for Drivers With and Without Visual Field Loss. <i>Lecture Notes in Computer Science</i> , 2021 , 219-234	0.9	0
56	Recommendations of Choice of Head Coil and Prescan Normalize Filter Depend on Region of Interest and Task. <i>Frontiers in Neuroscience</i> , 2021 , 15, 735290	5.1	1
55	Effects of age-related hearing loss and hearing aid experience on sentence processing. <i>Scientific Reports</i> , 2021 , 11, 5994	4.9	6
54	Brain Oscillation Entrainment by Perceptible and Non-perceptible Rhythmic Light Stimulation. <i>Frontiers in Neuroergonomics</i> , 2021 , 2,	5.3	2
53	When Hearing Does Not Mean Understanding: On the Neural Processing of Syntactically Complex Sentences by Listeners With Hearing Loss. <i>Journal of Speech, Language, and Hearing Research</i> , 2021 , 64, 250-262	2.8	3
52	Modelling Turning Intention in Unsignalized Intersections with Bayesian Networks. <i>Communications in Computer and Information Science</i> , 2021 , 289-296	0.3	
51	Generalizable dimensions of human cortical auditory processing of speech in natural soundscapes: A data-driven ultra high field fMRI approach. <i>NeuroImage</i> , 2021 , 237, 118106	7.9	0
50	Investigating the Modulation of Spatio-Temporal and Oscillatory Power Dynamics by Perceptible and Non-perceptible Rhythmic Light Stimulation. <i>Lecture Notes in Networks and Systems</i> , 2021 , 11-19	0.5	1
49	High-gamma mirror activity patterns in the human brain during reach-to-grasp movement observation, retention, and execution-An MEG study. <i>PLoS ONE</i> , 2021 , 16, e0260304	3.7	0
48	Electrocorticography reveals continuous auditory and visual speech tracking in temporal and occipital cortex. <i>European Journal of Neuroscience</i> , 2020 , 51, 1364-1376	3.5	12
47	Neural Mechanisms Underlying the Processing of Complex Sentences: An fMRI Study. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2020 , 1, 226-248	2.6	2
46	An investigation into human-autonomous vs. human-human vehicle interaction in time-critical situations 2019 ,		4
45	Sentence processing is modulated by the current linguistic environment and a priori information: An fMRI study. <i>Brain and Behavior</i> , 2019 , 9, e01308	3.4	2
44	Science of design for societal-scale cyber-physical systems: challenges and opportunities. <i>Cyber-Physical Systems</i> , 2019 , 5, 145-172	1.1	2
43	Monte Carlo Methods for Real-Time Driver Workload Estimation Using a Cognitive Architecture. <i>Topics in Intelligent Engineering and Informatics</i> , 2019 , 25-48	0.4	

42	Cortical and subcortical areas involved in the regulation of reach movement speed in the human brain: An fMRI study. <i>Human Brain Mapping</i> , 2019 , 40, 151-162	5.9	8
41	Demonstrating Brain-Level Interactions Between Visuospatial Attentional Demands and Working Memory Load While Driving Using Functional Near-Infrared Spectroscopy. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 542	3.3	11
40	Development of a Mobile Functional Near-infrared Spectroscopy Prototype and its Initial Evaluation 2018 ,		1
39	Estimating Cognitive Workload Levels While Driving Using Functional Near-Infrared Spectroscopy (fNIRS) 2018 , 205-206		
38	Assessing Driver Frustration Using Functional Near-Infrared Spectroscopy (fNIRS) 2018 , 215-216		
37	Recognizing Frustration of Drivers From Face Video Recordings and Brain Activation Measurements With Functional Near-Infrared Spectroscopy. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 327	3.3	19
36	An MR-compatible gyroscope-based arm movement tracking system. <i>Journal of Neuroscience Methods</i> , 2017 , 280, 16-26	3	4
35	Human centromedian-parafascicular complex signals sensory cues for goal-oriented behavior selection. <i>NeuroImage</i> , 2017 , 152, 390-399	7.9	10
34	Assessing the Driver's Current Level of Working Memory Load with High Density Functional Near-infrared Spectroscopy: A Realistic Driving Simulator Study. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 167	3.3	44
33	Tradeoff between User Experience and BCI Classification Accuracy with Frequency Modulated Steady-State Visual Evoked Potentials. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 391	3.3	12
32	Encoding and Decoding Models in Cognitive Electrophysiology. <i>Frontiers in Systems Neuroscience</i> , 2017 , 11, 61	3.5	55
31	Characterizing the Influence of Muscle Activity in fNIRS Brain Activation Measurements. <i>IFAC-PapersOnLine</i> , 2016 , 49, 84-88	0.7	10
30	Rapid tuning shifts in human auditory cortex enhance speech intelligibility. <i>Nature Communications</i> , 2016 , 7, 13654	17.4	48
29	Towards the integration and evaluation of online workload measures in a cognitive architecture 2016 ,		8
28	Frontal and motor cortex contributions to response inhibition: evidence from electrocorticography. <i>Journal of Neurophysiology</i> , 2016 , 115, 2224-36	3.2	27
27	Qualitative assessment of patients' attitudes and expectations toward BCIs and implications for future technology development. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 64	3.5	18
26	Brain activity measured with fNIRS for the prediction of cognitive workload 2015 ,		13
25	Brain-Controlled Selection of Objects Combined with Autonomous Robotic Grasping. <i>Springer Series in Computational Neuroscience</i> , 2015 , 65-77	1.1	

