

Claudia Lainscsek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2906420/publications.pdf>

Version: 2024-02-01

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 | Automatic Recognition of Facial Actions in Spontaneous Expressions. Journal of Multimedia, 2006, 1, . | 0.3 | 354 |
| 2 | Recognizing Facial Expression: Machine Learning and Application to Spontaneous Behavior. , 0, , . | | 345 |
| 3 | Fully Automatic Facial Action Recognition in Spontaneous Behavior. , 0, , . | | 195 |
| 4 | Machine learning methods for fully automatic recognition of facial expressions and facial actions. , 0, , . | | 87 |
| 5 | A nine-dimensional Lorenz system to study high-dimensional chaos. Journal of Physics A, 1998, 31, 7121-7139. | 1.6 | 55 |
| 6 | 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 |
| 7 | 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 |
| 8 | Finger tapping movements of Parkinson's disease patients automatically rated using nonlinear delay differential equations. Chaos, 2012, 22, 013119. | 1.0 | 28 |
| 9 | Ansatz library for global modeling with a structure selection. Physical Review E, 2001, 64, 016206. | 0.8 | 27 |
| 10 | Cortical chimera states predict epileptic seizures. Chaos, 2019, 29, 121106. | 1.0 | 27 |
| 11 | Electrocardiogram classification using delay differential equations. Chaos, 2013, 23, 023132. | 1.0 | 24 |
| 12 | Delay Differential Analysis of Time Series. Neural Computation, 2015, 27, 594-614. | 1.3 | 24 |
| 13 | 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 |
| 14 | 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 |
| 15 | Interpretation of the Precision Matrix and Its Application in Estimating Sparse Brain Connectivity during Sleep Spindles from Human Electroencephalography Recordings. Neural Computation, 2017, 29, 603-642. | 1.3 | 20 |
| 16 | A class of Lorenz-like systems. Chaos, 2012, 22, 013126. | 1.0 | 18 |
| 17 | Nonuniqueness of global modeling and time scaling. Physical Review E, 2011, 84, 046205. | 0.8 | 16 |
| 18 | Delay Differential Analysis of Seizures in Multichannel Electroencephalography Data. Neural Computation, 2017, 29, 3181-3218. | 1.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Causality detection in cortical seizure dynamics using cross-dynamical delay differential analysis. <i>Chaos</i> , 2019, 29, 101103. | 1.0 | 11 |
| 20 | Delay differential analysis for dynamical sleep spindle detection. <i>Journal of Neuroscience Methods</i> , 2019, 316, 12-21. | 1.3 | 11 |
| 21 | Delay Differential Analysis of Electroencephalographic Data. <i>Neural Computation</i> , 2015, 27, 615-627. | 1.3 | 10 |
| 22 | A General Form for Global Dynamical Data Models for Three-Dimensional Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998, 08, 899-914. | 0.7 | 8 |
| 23 | Assessing observability of chaotic systems using Delay Differential Analysis. <i>Chaos</i> , 2020, 30, 103113. | 1.0 | 7 |
| 24 | Characterizing Brain Connectivity From Human Electroencephalography Recordings With Unobserved Inputs During Epileptic Seizures. <i>Neural Computation</i> , 2019, 31, 1271-1326. | 1.3 | 6 |
| 25 | Characterization of various fluids in cylinders from dolphin sonar data in the interval domain. , 2003, , . | | 5 |
| 26 | Identification of Nonlinear Oscillator Models for Speech Analysis and Synthesis. <i>Lecture Notes in Computer Science</i> , 2005, , 74-113. | 1.0 | 5 |
| 27 | Nonlinear DDE Analysis of Repetitive Hand Movements in Parkinson's Disease. <i>Understanding Complex Systems</i> , 2009, , 421-425. | 0.3 | 5 |
| 28 | Equivariance identification using delay differential equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 265, 264-273. | 0.9 | 4 |
| 29 | Diffeomorphical equivalence vs topological equivalence among Sprott systems. <i>Chaos</i> , 2021, 31, 083126. | 1.0 | 4 |
| 30 | Dynamical ergodicity DDA reveals causal structure in time series. <i>Chaos</i> , 2021, 31, 103108. | 1.0 | 4 |
| 31 | Muscle artifacts in single trial EEG data distinguish patients with Parkinson's disease from healthy individuals. , 2014, 2014, 3292-5. | | 3 |
| 32 | Discovering independent parameters in complex dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2015, 76, 182-189. | 2.5 | 3 |
| 33 | Analytical Derivation of Nonlinear Spectral Effects and 1/f Scaling Artifact in Signal Processing of Real-World Data. <i>Neural Computation</i> , 2017, 29, 2004-2020. | 1.3 | 3 |
| 34 | Multivariate spectral analysis of electroencephalography data. , 2013, , . | | 2 |
| 35 | Delay Differential Equation Models of Normal and Diseased Electrocardiograms. <i>Understanding Complex Systems</i> , 2014, , 67-76. | 0.3 | 1 |