Claudia Lainscsek

List of Publications by Year
in descending order

35 papers	1,463 citations	623188 14 h-index	500791 28 g-index
38 all docs	38 docs citations	38 times ranked	1140 citing authors

#	Article	IF	Citations
1	Diffeomorphical equivalence vs topological equivalence among Sprott systems. Chaos, 2021, 31, 083126.	1.0	4
2	Dynamical ergodicity DDA reveals causal structure in time series. Chaos, 2021, 31, 103108.	1.0	4
3	Assessing observability of chaotic systems using Delay Differential Analysis. Chaos, 2020, 30, 103113.	1.0	7
4	Causality detection in cortical seizure dynamics using cross-dynamical delay differential analysis. Chaos, 2019, 29, 101103.	1.0	11
5	Delay differential analysis for dynamical sleep spindle detection. Journal of Neuroscience Methods, 2019, 316, 12-21.	1.3	11
6	Characterizing Brain Connectivity From Human Electrocorticography Recordings With Unobserved Inputs During Epileptic Seizures. Neural Computation, 2019, 31, 1271-1326.	1.3	6
7	Nonlinear dynamics underlying sensory processing dysfunction in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3847-3852.	3.3	21
8	Cortical chimera states predict epileptic seizures. Chaos, 2019, 29, 121106.	1.0	27
9	Interpretation of the Precision Matrix and Its Application in Estimating Sparse Brain Connectivity during Sleep Spindles from Human Electrocorticography Recordings. Neural Computation, 2017, 29, 603-642.	1.3	20
10	Delay Differential Analysis of Seizures in Multichannel Electrocorticography Data. Neural Computation, 2017, 29, 3181-3218.	1.3	13
11	Analytical Derivation of Nonlinear Spectral Effects and 1/f Scaling Artifact in Signal Processing of Real-World Data. Neural Computation, 2017, 29, 2004-2020.	1.3	3
12	Delay Differential Analysis of Time Series. Neural Computation, 2015, 27, 594-614.	1.3	24
13	Discovering independent parameters in complex dynamical systems. Chaos, Solitons and Fractals, 2015, 76, 182-189.	2.5	3
14	Delay Differential Analysis of Electroencephalographic Data. Neural Computation, 2015, 27, 615-627.	1.3	10
15	Muscle artifacts in single trial EEG data distinguish patients with Parkinson's disease from healthy individuals. , 2014, 2014, 3292-5.		3
16	Delay Differential Equation Models of Normal and Diseased Electrocardiograms. Understanding Complex Systems, 2014, , 67-76.	0.3	1
17	Electrocardiogram classification using delay differential equations. Chaos, 2013, 23, 023132.	1.0	24
18	Multivariate spectral analysis of electroencephalography data. , 2013, , .		2

#	Article	IF	Citations
19	Non-Linear Dynamical Classification of Short Time Series of the Rössler System in High Noise Regimes. Frontiers in Neurology, 2013, 4, 182.	1.1	20
20	Non-Linear Dynamical Analysis of EEG Time Series Distinguishes Patients with Parkinson's Disease from Healthy Individuals. Frontiers in Neurology, 2013, 4, 200.	1.1	43
21	A class of Lorenz-like systems. Chaos, 2012, 22, 013126.	1.0	18
22	Finger tapping movements of Parkinson's disease patients automatically rated using nonlinear delay differential equations. Chaos, 2012, 22, 013119.	1.0	28
23	Nonuniqueness of global modeling and time scaling. Physical Review E, 2011, 84, 046205.	0.8	16
24	Nonlinear DDE Analysis of Repetitive Hand Movements in Parkinson's Disease. Understanding Complex Systems, 2009, , 421-425.	0.3	5
25	Automatic Recognition of Facial Actions in Spontaneous Expressions. Journal of Multimedia, 2006, 1, .	0.3	354
26	Identification of Nonlinear Oscillator Models for Speech Analysis and Synthesis. Lecture Notes in Computer Science, 2005, , 74-113.	1.0	5
27	Global modeling of the Rössler system from the z-variable. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 314, 409-427.	0.9	45
28	Characterization of various fluids in cylinders from dolphin sonar data in the interval domain. , 2003, , .		5
29	Ansatz library for global modeling with a structure selection. Physical Review E, 2001, 64, 016206.	0.8	27
30	Equivariance identification using delay differential equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 265, 264-273.	0.9	4
31	A nine-dimensional Lorenz system to study high-dimensional chaos. Journal of Physics A, 1998, 31, 7121-7139.	1.6	55
32	A General Form for Global Dynamical Data Models for Three-Dimensional Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 899-914.	0.7	8
33	Machine learning methods for fully automatic recognition of facial expressions and facial actions. , 0, , .		87
34	Recognizing Facial Expression: Machine Learning and Application to Spontaneous Behavior. , 0, , .		345
35	Fully Automatic Facial Action Recognition in Spontaneous Behavior. , 0, , .		195