

Jochem W Rieger

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,683
citations

279487

23
h-index

197535

49
g-index

70
all docs

70
docs citations

70
times ranked

3422
citing authors

#	ARTICLE	IF	CITATIONS
1	Sublexical cues affect degraded speech processing: insights from fMRI. <i>Cerebral Cortex Communications</i> , 2022, 3, tgac007.	0.7	3
2	Investigating Differences in Behavior and Brain in Human-Human and Human-Autonomous Vehicle Interactions in Time-Critical Situations. <i>Frontiers in Neuroergonomics</i> , 2022, 3, .	0.6	4
3	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.	0.7	3
4	Modelling Turning Intention in Unsignalized Intersections with Bayesian Networks. <i>Communications in Computer and Information Science</i> , 2021, , 289-296.	0.4	0
5	Effects of age-related hearing loss and hearing aid experience on sentence processing. <i>Scientific Reports</i> , 2021, 11, 5994.	1.6	14
6	Brain Oscillation Entrainment by Perceptible and Non-perceptible Rhythmic Light Stimulation. <i>Frontiers in Neuroergonomics</i> , 2021, 2, .	0.6	5
7	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.	2.1	4
8	Evaluation of graphical human-machine interfaces for turning manoeuvres in automated vehicles. , 2021, , .		1
9	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.	1.4	9
10	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.	0.4	1
11	High-gamma mirror activity patterns in the human brain during reach-to-grasp movement observation, retention, and executionâ€”An MEG study. <i>PLoS ONE</i> , 2021, 16, e0260304.	1.1	3
12	Electrocorticography reveals continuous auditory and visual speech tracking in temporal and occipital cortex. <i>European Journal of Neuroscience</i> , 2020, 51, 1364-1376.	1.2	19
13	Neural Mechanisms Underlying the Processing of Complex Sentences: An fMRI Study. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2020, 1, 226-248.	1.7	3
14	An investigation into human-autonomous vs. human-human vehicle interaction in time-critical situations. , 2019, , .		12
15	Sentence processing is modulated by the current linguistic environment and a priori information: An fMRI study. <i>Brain and Behavior</i> , 2019, 9, e01308.	1.0	2
16	Science of design for societal-scale cyber-physical systems: challenges and opportunities. <i>Cyber-Physical Systems</i> , 2019, 5, 145-172.	1.6	6
17	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	1
18	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.	1.9	14

#	ARTICLE	IF	CITATIONS
19	Estimating Cognitive Workload Levels While Driving Using Functional Near-Infrared Spectroscopy (fNIRS). , 2018, , 205-206.		0
20	Assessing Driver Frustration Using Functional Near-Infrared Spectroscopy (fNIRS). , 2018, , 215-216.		0
21	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.	1.0	37
22	Development of a Mobile Functional Near-infrared Spectroscopy Prototype and its Initial Evaluation. , 2018, , .		1
23	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.	1.0	18
24	An MR-compatible gyroscope-based arm movement tracking system. <i>Journal of Neuroscience Methods</i> , 2017, 280, 16-26.	1.3	6
25	Human centromedian-parafascicular complex signals sensory cues for goal-oriented behavior selection. <i>NeuroImage</i> , 2017, 152, 390-399.	2.1	15
26	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.	1.0	67
27	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.	1.0	28
28	Encoding and Decoding Models in Cognitive Electrophysiology. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 61.	1.2	116
29	Rapid tuning shifts in human auditory cortex enhance speech intelligibility. <i>Nature Communications</i> , 2016, 7, 13654.	5.8	71
30	Towards the integration and evaluation of online workload measures in a cognitive architecture. , 2016, , .		8
31	Frontal and motor cortex contributions to response inhibition: evidence from electrocorticography. <i>Journal of Neurophysiology</i> , 2016, 115, 2224-2236.	0.9	48
32	Characterizing the Influence of Muscle Activity in fNIRS Brain Activation Measurements. <i>IFAC-PapersOnLine</i> , 2016, 49, 84-88.	0.5	12
33	Qualitative assessment of patients' attitudes and expectations toward BCIs and implications for future technology development. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 64.	1.2	25
34	Brain activity measured with fNIRS for the prediction of cognitive workload. , 2015, , .		18
35	Brain-Controlled Selection of Objects Combined with Autonomous Robotic Grasping. <i>Springer Series in Computational Neuroscience</i> , 2015, , 65-77.	0.3	0
36	Online tracking of the contents of conscious perception using real-time fMRI. <i>Frontiers in Neuroscience</i> , 2014, 8, 116.	1.4	26

