Utku KÃ–se

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7014296/publications.pdf

Version: 2024-02-01

116	1,282	394286	434063
papers	citations	19	31
		h-index	g-index

126	126	126	1017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An enhanced diabetic retinopathy detection and classification approach using deep convolutional neural network. Neural Computing and Applications, 2020, 32, 707-721.	3.2	181
2	What is search engine optimization: SEO?. Procedia, Social and Behavioral Sciences, 2010, 9, 487-493.	0.5	72
3	A blended learning model supported with Web 2.0 technologies. Procedia, Social and Behavioral Sciences, 2010, 2, 2794-2802.	0.5	67
4	Recent advancement in cancer diagnosis using machine learning and deep learning techniques: A comprehensive review. Computers in Biology and Medicine, 2022, 146, 105580.	3.9	53
5	Diagnosis of heart diseases by a secure Internet of Health Things system based on Autoencoder Deep Neural Network. Computer Communications, 2020, 162, 31-50.	3.1	46
6	An efficient malware detection approach with feature weighting based on Harris Hawks optimization. Cluster Computing, 2022, 25, 2369-2387.	3.5	45
7	The effectiveness and experiences of blended learning approaches to computer programming education. Computer Applications in Engineering Education, 2013, 21, 328-342.	2.2	44
8	An Augmented Reality based Mobile Software to Support Learning Experiences in Computer Science Courses. Procedia Computer Science, 2013, 25, 370-374.	1.2	44
9	An Ant-Lion Optimizer-Trained Artificial Neural Network System for Chaotic Electroencephalogram (EEG) Prediction. Applied Sciences (Switzerland), 2018, 8, 1613.	1.3	43
10	Cooling analysis of welded materials for crack detection using infrared thermography. Infrared Physics and Technology, 2014, 67, 547-554.	1.3	36
11	Metaheuristic Techniques in Enhancing the Efficiency and Performance of Thermo-Electric Cooling Devices. Energies, 2017, 10, 1703.	1.6	35
12	An educational tool for artificial neural networks. Computers and Electrical Engineering, 2011, 37, 392-402.	3.0	33
13	Optimization of selfâ€learning in Computer Engineering courses: An intelligent software system supported by Artificial Neural Network and Vortex Optimization Algorithm. Computer Applications in Engineering Education, 2017, 25, 142-156.	2.2	32
14	A new algorithm for optimization of quality of service in peer to peer wireless mesh networks. Wireless Networks, 2020, 26, 4965-4973.	2.0	30
15	Explainable framework for Glaucoma diagnosis by image processing and convolutional neural network synergy: Analysis with doctor evaluation. Future Generation Computer Systems, 2022, 129, 152-169.	4.9	26
16	An augmented reality-supported mobile application for diagnosis of heart diseases. Journal of Supercomputing, 2020, 76, 1242-1267.	2.4	24
17	A web based system for project-based learning activities in â€œweb design and programmingâ€•course. Procedia, Social and Behavioral Sciences, 2010, 2, 1174-1184.	0.5	23
18	Educational material development model for teaching computer network and system management. Computer Applications in Engineering Education, 2015, 23, 621-629.	2.2	22

#	Article	IF	Citations
19	4x-expert systems for early prediction of osteoporosis using multi-model algorithms. Measurement: Journal of the International Measurement Confederation, 2021, 180, 109543.	2.5	22
20	Application of machine learning for the diagnosis of COVID-19. , 2021, , 175-194.		21
21	Reliable and secure data transfer in IoT networks. Wireless Networks, 2020, 26, 5689-5702.	2.0	19
22	Efficiency analysis for stochastic dynamic facility layout problem using metaâ€heuristic, data envelopment analysis and machine learning. Computational Intelligence, 2020, 36, 172-202.	2.1	19
23	Special Issue for COMPSE 2016 â€“ Current Trends in Optimization Technology. Intelligent Decision Technologies, 2018, 12, 1-2.	0.6	17
24	Prediction of Electroencephalogram Time Series With Electro-Search Optimization Algorithm Trained Adaptive Neuro-Fuzzy Inference System. IEEE Access, 2019, 7, 15832-15844.	2.6	17
25	YOLO Object Recognition Algorithm and â€œBuy-Sell Decisionâ€•Model Over 2D Candlestick Charts. IEEE Access, 2020, 8, 91894-91915.	2.6	16
26	Underwater image enhancement based on contrast adjustment via differential evolution algorithm. , 2016, , .		15
27	Forecasting Chaotic Time Series Via Anfis Supported by Vortex Optimization Algorithm: Applications on Electroencephalogram Time Series. Arabian Journal for Science and Engineering, 2017, 42, 3103-3114.	1.7	15
28	Online learning in COVID-19 pandemic: an empirical study of Indian and Turkish higher education institutions. World Journal of Engineering, 2022, 19, 58-71.	1.0	14
29	Present State of Swarm Intelligence and Future Directions. , 2015, , 239-252.		14
30	Intelligent Learning Environments wthin Blended Learning for Ensuring Effective C Programming Course. International Journal of Artificial Intelligence & Applications, 2012, 3, 105-124.	0.3	13
31	Deep Learning for Medical Decision Support Systems. Studies in Computational Intelligence, 2021, , .	0.7	13
32	Diagnosis of Diabetic Retinopathy by Using Image Processing and Convolutional Neural Network. , 2018, , .		12
33	Development of an internet-based exam system for mobile environments and evaluation of its usability. Mevlana International Journal of Education, 2013, 3, 57-74.	0.3	11
34	Diabetes determination via vortex optimization algorithm based support vector machines. , 2015, , .		10
35	Better campus life for visually impaired University students: intelligent social walking system with beacon and assistive technologies. Wireless Networks, 2020, 26, 4789-4803.	2.0	10
36	Fuzzy genetic based dynamic spectrum allocation approach for cognitive radio sensor networks. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 2416-2432.	0.9	10

