

RafaÅ, Scherer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2199316/publications.pdf>

Version: 2024-02-01

127
papers

1,577
citations

331259

21
h-index

360668

35
g-index

137
all docs

137
docs citations

137
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Brain Tumor Classification Using Deep Learning and Robust Feature Selection: A Machine Learning Application for Radiologists. <i>Diagnostics</i> , 2020, 10, 565.	1.3	231
2	Fast image classification by boosting fuzzy classifiers. <i>Information Sciences</i> , 2016, 327, 175-182.	4.0	121
3	Accurate and fast URL phishing detector: A convolutional neural network approach. <i>Computer Networks</i> , 2020, 178, 107275.	3.2	112
4	LSTM Recurrent Neural Networks for Short Text and Sentiment Classification. <i>Lecture Notes in Computer Science</i> , 2017, , 553-562.	1.0	82
5	Pearson Correlation-Based Feature Selection for Document Classification Using Balanced Training. <i>Sensors</i> , 2020, 20, 6793.	2.1	61
6	From Ensemble of Fuzzy Classifiers to Single Fuzzy Rule Base Classifier. <i>Lecture Notes in Computer Science</i> , 2008, , 265-272.	1.0	56
7	On Combining Backpropagation with Boosting. , 2006, , .		44
8	HEMIGEN: Human Embryo Image Generator Based on Generative Adversarial Networks. <i>Sensors</i> , 2019, 19, 3578.	2.1	38
9	Short-Term Load Forecasting Based on Adabelief Optimized Temporal Convolutional Network and Gated Recurrent Unit Hybrid Neural Network. <i>IEEE Access</i> , 2021, 9, 66965-66981.	2.6	33
10	From Single Image to List of Objects Based on Edge and Blob Detection. <i>Lecture Notes in Computer Science</i> , 2014, , 605-615.	1.0	33
11	DESIGNING BOOSTING ENSEMBLE OF RELATIONAL FUZZY SYSTEMS. <i>International Journal of Neural Systems</i> , 2010, 20, 381-388.	3.2	31
12	Neuro-fuzzy relational systems for nonlinear approximation and prediction. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, e1420-e1425.	0.6	30
13	Multiple Fuzzy Classification Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2012, , .	0.6	27
14	Content-Based Image Indexing by Data Clustering and Inverse Document Frequency. <i>Communications in Computer and Information Science</i> , 2014, , 374-383.	0.4	26
15	Neuro-fuzzy Rough Classifier Ensemble. <i>Lecture Notes in Computer Science</i> , 2009, , 817-823.	1.0	26
16	Neuro-Fuzzy Relational Classifiers. <i>Lecture Notes in Computer Science</i> , 2004, , 376-380.	1.0	25
17	Neuro-fuzzy Systems with Relation Matrix. <i>Lecture Notes in Computer Science</i> , 2010, , 210-215.	1.0	25
18	Object Detection by Simple Fuzzy Classifiers Generated by Boosting. <i>Lecture Notes in Computer Science</i> , 2013, , 540-547.	1.0	24

