Fail M Gafarov

List of Publications by Year
in descending order

24 papers	310 citations	840776 11 h-index	839539 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.	5.9	16
4	Simulation of serotonin mechanisms in NEUCOGAR cognitive architecture. Procedia Computer Science, 2018, 123, 473-478.	2.0	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.	2.0	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.	1.3	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.	2.6	8
9	Modeling of interstitial branching of axonal networks. Journal of Integrative Neuroscience, 2013, 12, 103-116.	1.7	7
10	MORPHOLESS NEURONS COMPROMISE THE DEVELOPMENT OF CORTICAL CONNECTIVITY. Journal of Integrative Neuroscience, 2009, 08, 35-48.	1.7	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.	1.7	5
12	How chaosity and randomness control human health. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 404-414.	2.6	15
13	Non-Markov stochastic dynamics of real epidemic process of respiratory infections. Physica A: Statistical Mechanics and Its Applications, 2004, 331, 300-318.	2.6	19
14	Dynamical Shannon entropy and information Tsallis entropy in complex systems. Physica A: Statistical Mechanics and Its Applications, 2004, 341, 649-676.	2.6	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.	2.6	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.	0.9	2
17	Fluctuations and Noise in Stochastic Spread of Respiratory Infection Epidemics in Social Networks. AIP Conference Proceedings, 2003, , .	0.4	2
18	Quantification of heart rate variability by discrete nonstationary non-Markov stochastic processes. Physical Review E, 2002, 65, 046107.	2.1	48

#	Article	IF	Citations
19	Intensity approximation of random fluctuation in complex systems. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 427-438.	2.6	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.	2.6	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.	2.1	36
22	Stochastic dynamics of time correlation in complex systems with discrete time. Physical Review E, 2000, 62, 6178-6194.	2.1	55
23	Dynamics of the information entropy in random processes. Physica A: Statistical Mechanics and Its Applications, 1999, 273, 416-438.	2.6	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.	2.6	5