#	Article	IF	Citations
37	Use of social networking in the Middle East: student perspectives in higher education. Heliyon, 2021, 7, e06676.	1.4	9
38	SCLAVOEM: hyper parameter optimization approach to predictive modelling of COVID-19 infodemic tweets using smote and classifier vote ensemble. Soft Computing, 2023, 27, 3531-3550.	2.1	8
39	A Novel Underwater Image Enhancement Approach with Wavelet Transform Supported by Differential Evolution Algorithm. Intelligent Systems Reference Library, 2019, , 255-278.	1.0	7
40	Estimation of burned areas in forest fires using artificial neural networks. IngenierÃa Solidaria, 2020, 16, 1-22.	0.1	7
41	Diagnosing Parkinson by Using Deep Autoencoder Neural Network. Studies in Computational Intelligence, 2021, , 73-93.	0.7	6
42	On the Intersection of Artificial Intelligence and Distance Education. Advances in Mobile and Distance Learning Book Series, 2015, , 1-11.	0.4	5
43	Doctor's Dilemma: Evaluating an Explainable Subtractive Spatial Lightweight Convolutional Neural Network for Brain Tumor Diagnosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-26.	3.0	5
44	Zeki Optimizasyon TabanlÄ± Destek VektÃ¶r Makineleri ile Diyabet TeÅŸhisi. Journal of Polytechnic, 0, , .	0.4	5
45	An Artificial Neural Networks Based Software System for Improved Learning Experience. , 2013, , .		4
46	Practical Method for the Underwater Image Enhancement with Adjusted CLAHE. , 2018, , .		4
47	Diagnogsis of Diabetic Retinopathy Using Image Processing and Convolutional Neural Network. , 2018, , .		4
48	Chaotic Systems and Their Recent Implementations on Improving Intelligent Systems. Advances in Computational Intelligence and Robotics Book Series, 2014, , 69-101.	0.4	4
49	Usage of an Ä±ntelligent software system in teaching algorithm and flowchart concepts. Pegem Egitim Ve Ogretim Dergisi, 2015, 5, 569-586.	0.6	4
50	IoHT-based deep learning controlled robot vehicle for paralyzed patients of smart cities. Journal of Supercomputing, 2022, 78, 11373-11408.	2.4	4
51	Hybrid Convolutional Neural Network-Based Diagnosis System for Intracranial Hemorrhage. Brain: Broad Research in Artificial Intelligence and Neuroscience, 2021, 12, 01-27.	0.2	4
52	A novel image Denoising approach using super resolution densely connected convolutional networks. Multimedia Tools and Applications, 2022, 81, 33291-33309.	2.6	4
53	On the State of Free and Open Source E-Learning 2.0 Software. International Journal of Open Source Software and Processes, 2014, 5, 55-75.	0.5	3
54	Fading intelligence theory: A theory on keeping artificial intelligence safety for the future. , 2017, , .		3