#	ARTICLE	IF	CITATIONS
19	AdaBoost Ensemble of DCOG Rough-Neuro-Fuzzy Systems. Lecture Notes in Computer Science, 2011, , 62-71.	1.0	24
20	Application of Neural Networks in Assessing Changes around Implant after Total Hip Arthroplasty. Lecture Notes in Computer Science, 2012, , 335-340.	1.0	23
21	Prediction of Streamflow Based on Dynamic Sliding Window LSTM. Water (Switzerland), 2020, 12, 3032.	1.2	22
22	Abnormal Detection of Electricity Consumption of User Based on Particle Swarm Optimization and Long Short Term Memory With the Attention Mechanism. IEEE Access, 2021, 9, 47252-47265.	2.6	22
23	A Fuzzy Relational System with Linguistic Antecedent Certainty Factors. , 2003, , 563-569.		22
24	Modular Type-2 Neuro-fuzzy Systems. , 2007, , 570-578.		19
25	Multi-layer Architecture For Storing Visual Data Based on WCF and Microsoft SQL Server Database. Lecture Notes in Computer Science, 2015, , 715-726.	1.0	17
26	Quality Control of the Continuous Hot Pressing Process of Medium Density Fiberboard Using Fuzzy Failure Mode and Effects Analysis. Applied Sciences (Switzerland), 2020, 10, 4627.	1.3	16
27	Content-based image retrieval optimization by differential evolution. , 2016, , .		14
28	Forecasting Wear of Head and Acetabulum in Hip Joint Implant. Lecture Notes in Computer Science, 2012, , 341-346.	1.0	14
29	Improved Digital Image Segmentation Based on Stereo Vision and Mean Shift Algorithm. Lecture Notes in Computer Science, 2014, , 433-443.	1.0	14
30	Review of Road Segmentation for SAR Images. Remote Sensing, 2021, 13, 1011.	1.8	13
31	Sitsen: Passive sitting posture sensing based on wireless devices. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110248.	1.3	11
32	New image descriptor from edge detector and blob extractor. Journal of Applied Mathematics and Computational Mechanics, 2015, 14, 31-39.	0.3	11
33	Ensemble of Rough-Neuro-Fuzzy Systems for Classification with Missing Features. , 2008, , .		10
34	An ensemble of logical-type neuro-fuzzy systems. Expert Systems With Applications, 2011, 38, 13115-13120.	4.4	10
35	Bag-of-features image indexing and classification in microsoft SQL server relational database. , 2015, , .		9
36	Inertia-based Fast Vectorization of Line Drawings. Computer Graphics Forum, 2019, 38, 203-213.	1.8	9

