Andrei Dragomir

List of Publications by Year
in descending order

50 papers	905 citations	566801 15 h-index	476904 29 g-index
54 all docs	54 docs citations	54 times ranked	1302 citing authors

#	Article	IF	Citations
1	Differential Impact of Autonomous Vehicle Malfunctions on Human Trust. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 548-557.	4.7	22
2	A Decision-Tree Approach to Assist in Forecasting the Outcomes of the Neonatal Brain Injury. International Journal of Environmental Research and Public Health, 2021, 18, 4807.	1.2	19
3	Exploring Inflammatory Status in Febrile Seizures Associated with Urinary Tract Infections: A Two-Step Cluster Approach. Brain Sciences, 2021, 11, 1168.	1.1	2
4	Regression-Based Continuous Driving Fatigue Estimation: Toward Practical Implementation. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 323-331.	2.6	23
5	Towards machine to brain interfaces: sensory stimulation enhances sensorimotor dynamic functional connectivity in upper limb amputees. Journal of Neural Engineering, 2020, 17, 035002.	1.8	21
6	Sensory stimulation enhances phantom limb perception and movement decoding. Journal of Neural Engineering, 2020, 17, 056006.	1.8	14
7	A Network-Based Perspective in Alzheimer's Disease: Current State and an Integrative Framework. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 14-25.	3.9	22
8	Comparison between dopaminergic and non-dopaminergic neurons in the VTA following chronic nicotine exposure during pregnancy. Scientific Reports, 2019, 9, 445.	1.6	9
9	K-Nets: Clustering through nearest neighbors networks. Pattern Recognition, 2019, 88, 470-481.	5.1	9
10	A novel real-time driving fatigue detection system based on wireless dry EEG. Cognitive Neurodynamics, 2018, 12, 365-376.	2.3	81
11	Fronto–Parietal Subnetworks Flexibility Compensates For Cognitive Decline Due To Mental Fatigue. Human Brain Mapping, 2018, 39, 3528-3545.	1.9	21
12	Investigating the genetic profile of dopaminergic neurons in the VTA in response to perinatal nicotine exposure using mRNA-miRNA analyses. Scientific Reports, 2018, 8, 13769.	1.6	16
13	Prosthesis with neuromorphic multilayered e-dermis perceives touch and pain. Science Robotics, 2018, 3, .	9.9	280
14	Gene expression profiling of midbrain dopamine neurons upon gestational nicotine exposure. Medical and Biological Engineering and Computing, 2017, 55, 467-482.	1.6	10
15	Identification of Differentially Expressed Pathways and Sub-pathways. SpringerBriefs in Computer Science, 2017, , 69-87.	0.2	1
16	Networks and Pathways in Systems Pharmacology. SpringerBriefs in Computer Science, 2017, , 11-46.	0.2	4
17	Ventral Tegmental Area Dopamine Neurons Firing Model Reveals Prenatal Nicotine Induced Alterations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1387-1396.	2.7	14
18	Investigating the Effect of Perinatal Nicotine Exposure on Dopaminergic Neurons in the VTA Using miRNA Expression Profiles. IEEE Transactions on Nanobioscience, 2017, 16, 843-849.	2.2	15

