

Fail M Gafarov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

310
citations

840119

11
h-index

839053

18
g-index

24
all docs

24
docs citations

24
times ranked

175
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | To the issue of Analytics in education. , 2020, , . | | 0 |
| 2 | Modeling Psycho-Emotional States via Neurosimulation of Monoamine Neurotransmitters. Springer Series in Cognitive and Neural Systems, 2019, , 127-156. | 0.1 | 2 |
| 3 | Neural electrical activity and neural network growth. Neural Networks, 2018, 101, 15-24. | 3.3 | 16 |
| 4 | Simulation of serotonin mechanisms in NEUCOGAR cognitive architecture. Procedia Computer Science, 2018, 123, 473-478. | 1.2 | 5 |
| 5 | Bio-plausible simulation of three monoamine systems to replicate emotional phenomena in a machine. Biologically Inspired Cognitive Architectures, 2018, 26, 166-173. | 0.9 | 2 |
| 6 | Bio-plausible simulation of three monoamine systems to replicate emotional phenomena in a machine. Procedia Computer Science, 2018, 145, 300-305. | 1.2 | 0 |
| 7 | The Implementation of Growth Guidance Factor Diffusion via Octree Spatial Structures for Neuronal Systems Simulation. Lecture Notes in Computer Science, 2018, , 158-163. | 1.0 | 0 |
| 8 | Emergence of the small-world architecture in neural networks by activity dependent growth. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 409-418. | 1.2 | 8 |
| 9 | Modeling of interstitial branching of axonal networks. Journal of Integrative Neuroscience, 2013, 12, 103-116. | 0.8 | 7 |
| 10 | MORPHOLESS NEURONS COMPROMISE THE DEVELOPMENT OF CORTICAL CONNECTIVITY. Journal of Integrative Neuroscience, 2009, 08, 35-48. | 0.8 | 4 |
| 11 | SELF-WIRING IN NEURAL NETS OF POINT-LIKE CORTICAL NEURONS FAILS TO REPRODUCE CYTOARCHITECTURAL DIFFERENCES. Journal of Integrative Neuroscience, 2006, 05, 159-169. | 0.8 | 5 |
| 12 | How chaosity and randomness control human health. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 404-414. | 1.2 | 15 |
| 13 | Non-Markov stochastic dynamics of real epidemic process of respiratory infections. Physica A: Statistical Mechanics and Its Applications, 2004, 331, 300-318. | 1.2 | 19 |
| 14 | Dynamical Shannon entropy and information Tsallis entropy in complex systems. Physica A: Statistical Mechanics and Its Applications, 2004, 341, 649-676. | 1.2 | 20 |
| 15 | Stratification of the phase clouds and statistical effects of the non-Markovity in chaotic time series of human gait for healthy people and Parkinson patients. Physica A: Statistical Mechanics and Its Applications, 2003, 319, 432-446. | 1.2 | 18 |
| 16 | Stochastic processes of demarkovization and markovization in chaotic signals of human brain electric activity from EEGs during epilepsys. Journal of Experimental and Theoretical Physics, 2003, 96, 572-580. | 0.2 | 2 |
| 17 | Fluctuations and Noise in Stochastic Spread of Respiratory Infection Epidemics in Social Networks. AIP Conference Proceedings, 2003, , . | 0.3 | 2 |
| 18 | Quantification of heart rate variability by discrete nonstationary non-Markov stochastic processes. Physical Review E, 2002, 65, 046107. | 0.8 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Intensity approximation of random fluctuation in complex systems. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 427-438. | 1.2 | 14 |
| 20 | Long-range memory and non-Markov statistical effects in human sensorimotor coordination. Physica A: Statistical Mechanics and Its Applications, 2002, 316, 671-687. | 1.2 | 12 |
| 21 | Possibility between earthquake and explosion seismogram differentiation by discrete stochastic non-Markov processes and local Hurst exponent analysis. Physical Review E, 2001, 64, 066132. | 0.8 | 36 |
| 22 | Stochastic dynamics of time correlation in complex systems with discrete time. Physical Review E, 2000, 62, 6178-6194. | 0.8 | 55 |
| 23 | Dynamics of the information entropy in random processes. Physica A: Statistical Mechanics and Its Applications, 1999, 273, 416-438. | 1.2 | 15 |
| 24 | Markov and non-Markov processes in complex systems by the dynamical information entropy. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 381-384. | 1.2 | 5 |