#	ARTICLE	IF	CITATIONS
37	HUMANNETâ€”A Two-Tiered Deep Neural Network Architecture for Self-Occluding Humanoid Pose Reconstruction. Sensors, 2021, 21, 3945.	2.1	9
38	Random Forests for Profiling Computer Network Users. Lecture Notes in Computer Science, 2018, , 734-739.	1.0	9
39	MSARâ€”DefogNet: Lightweight cloud removal network for high resolution remote sensing images based on multi scale convolution. IET Image Processing, 2022, 16, 659-668.	1.4	8
40	High-Resolution SAR Image Despeckling Based on Nonlocal Means Filter and Modified AA Model. Security and Communication Networks, 2020, 2020, 1-8.	1.0	7
41	Novel rough neural network for classification with missing data. , 2016, , .		6
42	Encoder-Decoder Based CNN Structure for Microscopic Image Identification. Lecture Notes in Computer Science, 2020, , 301-312.	1.0	6
43	Convolutional Neural Networks for Time Series Classification. Lecture Notes in Computer Science, 2017, , 635-642.	1.0	6
44	Deep Learning Methods in Short-Term Traffic Prediction: A Survey. Information Technology and Control, 2022, 51, 139-157.	1.1	6
45	A hierarchical neuro-fuzzy system based on S-implications. , 0, , .		5
46	Merging Ensemble of Neuro-Fuzzy Systems. , 2006, , .		5
47	Efficient Visual Classification by Fuzzy Rules. , 2020, , .		5
48	Fully Convolutional Network for Removing DCT Artefacts From Images. , 2020, , .		5
49	Content-based image retrieval by dictionary of local feature descriptors. , 2014, , .		4
50	Query-by-Example Image Retrieval in Microsoft SQL Server. Lecture Notes in Computer Science, 2016, , 746-754.	1.0	4
51	Distributed image retrieval with color and keypoint features. , 2017, , .		4
52	Fingerprinting of URL Logs: Continuous User Authentication from Behavioural Patterns. Lecture Notes in Computer Science, 2020, , 184-195.	1.0	4
53	New Methods for Uncertainty Representations in Neuro-Fuzzy Systems. Lecture Notes in Computer Science, 2004, , 659-667.	1.0	4
54	Negative Correlation Learning of Neuro-fuzzy System Ensembles. Lecture Notes in Computer Science, 2010, , 114-119.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Novel Method for Parasite Detection in Microscopic Samples. Lecture Notes in Computer Science, 2012, , 551-558.	1.0	4
56	Properties and Structure of Fast Text Search Engine in Context of Semantic Image Analysis. Lecture Notes in Computer Science, 2012, , 592-599.	1.0	4
57	Connectionist Fuzzy Relational Systems. Studies in Computational Intelligence, 0, , 35-47.	0.7	4
58	Human Segmentation and Tracking Survey on Masks for MADS Dataset. Sensors, 2021, 21, 8397.	2.1	4
59	MICOG defuzzification rough-neuro-fuzzy system ensemble. , 2010, , .		3
60	Neuro-fuzzy SystemsNeuro-fuzzy systems (NFS). , 2012, , 2069-2081.		3
61	Novel method for joining missing line fragments for medical image analysis. , 2017, , .		3
62	Distributed image retrieval with colour and keypoint features. Journal of Information and Telecommunication, 2019, 3, 430-445.	2.2	3
63	Microscopic Sample Segmentation by Fully Convolutional Network for Parasite Detection. Lecture Notes in Computer Science, 2019, , 164-171.	1.0	3
64	A Pilot Study for Investigating Gait Signatures in Multi-Scenario Applications. , 2020, , .		3
65	ChoMR: Multi-Receptive Lightweight Residual Modules for Hyperspectral Classification. Sensors, 2020, 20, 6823.	2.1	3
66	Grid-Based Concise Hash for Solar Images. Lecture Notes in Computer Science, 2021, , 242-254.	1.0	3
67	Traffic flow prediction based on BP neural network. , 2021, , .		3
68	FastText and XGBoost Content-Based Classification for Employment Web Scraping. Lecture Notes in Computer Science, 2020, , 435-444.	1.0	3
69	Modular Rough Neuro-fuzzy Systems for Classification. , 2007, , 540-548.		3
70	Financial Prediction with Neuro-fuzzy Systems. Lecture Notes in Computer Science, 2008, , 1120-1126.	1.0	3
71	Modular Neuro-Fuzzy Systems Based on Generalized Parametric Triangular Norms. Lecture Notes in Computer Science, 2010, , 332-339.	1.0	3
72	A Novel Graph-Based Descriptor for Object Matching. Lecture Notes in Computer Science, 2013, , 602-612.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Classification of Computer Network Users with Convolutional Neural Networks. , 0, , .		3
74	Extraction of Objects from Images Using Density of Edges as Basis for GrabCut Algorithm. Lecture Notes in Computer Science, 2013, , 613-623.	1.0	3
75	Bankline detection of GF-3 SAR images based on shearlet. PeerJ Computer Science, 2021, 7, e611.	2.7	3
76	Genetic Algorithm for Database Indexing. Lecture Notes in Computer Science, 2004, , 1142-1147.	1.0	2
77	Rule base normalization in Takagi-Sugeno ensemble. , 2011, , .		2
78	Robust Face Recognition by Group Sparse Representation That Uses Samples from List of Subjects. Lecture Notes in Computer Science, 2014, , 616-626.	1.0	2
79	Design Methodology for Rough Neuro-Fuzzy Classification with Missing Data. , 2015, , .		2
80	Efficient Bone Detector and Geometric Descriptor for X-Ray Imaging. , 2015, , .		2
81	Secure Representation of Images Using Multi-layer Compression. Lecture Notes in Computer Science, 2015, , 696-705.	1.0	2
82	Fast Computing Framework for Convolutional Neural Networks. , 2016, , .		2
83	Novel Image Descriptor Based on Color Spatial Distribution. Lecture Notes in Computer Science, 2016, , 712-722.	1.0	2
84	Interest point localization based on edge detection according to gestalt laws. , 2017, , .		2
85	Rough Neural Network Ensemble for Interval Data Classification. , 2018, , .		2
86	Fast Two-Level Image Indexing Based on Local Interest Points. , 2018, , .		2
87	Architecture of Database Index for Content-Based Image Retrieval Systems. Lecture Notes in Computer Science, 2018, , 36-47.	1.0	2
88	Software Framework for Fast Image Retrieval. , 2019, , .		2
89	Novel Algorithm for Translation from Image Content to Semantic Form. Lecture Notes in Computer Science, 2014, , 783-792.	1.0	2
90	Evolutionary Learning for Neuro-fuzzy Ensembles with Generalized Parametric Triangular Norms. Lecture Notes in Computer Science, 2010, , 74-79.	1.0	2

