Cuneyt Guzelis

List of Publications by Year
in descending order

45 papers	809 citations	687363 13 h-index	526287 27 g-index
45 all docs	45 docs citations	45 times ranked	820 citing authors

#	Article	IF	Citations
1	Object recognition and detection with deep learning for autonomous driving applications. Simulation, 2017, 93, 759-769.	1.8	102
2	A new facial expression recognition based on curvelet transform and online sequential extreme learning machine initialized with spherical clustering. Neural Computing and Applications, 2016, 27, 131-142.	5.6	98
3	Automatic spike detection in EEG by a two-stage procedure based on support vector machines. Computers in Biology and Medicine, 2004, 34, 561-575.	7.0	75
4	Stability analysis of generalized cellular neural networks. International Journal of Circuit Theory and Applications, 1993, 21, 1-33.	2.0	71
5	Patient oriented and robust automatic liver segmentation for pre-evaluation of liver transplantation. Computers in Biology and Medicine, 2008, 38, 765-784.	7.0	55
6	Automatic recognition of sleep spindles in EEG by using artificial neural networks. Expert Systems With Applications, 2004, 27, 451-458.	7.6	54
7	Automatic classification of auditory brainstem responses using SVM-based feature selection algorithm for threshold detection. Engineering Applications of Artificial Intelligence, 2006, 19, 209-218.	8.1	53
8	Semiautomatic Transfer Function Initialization for Abdominal Visualization Using Self-Generating Hierarchical Radial Basis Function Networks. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 395-409.	4.4	40
9	â€œChaotificationâ€•of Real Systems by Dynamic State Feedback. IEEE Antennas and Propagation Magazine, 2010, 52, 222-233.	1.4	23
10	A Multiscale Algorithm for Joint Forecastingâ€“Scheduling to Solve the Massive Access Problem of IoT. IEEE Internet of Things Journal, 2020, 7, 8572-8589.	8.7	20
11	Automatic recognition of sleep spindles in EEG via radial basis support vector machine based on a modified feature selection algorithm. Neural Computing and Applications, 2005, 14, 56-65.	5.6	18
12	An Energy Function-Based Design Method for Discrete Hopfield Associative Memory With Attractive Fixed Points. IEEE Transactions on Neural Networks, 2005, 16, 370-378.	4.2	18
13	Comparative Study of Forecasting Schemes for IoT Device Traffic in Machine-to-Machine Communication. , 2019, , .		16
14	A Boolean Hebb Rule for Binary Associative Memory Design. IEEE Transactions on Neural Networks, 2004, 15, 195-202.	4.2	14
15	A DYNAMICAL STATE FEEDBACK CHAOTIFICATION METHOD WITH APPLICATION ON LIQUID MIXING. Journal of Circuits, Systems and Computers, 2013, 22, 1350059.	1.5	13
16	Integrating Segmentation Methods From Different Tools Into a Visualization Program Using an Object-Based Plug-In Interface. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 923-934.	3.2	12
17	Recurrent Trend Predictive Neural Network for Multi-Sensor Fire Detection. IEEE Access, 2021, 9, 84204-84216.	4.2	12
18	Joint Forecasting-Scheduling for the Internet of Things. , 2019, , .		11

#	Article	IF	Citations
19	Spatiotemporal chaotification of delta robot mixer for homogeneous graphene nanocomposite dispersing. Robotics and Autonomous Systems, 2020, 134, 103633.	5.1	10
20	An Implementation of Vision Based Deep Reinforcement Learning for Humanoid Robot Locomotion. , 2019, , .		8
21	Fast Object Recognition for Humanoid Robots by Using Deep Learning Models with Small Structure. , 2020, , .		8
22	An End-to-End Trainable Feature Selection-Forecasting Architecture Targeted at the Internet of Things. IEEE Access, 2021, 9, 104011-104028.	4.2	8
23	Design of microcontroller-based decentralized controller board to drive chiller systems using PID and fuzzy logic algorithms. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 98-107.	2.5	7
24	Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. IEEE Transactions on Vehicular Technology, 2020, , 1-1.	6.3	7
25	Twoâ€dimensional polynomial type canonical relaxation oscillator model for p53 dynamics. IET Systems Biology, 2018, 12, 138-147.	1.5	6
26	Exploiting Chaos in Learning System Identification for Nonlinear State Space Models. Neural Processing Letters, 2015, 41, 29-41.	3.2	5
27	Discriminant-based bistability analysis of a TMG-induced lac operon model supported with boundedness and local stability results. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 719-732.	1.4	5
28	Revealing determinants of twoâ€phase dynamics of P53Ânetwork under gamma irradiation based on a reduced 2D relaxation oscillator model. IET Systems Biology, 2018, 12, 26-38.	1.5	5
29	Learning Stable Robust Adaptive NARMA Controller for UAV and Its Application to Twin Rotor MIMO Systems. Neural Processing Letters, 2020, 52, 353-383.	3.2	5
30	New CNN and hybrid CNN-LSTM models for learning object manipulation of humanoid robots from demonstration. Cluster Computing, 2022, 25, 1575-1590.	5.0	5
31	Bifurcation analysis of bistable and oscillatory dynamics in biological networks using the rootâ€locus method. IET Systems Biology, 2019, 13, 333-345.	1.5	4
32	Dynamic Automatic Forecaster Selection via Artificial Neural Network Based Emulation to Enable Massive Access for the Internet of Things. Journal of Network and Computer Applications, 2022, 201, 103360.	9.1	4
33	Multi Channel EEG Based Biometric System with a Custom Designed Convolutional Neural Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 124-134.	0.3	4
34	End-To-End Learning from Demonstation for Object Manipulation of Robotis-Op3 Humanoid Robot. , 2020, , .		3
35	Subspace-Based Emulation of the Relationship Between Forecasting Error and Network Performance in Joint Forecasting-Scheduling for the Internet of Things. , 2021, , .		3
36	Model-based robust chaotification using sliding mode control. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 940-956.	1.4	2

#	Article	IF	Citations
37	New convolutional neural network models for efficient object recognition with humanoid robots. Journal of Information and Telecommunication, 2022, 6, 63-82.	2.8	2
38	Predictability of Internet of Things Traffic at the Medium Access Control Layer Against Information-Theoretic Bounds. IEEE Access, 2022, 10, 55602-55615.	4.2	2
39	Coupling of cell fate selection model enhances DNA damage response and may underlie BE phenomenon. IET Systems Biology, 2020, 14, 96-106.	1.5	1
40	A convergent algorithm for a cascade network of multiplexed dual outputdiscrete perceptrons for linearly nonseparable classification. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 380-399.	1.4	0
41	Searching Optimal Values of Identification and Controller Design Horizon Lengths, and Regularization Parameters in NARMA Based Online Learning Controller Design. , 2019, , .		0
42	Investigation of Chaotic Mixing Performance on Characteristic Properties of Cake Batter. , 2019, , .		0
43	Learning Feedback Linearization Based Stable Robust Adaptive NARMA Controller Design for Rotary Inverted Pendulum. , 2019, , .		0
44	Beef Quality Assesment with Electronic Nose Based on an Application Specific Convolution Neural Network. , 2021, , .		0
45	Development of a deep wavelet pyramid scene parsing semantic segmentation network for scene perception in indoor environments. Journal of Ambient Intelligence and Humanized Computing, 0, , .	4.9	0