#	Article	IF	Citations
55	Diagnogsis of Diabete mellitus Using Deep Neural Network. , 2018, , .		3
56	AÃ§Ä±klanabilir EvriÅŸimsel Sinir AÄŸlarÄ± ile Beyin TÃ¼mÃ¶rÃ¼ Tespiti. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	3
57	An Example Application of an Artificial Intelligence-Supported Blended Learning Education Program in Computer Engineering. Advances in Mobile and Distance Learning Book Series, 2015, , 192-210.	0.4	3
58	For an Intelligent E-Learning. Advances in Mobile and Distance Learning Book Series, 2015, , 149-160.	0.4	3
59	UyarlamalÄ± AÄŸ TabanlÄ± BulanÄ±k MantÄ±k Ã‡Ä±karÄ±m Sistemi ve Yapay Sinir AÄŸlarÄ± ile TÃ¼rkiyeâ€™deki COVID-19 Vefat SayÄ±sÄ±nÄ±n Tahmin Edilmesi. BiliÅŸim Teknolojileri Dergisi, 2022, 15, 97-105.	0.2	3
60	A Model of Swarm Intelligence Based Optimization Framework Adjustable According to Problems. Studies in Computational Intelligence, 2018, , 21-38.	0.7	2
61	Diagnosis of Diabetes by Using Deep Neural Network. , 2018, , .		2
62	Ultrasonic-Assisted Extraction and Swarm Intelligence for Calculating Optimum Values of Obtaining Boric Acid from Tincal Mineral. Processes, 2019, 7, 30.	1.3	2
63	Future of Medical Decision Support Systems. Studies in Computational Intelligence, 2021, , 157-171.	0.7	2
64	Artificial Intelligence for Data-Driven Medical Diagnosis. , 2021, , .		2
65	Diagnosing Diabetic Retinopathy by Using a Blood Vessel Extraction Technique and a Convolutional Neural Network. Studies in Computational Intelligence, 2021, , 53-72.	0.7	2
66	TIME SERIES PREDICTION WITH A HYBRID SYSTEM FORMED BY ARTIFICIAL NEURAL NETWORK AND COGNITIVE DEVELOPMENT OPTIMIZATION ALGORITHM. Scientia Iranica, 2018, .	0.3	2
67	Novel Optimization Based Hybrid Self-Organizing Map Classifiers for Iris Image Recognition. International Journal of Computational Intelligence Systems, 2020, 13, 1048.	1.6	2
68	An Augmented-Reality-Based Intelligent Mobile Application for Open Computer Education. Advances in Educational Technologies and Instructional Design Book Series, 2017, , 154-174.	0.2	2
69	An Adaptive Neuro-Fuzzy Inference System-Based Approach to Forecast Time Series of Chaotic Systems. Springer Proceedings in Complexity, 2014, , 17-22.	0.2	2
70	Augmented Reality Based E-Learning Applications. , 2015, , 7507-7518.		2
71	YAPAY ZEKA ETÄ°ÄžÄ° Ã‡ERÃ‡EVESÄ°NDE GELECEÄžÄ°N Ä°ÅžLETMELERÄ°: DÃ–NÃœÅžÃœM VE PARADÄ°GMA DEÄžÄ°Ä°ÅžÄ°KLÄ°KLERÄ° Bilimleri Ve TasarÄ±m Dergisi, 2020, 8, 290-305.	0.1	2
72	An Augmented-Reality-Based Intelligent Mobile Application for Open Computer Education. , 0, , 324-344.		2

#	Article	IF	Citations
73	Optimization of real-time wireless sensor based big data with deep autoencodernetwork: a tourism sector application with distributed computing. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, .	0.9	2
74	A sociologic evaluation: effects of social networking caused e-learning on university students. International Journal of Web Based Communities, 2013, 9, 274.	0.2	1
75	Diabetes Determination Using Retraining Neural Network. , 2018, , .		1
76	Electro-Search Algorithm and Autoencoder Based Recurrent Neural Network for Practical Medical Diagnosis. , 2019, , .		1
77	A Hybrid SVM-WOA Approach for Intelligent Fault Diagnosis Applications. , 2019, , .		1
78	Determining optimum carob powder adsorbtion for cleaning wastewater: intelligent optimization with electro-search algorithm. Wireless Networks, 2020, 26, 5665-5679.	2.0	1
79	EKG Sinyallerini kullanarak Kalp Ritimlerinin Yapay ZekÃ¢ ile SÄ±nÄ±flandÄ±rÄ±lmasÄ±. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 0, , 7-15.	0.2	1
80	Epilepsi EEG Verilerinin Makine Ã–ÄŸrenmesi Teknikleriyle SÄ±nÄ±flandÄ±rÄ±lmasÄ±. European Journal of Science and Technology, 0, , .	0.5	1
81	Intelligent Optimization for Logistics. , 2016, , .		1
82	Design Principles for an Intelligent-Augmented-Reality-Based M-Learning Application to Improve Engineering Students' English Language Skills. Advances in Educational Technologies and Instructional Design Book Series, 2017, , 215-232.	0.2	1
83	Web 2.0 Technologies in E-Learning. , 2011, , 1-23.		1
84	Diagnosing of Diabetic Retinopathy with Image Dehazing and Capsule Network. Studies in Computational Intelligence, 2021, , 145-155.	0.7	1
85	A Hybrid Medical Diagnosis Approach with Swarm Intelligence Supported Autoencoder Based Recurrent Neural Network System. Studies in Computational Intelligence, 2021, , 107-127.	0.7	1
86	A Brief View on Medical Diagnosis Applications with Deep Learning. Studies in Computational Intelligence, 2021, , 29-52.	0.7	1
87	Forecasting Housing Prices by Using Artificial Neural Networks. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 621-632.	0.5	1
88	An arduino based system for calculating the average life time of a person via indoor oxygen content. , 2018, , .		0
89	Chapter 2 Using Artificial Intelligence Techniques for Economic Time Series Prediction. Contemporary Studies in Economic and Financial Analysis, 2019, , 13-28.	0.4	0
90	Special issue on deep network based industrial Internet of Things applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4278.	2.6	0

