

Niklas Manz

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,159
citations

394286

19
h-index

395590

33
g-index

40
all docs

40
docs citations

40
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurocognitive deficits in male alcoholics: An ERP/sLORETA analysis of the N2 component in an equal probability Go/NoGo task. <i>Biological Psychology</i> , 2012, 89, 170-182.	1.1	97
2	A genome-wide association study of alcohol-dependence symptom counts in extended pedigrees identifies C15orf53. <i>Molecular Psychiatry</i> , 2013, 18, 1218-1224.	4.1	78
3	Dysfunctional reward processing in male alcoholics: An ERP study during a gambling task. <i>Journal of Psychiatric Research</i> , 2010, 44, 576-590.	1.5	76
4	Single Nucleotide Polymorphisms in Corticotropin Releasing Hormone Receptor 1 Gene (<i>CRHR1</i>) Are Associated With Quantitative Trait of Event-Related Potential and Alcohol Dependence. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 988-996.	1.4	68
5	Genome-wide association study of theta band event-related oscillations identifies serotonin receptor gene <i>HTR7</i> influencing risk of alcohol dependence. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2011, 156, 44-58.	1.1	67
6	Theta oscillations during the processing of monetary loss and gain: A perspective on gender and impulsivity. <i>Brain Research</i> , 2008, 1235, 45-62.	1.1	66
7	Brain signatures of monetary loss and gain: Outcome-related potentials in a single outcome gambling task. <i>Behavioural Brain Research</i> , 2009, 197, 62-76.	1.2	64
8	Anomalous Dispersion and Attractive Pulse Interaction in the 1,4-Cyclohexanedione Belousov-Zhabotinsky Reaction. <i>Journal of Physical Chemistry A</i> , 2001, 105, 6144-6153.	1.1	63
9	Delta, theta, and alpha event-related oscillations in alcoholics during Go/NoGo task: Neurocognitive deficits in execution, inhibition, and attention processing. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 65, 158-171.	2.5	58
10	Anomalous Dispersion of Chemical Waves in a Homogeneously Catalyzed Reaction System. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5895-5897.	1.1	51
11	Family-based genome-wide association study of frontal theta oscillations identifies potassium channel gene <i>KCNJ6</i> . <i>Genes, Brain and Behavior</i> , 2012, 11, 712-719.	1.1	51
12	Topography, power, and current source density of theta oscillations during reward processing as markers for alcohol dependence. <i>Human Brain Mapping</i> , 2012, 33, 1019-1039.	1.9	44
13	Tracking Waves and Vortex Nucleation in Excitable Systems with Anomalous Dispersion. <i>Physical Review Letters</i> , 2004, 92, 248301.	2.9	31
14	An endophenotype approach to the genetics of alcohol dependence: a genome wide association study of fast beta EEG in families of African ancestry. <i>Molecular Psychiatry</i> , 2017, 22, 1767-1775.	4.1	27
15	Excitation Fronts on a Periodically Modulated Curved Surface. <i>Physical Review Letters</i> , 2000, 85, 868-871.	2.9	26
16	Deficient Event-Related Theta Oscillations in Individuals at Risk for Alcoholism: A Study of Reward Processing and Impulsivity Features. <i>PLoS ONE</i> , 2015, 10, e0142659.	1.1	24
17	Variants Located Upstream of <i>CHRNA4</i> on Chromosome 15q25.1 Are Associated with Age at Onset of Daily Smoking and Habitual Smoking. <i>PLoS ONE</i> , 2012, 7, e33513.	1.1	24
18	Propagation failures, breathing pulses, and backfiring in an excitable reaction-diffusion system. <i>Chaos</i> , 2006, 16, 037112.	1.0	23

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19	Reward processing deficits and impulsivity in high-risk offspring of alcoholics: A study of event-related potentials during a monetary gambling task. <i>International Journal of Psychophysiology</i> , 2015, 98, 182-200.	0.5	23
20	Anomalous dispersion in the Belousov-Zhabotinsky reaction: Experiments and modeling. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 766-775.	1.3	20
21	Genetic and Neurophysiological Correlates of the Age of Onset of Alcohol Use Disorders in Adolescents and Young Adults. <i>Behavior Genetics</i> , 2013, 43, 386-401.	1.4	19
22	Gender modulates the development of theta event related oscillations in adolescents and young adults. <i>Behavioural Brain Research</i> , 2015, 292, 342-352.	1.2	18
23	Critical properties of excitation waves on curved surfaces: Curvature-dependent loss of excitability. <i>Europhysics Letters</i> , 2002, 59, 344-350.	0.7	15
24	A KCNJ6 gene polymorphism modulates theta oscillations during reward processing. <i>International Journal of Psychophysiology</i> , 2017, 115, 13-23.	0.5	15
25	Genetic correlates of the development of theta event related oscillations in adolescents and young adults. <i>International Journal of Psychophysiology</i> , 2017, 115, 24-39.	0.5	15
26	Excitation fronts in a spatially modulated light-sensitive Belousov-Zhabotinsky system. <i>Physical Review E</i> , 2002, 66, 036207.	0.8	14
27	Meandering Spiral Waves in the 1,4-Cyclohexanedione Belousov-Zhabotinsky System Catalyzed by Fe[batho(SO ₃) ₂] ^{34-/3-} . <i>Journal of Physical Chemistry A</i> , 2003, 107, 11008-11012.	1.1	14
28	Propagation failure dynamics of wave trains in excitable systems. <i>Physical Review E</i> , 2006, 73, 066218.	0.8	12
29	Dependence of the spiral rotation frequency on the surface curvature of reaction-diffusion systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 316, 311-316.	0.9	10
30	A genome wide association study of fast beta EEG in families of European ancestry. <i>International Journal of Psychophysiology</i> , 2017, 115, 74-85.	0.5	9
31	Dynamics of excitation pulses with attractive interaction: Kinematic analysis and chemical wave experiments. <i>Physical Review E</i> , 2004, 70, 066213.	0.8	8
32	Tracking Waves and Spiral Drift in Reaction-Diffusion Systems with Finite Bandwidth Dispersion Relations. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5295-5298.	1.1	7
33	Nonreplication of an association of SGIP1 SNPs with alcohol dependence and resting theta EEG power. <i>Psychiatric Genetics</i> , 2011, 21, 265-266.	0.6	6
34	Disruption and recovery of reaction-diffusion wavefronts colliding with obstacles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 307-320.	1.2	4
35	Geographic tongue as a reaction-diffusion system. <i>Chaos</i> , 2021, 31, 033118.	1.0	4
36	Fabrication of quasi-two-dimensional, heterogeneously curved Belousov-Zhabotinsky systems. <i>Review of Scientific Instruments</i> , 2003, 74, 5161-5166.	0.6	3

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37	Patterns and Humans. The Frontiers Collection, 2019, , 217-224.	0.1	2
38	Science, serendipity, coincidence, and the Oregonator at the University of Oregon, 1969â€“1974. Chaos, 2022, 32, .	1.0	2
39	Compensation of curvature effects by illumination. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 311-315.	0.9	1
40	Disruption and recovery of reactionâ€“diffusion wavefronts interacting with concave, fractal, and soft obstacles. Physica A: Statistical Mechanics and Its Applications, 2021, 565, 125536.	1.2	0