24	Decoding spectrotemporal features of overt and covert speech from the human cortex. <i>Frontiers in Neuroengineering</i> , 2014 , 7, 14		107
23	Online tracking of the contents of conscious perception using real-time fMRI. <i>Frontiers in Neuroscience</i> , 2014 , 8, 116	5.1	21
22	Hidden Markov model and support vector machine based decoding of finger movements using electrocorticography. <i>Journal of Neural Engineering</i> , 2013 , 10, 056020	5	27
21	BOLD responses in human V1 to local structure in natural scenes: Implications for theories of visual coding. <i>Journal of Vision</i> , 2013 , 13, 19	0.4	9
20	Predicting decisions in human social interactions using real-time fMRI and pattern classification. <i>PLoS ONE</i> , 2011 , 6, e25304	3.7	34
19	Categorical speech representation in human superior temporal gyrus. <i>Nature Neuroscience</i> , 2010 , 13, 1428-32	25.5	387
18	PyMVPA: A Unifying Approach to the Analysis of Neuroscientific Data. <i>Frontiers in Neuroinformatics</i> , 2009 , 3, 3	3.9	89
17	Maximum noise fraction (MNF) transformation to remove ballistocardiographic artifacts in EEG signals recorded during fMRI scanning. <i>NeuroImage</i> , 2009 , 46, 144-53	7.9	15
16	Different spatial organizations of saccade related BOLD-activation in parietal and striate cortex. <i>Brain Research</i> , 2008 , 1233, 89-97	3.7	15
15	Predicting the recognition of natural scenes from single trial MEG recordings of brain activity. <i>NeuroImage</i> , 2008 , 42, 1056-68	7.9	37
14	Cortical functional anatomy of voluntary saccades in Parkinson disease. <i>Clinical EEG and Neuroscience</i> , 2008 , 39, 169-74	2.3	26
13	Speed limits: orientation and semantic context interactions constrain natural scene discrimination dynamics. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008 , 34, 56-76	2.6	17
12	Analysis of a choice-reaction task yields a new interpretation of Libet's experiments. <i>International Journal of Psychophysiology</i> , 2008 , 67, 151-7	2.9	16
11	The appearance of figures seen through a narrow aperture under free viewing conditions: effects of spontaneous eye motions. <i>Journal of Vision</i> , 2007 , 7, 10	0.4	12
10	Endoscopic eye tracking system for fMRI. <i>Journal of Neuroscience Methods</i> , 2007 , 160, 10-5	3	34
9	Audiovisual temporal correspondence modulates human multisensory superior temporal sulcus plus primary sensory cortices. <i>Journal of Neuroscience</i> , 2007 , 27, 11431-41	6.6	234
8	Stimulus intensity affects early sensory processing: visual contrast modulates evoked gamma-band activity in human EEG. <i>International Journal of Psychophysiology</i> , 2007 , 66, 28-36	2.9	41
7	The neural site of attention matches the spatial scale of perception. <i>Journal of Neuroscience</i> , 2006 , 26, 3532-40	6.6	106

6	The effect of retinal stabilization on anorthoscopic percepts under free-viewing conditions. <i>Vision Research</i> , 2005 , 45, 567-82	2.1	20
5	The dynamics of visual pattern masking in natural scene processing: a magnetoencephalography study. <i>Journal of Vision</i> , 2005 , 5, 275-86	0.4	25
4	Functional measurements of human ventral occipital cortex: retinotopy and colour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 963-73	5.8	180
3	Sensory and cognitive contributions of color to the recognition of natural scenes. <i>Current Biology</i> , 2000 , 10, 805-8	6.3	199
2	Contrast sensitivity and appearance in briefly presented illusory figures. <i>Spatial Vision</i> , 1999 , 12, 329-44		3
1	Interpolation processes in the perception of real and illusory contours. <i>Perception</i> , 1997 , 26, 1445-58	1.2	26