

# Andy Schumann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5120149/publications.pdf>

Version: 2024-02-01

22  
papers

433  
citations

840776

11  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic aging – A dataset to quantify changes of cardiovascular autonomic function during healthy aging. <i>Scientific Data</i> , 2022, 9, 95.	5.3	21
2	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	2.4	33
3	Interrelations between dopamine and serotonin producing sites and regions of the default mode network. <i>Human Brain Mapping</i> , 2021, 42, 811-823.	3.6	12
4	Working memory in schizophrenia: The role of the locus coeruleus and its relation to functional brain networks. <i>Brain and Behavior</i> , 2021, 11, e02130.	2.2	4
5	The Influence of Heart Rate Variability Biofeedback on Cardiac Regulation and Functional Brain Connectivity. <i>Frontiers in Neuroscience</i> , 2021, 15, 691988.	2.8	36
6	Estimating Resting HRV during fMRI: A Comparison between Laboratory and Scanner Environment. <i>Sensors</i> , 2021, 21, 7663.	3.8	4
7	Functional consequences of acute tryptophan depletion on raphe nuclei connectivity and network organization in healthy women. <i>NeuroImage</i> , 2020, 207, 116362.	4.2	12
8	Sympathetic and Parasympathetic Modulation of Pupillary Unrest. <i>Frontiers in Neuroscience</i> , 2020, 14, 178.	2.8	21
9	Brain-heart interactions considering complex physiological data: processing schemes for time-variant, frequency-dependent, topographical and statistical examination of directed interactions by convergent cross mapping. <i>Physiological Measurement</i> , 2019, 40, 114001.	2.1	30
10	Effect of an eight-week smartphone-guided HRV-biofeedback intervention on autonomic function and impulsivity in healthy controls. <i>Physiological Measurement</i> , 2019, 40, 064001.	2.1	20
11	The relationship between heart rate and functional connectivity of brain regions involved in autonomic control. <i>NeuroImage</i> , 2019, 196, 318-328.	4.2	35
12	Nonlinear single-input single-output model-based estimation of cardiac output for normal and depressed cases. <i>Neural Computing and Applications</i> , 2019, 31, 2955-2978.	5.6	12
13	Resting-state functional connectivity of neurotransmitter producing sites in female patients with borderline personality disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 83, 118-126.	4.8	17
14	The Use of Physiological Signals in Brainstem/Midbrain fMRI. <i>Frontiers in Neuroscience</i> , 2018, 12, 718.	2.8	8
15	ECG derived respiration: comparison of time-domain approaches and application to altered breathing patterns of patients with schizophrenia. <i>Physiological Measurement</i> , 2017, 38, 601-615.	2.1	22
16	Impact of the heart rate on the shape of the cardiac response function. <i>NeuroImage</i> , 2017, 162, 214-225.	4.2	7
17	Baroreflex Coupling Assessed by Cross-Compression Entropy. <i>Frontiers in Physiology</i> , 2017, 8, 282.	2.8	8
18	Forecasting transient sleep episodes by pupil size variability. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 583-586.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Deriving respiration from high resolution 12-channel-ECG during cycling exercise. Current Directions in Biomedical Engineering, 2016, 2, 171-174.	0.4	5
20	Nonlinear causal influences assessed by mutual compression entropy. Current Directions in Biomedical Engineering, 2016, 2, 221-224.	0.4	0
21	Functional connectivity and network analysis of midbrain and brainstem nuclei. NeuroImage, 2016, 134, 53-63.	4.2	117
22	Estimation of a respiratory signal from a single-lead ECG using the 4th order central moments. Current Directions in Biomedical Engineering, 2015, 1, 61-64.	0.4	6