#	ARTICLE	IF	CITATIONS
91	Optimization Scenarios for Open Source Software Used in E-Learning Activities. , 2021, , 307-328.		0
92	Design and Development of an E-Learning Environment for the Course of Electrical Circuit Analysis. Interdisciplinary Journal of E-Skills and Lifelong Learning, 0, 8, 051-063.	0.0	0
93	Newly Developed Nature-Inspired Algorithms and their Applications to Recommendation Systems. , 2013, , 214-229.		0
94	A Web-Based Intelligent Educational Laboratory System for Forecasting Chaotic Time Series. Advances in Mobile and Distance Learning Book Series, 2015, , 110-135.	0.4	0
95	Ideas on the Future of Intelligent Web-Based E-Learning. Advances in Mobile and Distance Learning Book Series, 2015, , 285-297.	0.4	0
96	Ideas on the Future of Intelligent Web-Based E-Learning. , 2016, , 2241-2253.		0
97	Teach â€“ MS: Developing a management system for m â€“ learning. , 2016, 5, .	0.0	0
98	Human Performance Technology and the Effects on Web-Based Instruction Performance Efficiency. Advances in Educational Technologies and Instructional Design Book Series, 2017, , 89-103.	0.2	0
99	Optimization Scenarios for Open Source Software Used in E-Learning Activities. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 102-123.	0.5	0
100	For an Intelligent E-Learning. , 2018, , 297-309.		0
101	Towards an Intelligent Biomedical Engineering With Nature-Inspired Artificial Intelligence Techniques. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 1-26.	0.2	0
102	Ideas on the Future of Intelligent Web-Based E-Learning. , 2018, , 2274-2287.		0
103	Design Principles for an Intelligent-Augmented-Reality-Based M-Learning Application to Improve Engineering Students' English Language Skills. , 2018, , 881-899.		0
104	On the Intersection of Artificial Intelligence and Distance Education. , 2018, , 1348-1360.		0
105	An Example Application of an Artificial Intelligence-Supported Blended Learning Education Program in Computer Engineering. , 2018, , 1304-1323.		0
106	Towards an Intelligent Biomedical Engineering With Nature-Inspired Artificial Intelligence Techniques. , 2019, , 1733-1758.		0
107	Human Performance Technology and the Effects on Web-Based Instruction Performance Efficiency. , 2019, , 106-120.		0
108	An Augmented Reality Based Intelligent Diagnosis Platform for Medical Training. , 2019, , 217-235.		0

#	Article	IF	Citations
109	Artificial Intelligence and Decision Support Systems. Studies in Computational Intelligence, 2021, , 1-14.	0.7	0
110	A Practical Method for Early Diagnosis of Heart Diseases via Deep Neural Network. Studies in Computational Intelligence, 2021, , 95-106.	0.7	0
111	Skolyoz iÃ§in KapsÃ¼l AÄŸlarÄ± TabanlÄ± Otomatik Ã–lÃ§Ã¼m Sistemi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 0, , 2087-2101.	0.2	0
112	An Example Application of an Artificial Intelligence-Supported Blended Learning Education Program in Computer Engineering. , 0, , 280-298.		0
113	Chaotic Systems and Their Recent Implementations on Improving Intelligent Systems. , 0, , 1167-1200.		0
114	Ideas on the Future of Intelligent Web-Based E-Learning. , 0, , 2196-2208.		0
115	Design Principles for an Intelligent-Augmented-Reality-Based M-Learning Application to Improve Engineering Students' English Language Skills. , 0, , 378-395.		0
116	Deep Learning Based Malware Detection Tool Development for Android Operating System. Brain: Broad Research in Artificial Intelligence and Neuroscience, 2021, 12, 28-56.	0.2	0