

# Kaushik Roy

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

964  
citations

623734

14  
h-index

580821

25  
g-index

66  
all docs

66  
docs citations

66  
times ranked

713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Features Subset Selection and Classification for Iris Recognition. <i>Eurasip Journal on Image and Video Processing</i> , 2008, 2008, 1-20.	2.6	90
2	LSTM for Anomaly-Based Network Intrusion Detection. , 2018, , .		81
3	Towards nonideal iris recognition based on level set method, genetic algorithms and adaptive asymmetrical SVMs. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 458-475.	8.1	57
4	Using a Long Short-Term Memory Recurrent Neural Network (LSTM-RNN) to Classify Network Attacks. <i>Information (Switzerland)</i> , 2020, 11, 243.	2.9	53
5	Comparison of Machine Learning and Deep Learning Models for Network Intrusion Detection Systems. <i>Future Internet</i> , 2020, 12, 167.	3.8	47
6	Iris segmentation using variational level set method. <i>Optics and Lasers in Engineering</i> , 2011, 49, 578-588.	3.8	45
7	DeepSuccinylSite: a deep learning based approach for protein succinylation site prediction. <i>BMC Bioinformatics</i> , 2020, 21, 63.	2.6	45
8	Iris recognition using shape-guided approach and game theory. <i>Pattern Analysis and Applications</i> , 2011, 14, 329-348.	4.6	25
9	Touch-Based Active Cloud Authentication Using Traditional Machine Learning and LSTM on a Distributed Tensorflow Framework. <i>International Journal of Computational Intelligence and Applications</i> , 2019, 18, .	0.8	25
10	Iris Recognition with Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2005, , 486-492.	1.3	24
11	Using Embedded Feature Selection and CNN for Classification on CCD-INID-V1â€™A New IoT Dataset. <i>Sensors</i> , 2021, 21, 4834.	3.8	23
12	Segmentation of Unideal Iris Images Using Game Theory. , 2010, , .		21
13	Comparison of Pre-Trained Word Vectors for Arabic Text Classification Using Deep Learning Approach. , 2018, , .		20
14	Mitigating Iris-Based Replay Attacks. <i>International Journal of Machine Learning and Computing</i> , 2014, 4, 204-209.	0.6	19
15	DeepRMethylSite: a deep learning based approach for prediction of arginine methylation sites in proteins. <i>Molecular Omics</i> , 2020, 16, 448-454.	2.8	18
16	Multispectral iris recognition utilizing hough transform and modified LBP. , 2014, , .		16
17	Facial Recognition using Modified Local Binary Pattern and Random Forest. <i>International Journal of Artificial Intelligence &amp; Applications</i> , 2013, 4, 25-33.	0.5	15
18	Data augmentation in CNN-based periocular authentication. , 2016, , .		15

#	ARTICLE	IF	CITATIONS
19	Face Recognition Using Popular Deep Net Architectures: A Brief Comparative Study. Future Internet, 2021, 13, 164.	3.8	15
20	Continuous Authentication Using Mouse Clickstream Data Analysis. Lecture Notes in Computer Science, 2019, , 76-85.	1.3	15
21	Multi-class SVM based iris recognition. , 2007, , .		14
22	Multibiometric system using fuzzy level set, and genetic and evolutionary feature extraction. IET Biometrics, 2015, 4, 151-161.	2.5	14
23	Palm Print Authentication on a Cloud Platform. , 2018, , .		14
24	Applying Artificial Immune System for Intrusion Detection. , 2018, , .		14
25	RF-MaloSite and DL-Malosite: Methods based on random forest and deep learning to identify malonylation sites. Computational and Structural Biotechnology Journal, 2020, 18, 852-860.	4.1	14
26	An Iris Recognition Method Based On Zigzag Collarette Area and Asymmetrical Support Vector Machines. , 2006, , .		13
27	Network security analysis using Big Data technology. , 2016, , .		13
28	Adaptive asymmetrical SVM and genetic algorithms based iris recognition. , 2008, , .		12
29	IMPROVEMENT OF IRIS RECOGNITION PERFORMANCE USING REGION-BASED ACTIVE CONTOURS, GENETIC ALGORITHMS AND SVMs. International Journal of Pattern Recognition and Artificial Intelligence, 2010, 24, 1209-1236.	1.2	12
30	An Empirical Evaluation of Online Continuous Authentication and Anomaly Detection Using Mouse Clickstream Data Analysis. Applied Sciences (Switzerland), 2021, 11, 6083.	2.5	12
31	Fly Wing Biometrics Using Modified Local Binary Pattern, SVMs and Random Forest. International Journal of Machine Learning and Computing, 2014, 4, 279-285.	0.6	12
32	Recognition of unideal iris images using region-based active contour model and game theory. , 2010, , .		11
33	Iris segmentation using game theory. Signal, Image and Video Processing, 2012, 6, 301-315.	2.7	11
34	Iris Recognition Based on Zigzag Collarette Region and Asymmetrical Support Vector Machines. Lecture Notes in Computer Science, 2007, , 854-865.	1.3	10
35	Situation-based ontologies for a computational framework for identity focusing on crime scenes. , 2017, , .		10
36	A deep learning based approach for prediction of Chlamydomonas reinhardtii phosphorylation sites. Scientific Reports, 2021, 11, 12550.	3.3	10