#	Article	IF	Citations
19	The Age-Related Effect of Nicotine on the Expression of Neuroprotective Genes in Ventral Tegmental Area and Substantia Nigra. IEEE Life Sciences Letters, 2017, 3, 13-16.	1.2	1
20	Acoustic Detection of Coronary Occlusions before and after Stent Placement Using an Electronic Stethoscope. Entropy, 2016, 18, 281.	1.1	9
21	Assessing Antidepressants Using Intelligent Data Monitoring and Mining of Online Fora. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 977-986.	3.9	7
22	The Assessment of Stent Effectiveness Using a Wearable Beamforming MEMS Microphone Array System. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-10.	2.2	4
23	Investigating the Influence of HUVECs in the Formation of Glioblastoma Spheroids in High-Throughput Three-Dimensional Microwells. IEEE Transactions on Nanobioscience, 2015, 14, 790-796.	2.2	28
24	Delta-24-RGD Induces Cytotoxicity of Glioblastoma Spheroids in Three Dimensional PEG Microwells. IEEE Transactions on Nanobioscience, 2015, 14, 946-951.	2.2	9
25	Engineering a High-Throughput 3-D *In Vitro* Glioblastoma Model. IEEE Journal of Translational Engineering in Health and Medicine, 2015, 3, 1-8.	2.2	26
26	A Novel Data-Mining Approach Leveraging Social Media to Monitor Consumer Opinion of Sitagliptin. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 389-396.	3.9	17
27	Network-Based Modeling and Intelligent Data Mining of Social Media for Improving Care. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 210-218.	3.9	55
28	Nicotine exposure increases the complexity of dopamine neurons in the parainterfascicular nucleus (PIF) sub-region of VTA. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 103.	2.4	11
29	A novel data-mining approach leveraging social media to monitor and respond to outcomes of diabetes drugs and treatment. , 2013, , .		2
30	A novel data-mining platform leveraging social media to monitor outcomes of Januvia. , 2013, 2013, 7484-7.		2
31	Multi-scale modeling of gene regulatory networks via integration of temporal and topological biological data. , 2012, 2012, 1242-5.		0
32	The effects of nicotine exposure and PFC transection on the time–frequency distribution of VTA DA neurons' firing activities. Medical and Biological Engineering and Computing, 2011, 49, 605-612.	1.6	6
33	Complexity of VTA DA neural activities in response to PFC transection in nicotine treated rats. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 13.	2.4	10
34	Investigating the influence of PFC transection and nicotine on dynamics of AMPA and NMDA receptors of VTA dopaminergic neurons. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 58.	2.4	10
35	Gene regulatory networks modelling using a dynamic evolutionary hybrid. BMC Bioinformatics, 2010, 11, 140.	1.2	24
36	Modeling carbachol-induced hippocampal network synchronization using hidden Markov models. Journal of Neural Engineering, 2010, 7, 056012.	1.8	3

#	Article	IF	Citations
37	Decoding state transitions in hippocampal oscillatory activity in mice. , 2010, 2010, 2822-4.		0
38	Prefrontal cortex deletion affects the dopaminergic neural firing complexity in nicotine-treated ventral tegmental area. , 2010, 2010, 4526-9.		1
39	Dynamics of hippocampal γ oscillations in rats in response to acute 2-APB exposure. , 2009, , .		1
40	The effects of 2-APB on the time–frequency distributions of γ oscillations in rat hippocampal slices. Journal of Neural Engineering, 2009, 6, 056006.	1.8	3
41	A Data-Mining Approach for Investigating Social and Economic Geographical Dynamics of eta-Thalassemia's Spread. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 774-780.	3.6	3
42	Hippocampal gamma oscillations in rats. IEEE Engineering in Medicine and Biology Magazine, 2009, 28, 92-95.	1.1	4
43	Nonlinear dynamical analysis of carbachol induced hippocampal oscillations in mice. Acta Pharmacologica Sinica, 2009, 30, 859-867.	2.8	12
44	Investigating the complexity of respiratory patterns during the laryngeal chemoreflex. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 17.	2.4	21
45	Complexity measures of the central respiratory networks during wakefulness and sleep. Journal of Neural Engineering, 2008, 5, 254-261.	1.8	13
46	i-THALASSEMIA'S SOCIAL AND ECONOMIC GEOGRAPHY: A POSSIBLE PREVENTION/TREATMENT PROGRAM TO ROUT "LEGACY"GENETIC MUTATIONS. , 2008, , .		0
47	Complexity Measures of the Central Respiratory Networks during Wakefulness and Sleep in Piglets. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5429-30.	0.5	0
48	Gene networks reconstruction and time-series prediction from microarray data using recurrent neural fuzzy networks. IET Systems Biology, 2007, 1, 41-50.	0.8	37
49	Investigating the Complexity of Respiratory Patterns during the Laryngeal Chemoreflex. , 2007, , .		0
50	An Ensemble Approach for Phenotype Classification Based on Fuzzy Partitioning of Gene Expression Data. , 2006, 2006, 5834-7.		3