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37	Decoding spectrotemporal features of overt and covert speech from the human cortex. <i>Frontiers in Neuroengineering</i> , 2014, 7, 14.	4.8	144
38	Hidden Markov model and support vector machine based decoding of finger movements using electrocorticography. <i>Journal of Neural Engineering</i> , 2013, 10, 056020.	1.8	39
39	BOLD responses in human V1 to local structure in natural scenes: Implications for theories of visual coding. <i>Journal of Vision</i> , 2013, 13, 19-19.	0.1	13
40	Predicting Decisions in Human Social Interactions Using Real-Time fMRI and Pattern Classification. <i>PLoS ONE</i> , 2011, 6, e25304.	1.1	43
41	Categorical speech representation in human superior temporal gyrus. <i>Nature Neuroscience</i> , 2010, 13, 1428-1432.	7.1	484
42	PyMVPA: a unifying approach to the analysis of neuroscientific data. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 3.	1.3	98
43	Maximum noise fraction (MNF) transformation to remove ballistocardiographic artifacts in EEG signals recorded during fMRI scanning. <i>NeuroImage</i> , 2009, 46, 144-153.	2.1	17
44	Different spatial organizations of saccade related BOLD-activation in parietal and striate cortex. <i>Brain Research</i> , 2008, 1233, 89-97.	1.1	17
45	Predicting the recognition of natural scenes from single trial MEG recordings of brain activity. <i>NeuroImage</i> , 2008, 42, 1056-1068.	2.1	44
46	Cortical Functional Anatomy of Voluntary Saccades in Parkinson Disease. <i>Clinical EEG and Neuroscience</i> , 2008, 39, 169-174.	0.9	29
47	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.	0.7	21
48	Audiovisual Temporal Correspondence Modulates Human Multisensory Superior Temporal Sulcus Plus Primary Sensory Cortices. <i>Journal of Neuroscience</i> , 2007, 27, 11431-11441.	1.7	279
49	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.	0.5	52
50	Analysis of a choice-reaction task yields a new interpretation of Libet's experiments. <i>International Journal of Psychophysiology</i> , 2007, 67, 151-7.	0.5	23
51	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.	0.1	23
52	Endoscopic eye tracking system for fMRI. <i>Journal of Neuroscience Methods</i> , 2007, 160, 10-15.	1.3	38
53	The Neural Site of Attention Matches the Spatial Scale of Perception. <i>Journal of Neuroscience</i> , 2006, 26, 3532-3540.	1.7	116
54	The dynamics of visual pattern masking in natural scene processing: A magnetoencephalography study. <i>Journal of Vision</i> , 2005, 5, 10.	0.1	33

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55	The effect of retinal stabilization on anorthoscopic percepts under free-viewing conditions. <i>Vision Research</i> , 2005, 45, 567-582.	0.7	21
56	Functional measurements of human ventral occipital cortex: retinotopy and colour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 963-973.	1.8	231
57	Sensory and cognitive contributions of color to the recognition of natural scenes. <i>Current Biology</i> , 2000, 10, 805-808.	1.8	233
58	Contrast sensitivity and appearance in briefly presented illusory figures. <i>Spatial Vision</i> , 1999, 12, 329-344.	1.4	5
59	Interpolation Processes in the Perception of Real and Illusory Contours. <i>Perception</i> , 1997, 26, 1445-1458.	0.5	31
60	Neural Responses to Speech-Specific Modulations Derived from a Spectro-Temporal Filter Bank. , 0, , .		1
61	Demonstrating brain-level interactions between working memory load and driving demand level using fNIRS. <i>Frontiers in Human Neuroscience</i> , 0, 12, .	1.0	0
62	Demonstrating brain-level interactions between working memory load and frustration while driving using functional near-infrared spectroscopy. <i>Frontiers in Human Neuroscience</i> , 0, 12, .	1.0	0
63	Opportunities and Limitations of a Gaze-Contingent Display to Simulate Visual Field Loss in Driving Simulator Studies. <i>Frontiers in Neuroergonomics</i> , 0, 3, .	0.6	4