

# Cuneyt Guzelis

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	New convolutional neural network models for efficient object recognition with humanoid robots. Journal of Information and Telecommunication, 2022, 6, 63-82.	2.8	2
3	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
4	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
5	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
6	An End-to-End Trainable Feature Selection-Forecasting Architecture Targeted at the Internet of Things. IEEE Access, 2021, 9, 104011-104028.	4.2	8
7	Recurrent Trend Predictive Neural Network for Multi-Sensor Fire Detection. IEEE Access, 2021, 9, 84204-84216.	4.2	12
8	Beef Quality Assesment with Electronic Nose Based on an Application Specific Convolution Neural Network. , 2021, , .		0
9	Subspace-Based Emulation of the Relationship Between Forecasting Error and Network Performance in Joint Forecasting-Scheduling for the Internet of Things. , 2021, , .		3
10	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
11	Fast Object Recognition for Humanoid Robots by Using Deep Learning Models with Small Structure. , 2020, , .		8
12	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
13	Spatiotemporal chaotification of delta robot mixer for homogeneous graphene nanocomposite dispersing. Robotics and Autonomous Systems, 2020, 134, 103633.	5.1	10
14	End-To-End Learning from Demonstation for Object Manipulation of Robotis-Op3 Humanoid Robot. , 2020, , .		3
15	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
16	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
17	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
18	An Implementation of Vision Based Deep Reinforcement Learning for Humanoid Robot Locomotion. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	Searching Optimal Values of Identification and Controller Design Horizon Lengths, and Regularization Parameters in NARMA Based Online Learning Controller Design. , 2019, , .		0
20	Joint Forecasting-Scheduling for the Internet of Things. , 2019, , .		11
21	Investigation of Chaotic Mixing Performance on Characteristic Properties of Cake Batter. , 2019, , .		0
22	Comparative Study of Forecasting Schemes for IoT Device Traffic in Machine-to-Machine Communication. , 2019, , .		16
23	Bifurcation analysis of bistable and oscillatory dynamics in biological networks using the rootâ€œfocus method. IET Systems Biology, 2019, 13, 333-345.	1.5	4
24	Learning Feedback Linearization Based Stable Robust Adaptive NARMA Controller Design for Rotary Inverted Pendulum. , 2019, , .		0
25	Twoâ€œdimensional polynomial type canonical relaxation oscillator model for p53 dynamics. IET Systems Biology, 2018, 12, 138-147.	1.5	6
26	Revealing determinants of twoâ€œphase dynamics of P53 network under gamma irradiation based on a reduced 2D relaxation oscillator model. IET Systems Biology, 2018, 12, 26-38.	1.5	5
27	Object recognition and detection with deep learning for autonomous driving applications. Simulation, 2017, 93, 759-769.	1.8	102
28	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
29	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
30	Exploiting Chaos in Learning System Identification for Nonlinear State Space Models. Neural Processing Letters, 2015, 41, 29-41.	3.2	5
31	A convergent algorithm for a cascade network of multiplexed dual output discrete perceptrons for linearly nonseparable classification. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 380-399.	1.4	0
32	Model-based robust chaotification using sliding mode control. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 940-956.	1.4	2
33	A DYNAMICAL STATE FEEDBACK CHAOTIFICATION METHOD WITH APPLICATION ON LIQUID MIXING. Journal of Circuits, Systems and Computers, 2013, 22, 1350059.	1.5	13
34	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
35	â€œChaotificationâ€œ of Real Systems by Dynamic State Feedback. IEEE Antennas and Propagation Magazine, 2010, 52, 222-233.	1.4	23
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	Automatic recognition of sleep spindles in EEG by using artificial neural networks. Expert Systems With Applications, 2004, 27, 451-458.	7.6	54
42	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
43	A Boolean Hebb Rule for Binary Associative Memory Design. IEEE Transactions on Neural Networks, 2004, 15, 195-202.	4.2	14
44	Stability analysis of generalized cellular neural networks. International Journal of Circuit Theory and Applications, 1993, 21, 1-33.	2.0	71
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