

Andrei Dragomir

List of Publications by Year in descending order

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Version: 2024-02-01

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	Prosthesis with neuromorphic multilayered e-dermis perceives touch and pain. <i>Science Robotics</i> , 2018, 3, .	9.9	280
2	A novel real-time driving fatigue detection system based on wireless dry EEG. <i>Cognitive Neurodynamics</i> , 2018, 12, 365-376.	2.3	81
3	Network-Based Modeling and Intelligent Data Mining of Social Media for Improving Care. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 210-218.	3.9	55
4	Gene networks reconstruction and time-series prediction from microarray data using recurrent neural fuzzy networks. <i>IET Systems Biology</i> , 2007, 1, 41-50.	0.8	37
5	Investigating the Influence of HUVECs in the Formation of Glioblastoma Spheroids in High-Throughput Three-Dimensional Microwells. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 790-796.	2.2	28
6	Engineering a High-Throughput 3-D <i>In Vitro</i> Glioblastoma Model. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2015, 3, 1-8.	2.2	26
7	Gene regulatory networks modelling using a dynamic evolutionary hybrid. <i>BMC Bioinformatics</i> , 2010, 11, 140.	1.2	24
8	Regression-Based Continuous Driving Fatigue Estimation: Toward Practical Implementation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020, 12, 323-331.	2.6	23
9	A Network-Based Perspective in Alzheimer's Disease: Current State and an Integrative Framework. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 14-25.	3.9	22
10	Differential Impact of Autonomous Vehicle Malfunctions on Human Trust. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 548-557.	4.7	22
11	Investigating the complexity of respiratory patterns during the laryngeal chemoreflex. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2008, 5, 17.	2.4	21
12	Fronto-Parietal Subnetworks Flexibility Compensates For Cognitive Decline Due To Mental Fatigue. <i>Human Brain Mapping</i> , 2018, 39, 3528-3545.	1.9	21
13	Towards machine to brain interfaces: sensory stimulation enhances sensorimotor dynamic functional connectivity in upper limb amputees. <i>Journal of Neural Engineering</i> , 2020, 17, 035002.	1.8	21
14	A Decision-Tree Approach to Assist in Forecasting the Outcomes of the Neonatal Brain Injury. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4807.	1.2	19
15	A Novel Data-Mining Approach Leveraging Social Media to Monitor Consumer Opinion of Sitagliptin. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 389-396.	3.9	17
16	Investigating the genetic profile of dopaminergic neurons in the VTA in response to perinatal nicotine exposure using mRNA-miRNA analyses. <i>Scientific Reports</i> , 2018, 8, 13769.	1.6	16
17	Investigating the Effect of Perinatal Nicotine Exposure on Dopaminergic Neurons in the VTA Using miRNA Expression Profiles. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 843-849.	2.2	15
18	Ventral Tegmental Area Dopamine Neurons Firing Model Reveals Prenatal Nicotine Induced Alterations. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1387-1396.	2.7	14

#	ARTICLE	IF	CITATIONS
19	Sensory stimulation enhances phantom limb perception and movement decoding. <i>Journal of Neural Engineering</i> , 2020, 17, 056006.	1.8	14
20	Complexity measures of the central respiratory networks during wakefulness and sleep. <i>Journal of Neural Engineering</i> , 2008, 5, 254-261.	1.8	13
21	Nonlinear dynamical analysis of carbachol induced hippocampal oscillations in mice. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 859-867.	2.8	12
22	Nicotine exposure increases the complexity of dopamine neurons in the parainterfascicular nucleus (PIF) sub-region of VTA. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 103.	2.4	11
23	Complexity of VTA DA neural activities in response to PFC transection in nicotine treated rats. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 13.	2.4	10
24	Investigating the influence of PFC transection and nicotine on dynamics of AMPA and NMDA receptors of VTA dopaminergic neurons. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 58.	2.4	10
25	Gene expression profiling of midbrain dopamine neurons upon gestational nicotine exposure. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 467-482.	1.6	10
26	Delta-24-RGD Induces Cytotoxicity of Glioblastoma Spheroids in Three Dimensional PEG Microwells. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 946-951.	2.2	9
27	Acoustic Detection of Coronary Occlusions before and after Stent Placement Using an Electronic Stethoscope. <i>Entropy</i> , 2016, 18, 281.	1.1	9
28	Comparison between dopaminergic and non-dopaminergic neurons in the VTA following chronic nicotine exposure during pregnancy. <i>Scientific Reports</i> , 2019, 9, 445.	1.6	9
29	K-Nets: Clustering through nearest neighbors networks. <i>Pattern Recognition</i> , 2019, 88, 470-481.	5.1	9
30	Assessing Antidepressants Using Intelligent Data Monitoring and Mining of Online Fora. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 977-986.	3.9	7
31	The effects of nicotine exposure and PFC transection on the time-frequency distribution of VTA DA neurons' firing activities. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 605-612.	1.6	6
32	Hippocampal gamma oscillations in rats. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2009, 28, 92-95.	1.1	4
33	The Assessment of Stent Effectiveness Using a Wearable Beamforming MEMS Microphone Array System. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2016, 4, 1-10.	2.2	4
34	Networks and Pathways in Systems Pharmacology. <i>SpringerBriefs in Computer Science</i> , 2017, , 11-46.	0.2	4
35	An Ensemble Approach for Phenotype Classification Based on Fuzzy Partitioning of Gene Expression Data. , 2006, 2006, 5834-7.		3
36	The effects of 2-APB on the time-frequency distributions of β^3 oscillations in rat hippocampal slices. <i>Journal of Neural Engineering</i> , 2009, 6, 056006.	1.8	3

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37	A Data-Mining Approach for Investigating Social and Economic Geographical Dynamics of β -Thalassemia's Spread. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 774-780.	3.6	3
38	Modeling carbachol-induced hippocampal network synchronization using hidden Markov models. Journal of Neural Engineering, 2010, 7, 056012.	1.8	3
39	A novel data-mining approach leveraging social media to monitor and respond to outcomes of diabetes drugs and treatment. , 2013, , .		2
40	A novel data-mining platform leveraging social media to monitor outcomes of Januvia. , 2013, 2013, 7484-7.		2
41	Exploring Inflammatory Status in Febrile Seizures Associated with Urinary Tract Infections: A Two-Step Cluster Approach. Brain Sciences, 2021, 11, 1168.	1.1	2
42	Dynamics of hippocampal θ oscillations in rats in response to acute 2-APB exposure. , 2009, , .		1
43	Prefrontal cortex deletion affects the dopaminergic neural firing complexity in nicotine-treated ventral tegmental area. , 2010, 2010, 4526-9.		1
44	Identification of Differentially Expressed Pathways and Sub-pathways. SpringerBriefs in Computer Science, 2017, , 69-87.	0.2	1
45	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
46	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
47	Investigating the Complexity of Respiratory Patterns during the Laryngeal Chemoreflex. , 2007, , .		0
48	Decoding state transitions in hippocampal oscillatory activity in mice. , 2010, 2010, 2822-4.		0
49	Multi-scale modeling of gene regulatory networks via integration of temporal and topological biological data. , 2012, 2012, 1242-5.		0
50	β -THALASSEMIA'S SOCIAL AND ECONOMIC GEOGRAPHY: A POSSIBLE PREVENTION/TREATMENT PROGRAM TO ROUTE β -GENETIC MUTATIONS. , 2008, , .		0