

Sunil Aryal

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

438
citations

759233

12
h-index

794594

19
g-index

40
all docs

40
docs citations

40
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Levels of explainable artificial intelligence for human-aligned conversational explanations. Artificial Intelligence, 2021, 299, 103525.	5.8	43
2	Fusion of multi-scale bag of deep visual words features of chest X-ray images to detect COVID-19 infection. Scientific Reports, 2021, 11, 23914.	3.3	33
3	Improving iForest with Relative Mass. Lecture Notes in Computer Science, 2014, , 510-521.	1.3	32
4	Defying the gravity of learning curve: a characteristic of nearest neighbour anomaly detectors. Machine Learning, 2017, 106, 55-91.	5.4	27
5	Data-dependent dissimilarity measure: an effective alternative to geometric distance measures. Knowledge and Information Systems, 2017, 53, 479-506.	3.2	25
6	New bag of deep visual words based features to classify chest x-ray images for COVID-19 diagnosis. Health Information Science and Systems, 2021, 9, 24.	5.2	24
7	Mp-Dissimilarity: A Data Dependent Dissimilarity Measure. , 2014, , .		21
8	Fusion of whole and part features for the classification of histopathological image of breast tissue. Health Information Science and Systems, 2020, 8, 38.	5.2	19
9	Scene image representation by foreground, background and hybrid features. Expert Systems With Applications, 2021, 182, 115285.	7.6	19
10	NDVI Threshold-Based Urban Green Space Mapping from Sentinel-2A at the Local Governmental Area (LGA) Level of Victoria, Australia. Land, 2022, 11, 351.	2.9	18
11	Indoor Image Representation by High-Level Semantic Features. IEEE Access, 2019, 7, 84967-84979.	4.2	13
12	Vector representation based on a supervised codebook for Nepali documents classification. PeerJ Computer Science, 2021, 7, e412.	4.5	13
13	Revisiting Attribute Independence Assumption in Probabilistic Unsupervised Anomaly Detection. Lecture Notes in Computer Science, 2016, , 73-86.	1.3	12
14	Content and context features for scene image representation. Knowledge-Based Systems, 2021, 232, 107470.	7.1	12
15	A New Effective and Efficient Measure for Outlying Aspect Mining. Lecture Notes in Computer Science, 2020, , 463-474.	1.3	12
16	A comparative study of data-dependent approaches without learning in measuring similarities of data objects. Data Mining and Knowledge Discovery, 2020, 34, 124-162.	3.7	11
17	Spectral- Spatial Anomaly Detection of Hyperspectral Data Based on Improved Isolation Forest. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	11
18	Unsupervised Deep Features for Privacy Image Classification. Lecture Notes in Computer Science, 2019, , 404-415.	1.3	11

#	ARTICLE	IF	CITATIONS
19	DEMass: a new density estimator for big data. Knowledge and Information Systems, 2013, 35, 493-524.	3.2	9
20	HDF: Hybrid Deep Features for Scene Image Representation. , 2020, , .		9
21	Tag-Based Semantic Features for Scene Image Classification. Lecture Notes in Computer Science, 2019, , 90-102.	1.3	6
22	Which Outlier Detector Should I use?. , 2018, , .		5
23	usfAD: a robust anomaly detector based on unsupervised stochastic forest. International Journal of Machine Learning and Cybernetics, 2021, 12, 1137-1150.	3.6	5
24	Anomaly Detection Technique Robust to Units and Scales of Measurement. Lecture Notes in Computer Science, 2018, , 589-601.	1.3	5
25	The Potential for ICT Tools to Promote Public Participation in Fighting Corruption. Advances in Public Policy and Administration, 2014, , 175-191.	0.1	5
26	Beyond tf-idf and Cosine Distance in Documents Dissimilarity Measure. Lecture Notes in Computer Science, 2015, , 400-406.	1.3	4
27	A Novel Perceptual Dissimilarity Measure for Image Retrieval. , 2018, , .		4
28	Modeling neurocognitive reaction time with gamma distribution. , 2018, , .		3
29	Simple supervised dissimilarity measure: Bolstering iForest-induced similarity with class information without learning. Knowledge and Information Systems, 2020, 62, 3203-3216.	3.2	3
30	MassBayes: A New Generative Classifier with Multi-dimensional Likelihood Estimation. Lecture Notes in Computer Science, 2013, , 136-148.	1.3	3
31	Application of E-Government Principles in Anti-Corruption Framework. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2017, , 56-74.	0.2	2
32	Origin of novel coronavirus causing COVID-19: A computational biology study using artificial intelligence. Machine Learning With Applications, 2022, , 100328.	4.4	2
33	The Potential for ICT Tools to Promote Public Participation in Fighting Corruption. , 2015, , 2291-2307.		1
34	Relevance of Frequency of Heart-Rate Peaks as Indicator of "Biological" Stress Level. Lecture Notes in Computer Science, 2018, , 598-609.	1.3	1
35	The Potential for ICT Tools to Promote Public Participation in Fighting Corruption. , 0, , 338-354.		1
36	A Generic Ensemble Approach to Estimate Multidimensional Likelihood in Bayesian Classifier Learning. Computational Intelligence, 2016, 32, 458-479.	3.2	0

#	ARTICLE	IF	CITATIONS
37	Image Clustering Using a Similarity Measure Incorporating Human Perception. , 2018, , .		0
38	Ensemble of Local Decision Trees for Anomaly Detection in Mixed Data. Lecture Notes in Computer Science, 2021, , 687-702.	1.3	0
39	SPAD+: An Improved Probabilistic Anomaly Detector based on One-dimensional Histograms. , 2021, , .		0