#	ARTICLE	IF	CITATIONS
91	Relational Modular Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 39-50.	0.6	2
92	Takagi-Sugeno Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 73-79.	0.6	2
93	Comparing Images Based on Histograms of Local Interest Points. Lecture Notes in Computer Science, 2014, , 423-432.	1.0	2
94	Color-Based Large-Scale Image Retrieval with Limited Hardware Resources. Lecture Notes in Computer Science, 2016, , 689-699.	1.0	1
95	Multilayer Architecture for Content-Based Image Retrieval Systems. , 2019, , .		1
96	Feature Detection. Studies in Computational Intelligence, 2020, , 7-32.	0.7	1
97	Novel Fast Binary Hash for Content-based Solar Image Retrieval. , 2020, , .		1
98	Discovering Sequential Patterns by Neural Networks. , 2020, , .		1
99	Design and Implementation of Regional Food Distribution Platform Based on Big Data. , 2021, , .		1
100	Solar Image Hashing by Intermediate Descriptor and Autoencoder. , 2021, , .		1
101	Ensemble Techniques. Studies in Fuzziness and Soft Computing, 2012, , 29-37.	0.6	1
102	Combining Logical-Type Neuro-fuzzy Systems. Lecture Notes in Computer Science, 2006, , 240-249.	1.0	1
103	Relational Type-2 Interval Fuzzy Systems. Lecture Notes in Computer Science, 2010, , 360-368.	1.0	1
104	Convolutional Recurrent Neural Networks for Computer Network Analysis. Lecture Notes in Computer Science, 2019, , 747-757.	1.0	1
105	Online Job Search and Recruitment Platform for College Students Based on SSH. , 2020, , .		1
106	On Obtaining Fuzzy Rule Base from Ensemble of Takagi-Sugeno Systems. , 2007, , .		0
107	On the Application of Orthogonal Series Density Estimation for Image Classification Based on Feature Description. Advances in Intelligent Systems and Computing, 2016, , 529-540.	0.5	0
108	Fast Imaging Sensor Identification. Lecture Notes in Computer Science, 2021, , 572-584.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Apple Packaging Redesign in LuochuanBased on the Concept of Sustainable Packaging. , 2021, , .		0
110	Isolines of Statistical Information Criteria for Relational Neuro-fuzzy System Design. Lecture Notes in Computer Science, 2006, , 288-296.	1.0	0
111	On Speeding Up the Learning Process of Neuro-fuzzy Ensembles Generated by the Adaboost Algorithm. Advances in Intelligent and Soft Computing, 2007, , 319-326.	0.2	0
112	Neuro-fuzzy SystemsNeuro-fuzzy systems (NFS). , 2009, , 6086-6099.		0
113	Neural Network-Based Assessment of Femur Stress after Hip Joint Alloplasty. Lecture Notes in Computer Science, 2010, , 621-626.	1.0	0
114	Introduction to Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 7-28.	0.6	0
115	Concluding Remarks and Challenges for Future Research. Studies in Fuzziness and Soft Computing, 2012, , 129-130.	0.6	0
116	Rough-neuro-fuzzy Ensembles for Classification with Missing Data. Studies in Fuzziness and Soft Computing, 2012, , 81-127.	0.6	0
117	Ensembles of the Mamdani Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 51-59.	0.6	0
118	Logical Type Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 61-71.	0.6	0
119	Fast Image Search by Trees of Keypoint Descriptors. Advances in Intelligent Systems and Computing, 2016, , 541-552.	0.5	0
120	Image Indexing Techniques. Studies in Computational Intelligence, 2020, , 33-82.	0.7	0
121	Image Retrieval and Classification in Relational Databases. Studies in Computational Intelligence, 2020, , 107-136.	0.7	0
122	Normal Grouping Density Separation (NGDS): A Novel Object-Driven Indoor Point Cloud Partition Method. Lecture Notes in Computer Science, 2020, , 100-114.	1.0	0
123	Active Region-Based Full-Disc Solar Image Hashing. Lecture Notes in Computer Science, 2020, , 19-30.	1.0	0
124	Research on variable scale algorithm. , 2020, , .		0
125	Design and implementation of forward modeling algorithm for anisotropic seismic waves. , 2020, , .		0
126	Educational Management System. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
127	Digital forensics: a fast algorithm for a digital sensor identification. Journal of Information and Telecommunication, 0, , 1-21.	2.2	0