#	ARTICLE	IF	CITATIONS
37	Secure Cyber Defense: An Analysis of Network Intrusion-Based Dataset CCD-IDSv1 with Machine Learning and Deep Learning Models. Electronics (Switzerland), 2021, 10, 1747.	3.1	9
38	Implementing a network intrusion detection system using semi-supervised support vector machine and random forest. , 2021, , .		8
39	Real-time large-scale big data networks analytics and visualization architecture. , 2015, , .		7
40	Touch based active user authentication using Deep Belief Networks and Random Forests. , 2016, , .		6
41	Iris Recognition Using Level Set and Local Binary Pattern. International Journal of Computer Theory and Engineering, 2014, 6, 416-420.	3.4	6
42	Iris Recognition Using Fuzzy Level Set and GEFE. International Journal of Machine Learning and Computing, 2014, 4, 225-231.	0.6	6
43	Multibiometric System Using Level Set, Modified LBP and Random Forest. International Journal of Image and Graphics, 2014, 14, 1450013.	1.5	5
44	Simulated Cloud Authentication Based on Touch Dynamics with SVM. , 2018, , .		4
45	A Study of Gender Bias in Face Presentation Attack and Its Mitigation. Future Internet, 2021, 13, 234.	3.8	4
46	Facial Recognition Utilizing Patch Based Game Theory. International Journal of Machine Learning and Computing, 2015, 5, 334-338.	0.6	4
47	Analyzing network traffic data using Hive queries. , 2017, , .		3
48	One-time password for biometric systems: disposable feature templates. , 2017, , .		3
49	Big Data Mining and Classification of Intelligent Material Science Data Using Machine Learning. Applied Sciences (Switzerland), 2021, 11, 8596.	2.5	3
50	Iris recognition using Level Set and hGEFE. , 2014, , .		2
51	A comparison of genetic based extraction methods for periocular recognition. , 2016, , .		2
52	Multispectral iris recognition based on group selection and game theory. , 2017, , .		2
53	Deep Learning Approach for U.S. Traffic Sign Recognition. , 2019, , .		2
54	Using deep learning techniques and genetic-based feature extraction for presentation attack mitigation. Array, 2020, 7, 100029.	4.0	2

#	ARTICLE	IF	CITATIONS
55	Multibiometric System Using Distance Regularized Level Set Method and Particle Swarm Optimization. Lecture Notes in Computer Science, 2012, , 590-599.	1.3	2
56	Robust password system based on dynamic factors. , 2016, , .		1
57	Multispectral Iris Recognition Using Patch Based Game Theory. Lecture Notes in Computer Science, 2014, , 112-119.	1.3	1
58	Extending disposable feature templates for mitigating replay attacks. International Journal of Information Privacy, Security and Integrity, 2017, 3, 96.	0.1	1
59	Secure biometric system for accessing home appliances via Internet. , 2009, , .		0
60	Genetic based Local Ternary Pattern Feature Extraction for mitigating replay attacks. , 2016, , .		0