

# RafaÅ, Scherer

## List of Publications by Year in descending order

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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	MSARâ€œDefogNet: 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
2	Deep Learning Methods in Short-Term Traffic Prediction: A Survey. Information Technology and Control, 2022, 51, 139-157.	1.1	6
3	Grid-Based Concise Hash for Solar Images. Lecture Notes in Computer Science, 2021, , 242-254.	1.0	3
4	Short-Term Load Forecasting Based on Adabelief Optimized Temporal Convolutional Network and Gated Recurrent Unit Hybrid Neural Network. IEEE Access, 2021, 9, 66965-66981.	2.6	33
5	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
6	Fast Imaging Sensor Identification. Lecture Notes in Computer Science, 2021, , 572-584.	1.0	0
7	Review of Road Segmentation for SAR Images. Remote Sensing, 2021, 13, 1011.	1.8	13
8	Apple Packaging Redesign in LuochuanBased on the Concept of Sustainable Packaging. , 2021, , .		0
9	Traffic flow prediction based on BP neural network. , 2021, , .		3
10	Design and Implementation of Regional Food Distribution Platform Based on Big Data. , 2021, , .		1
11	HUMANNETâ€œA Two-Tiered Deep Neural Network Architecture for Self-Occluding Humanoid Pose Reconstruction. Sensors, 2021, 21, 3945.	2.1	9
12	Sitsen: Passive sitting posture sensing based on wireless devices. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110248.	1.3	11
13	Solar Image Hashing by Intermediate Descriptor and Autoencoder. , 2021, , .		1
14	Bankline detection of GF-3 SAR images based on shearlet. PeerJ Computer Science, 2021, 7, e611.	2.7	3
15	Human Segmentation and Tracking Survey on Masks for MADS Dataset. Sensors, 2021, 21, 8397.	2.1	4
16	Feature Detection. Studies in Computational Intelligence, 2020, , 7-32.	0.7	1
17	Pearson Correlation-Based Feature Selection for Document Classification Using Balanced Training. Sensors, 2020, 20, 6793.	2.1	61
18	Multimodal Brain Tumor Classification Using Deep Learning and Robust Feature Selection: A Machine Learning Application for Radiologists. Diagnostics, 2020, 10, 565.	1.3	231

#	ARTICLE	IF	CITATIONS
19	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
20	A Pilot Study for Investigating Gait Signatures in Multi-Scenario Applications. , 2020, , .		3
21	Novel Fast Binary Hash for Content-based Solar Image Retrieval. , 2020, , .		1
22	Discovering Sequential Patterns by Neural Networks. , 2020, , .		1
23	Efficient Visual Classification by Fuzzy Rules. , 2020, , .		5
24	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
25	GhoMR: Multi-Receptive Lightweight Residual Modules for Hyperspectral Classification. Sensors, 2020, 20, 6823.	2.1	3
26	Prediction of Streamflow Based on Dynamic Sliding Window LSTM. Water (Switzerland), 2020, 12, 3032.	1.2	22
27	Fully Convolutional Network for Removing DCT Artefacts From Images. , 2020, , .		5
28	Accurate and fast URL phishing detector: A convolutional neural network approach. Computer Networks, 2020, 178, 107275.	3.2	112
29	Fingerprinting of URL Logs: Continuous User Authentication from Behavioural Patterns. Lecture Notes in Computer Science, 2020, , 184-195.	1.0	4
30	FastText and XGBoost Content-Based Classification for Employment Web Scraping. Lecture Notes in Computer Science, 2020, , 435-444.	1.0	3
31	Encoder-Decoder Based CNN Structure for Microscopic Image Identification. Lecture Notes in Computer Science, 2020, , 301-312.	1.0	6
32	Image Indexing Techniques. Studies in Computational Intelligence, 2020, , 33-82.	0.7	0
33	Image Retrieval and Classification in Relational Databases. Studies in Computational Intelligence, 2020, , 107-136.	0.7	0
34	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
35	Active Region-Based Full-Disc Solar Image Hashing. Lecture Notes in Computer Science, 2020, , 19-30.	1.0	0
36	Online Job Search and Recruitment Platform for College Students Based on SSH. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Research on variable scale algorithm. , 2020, , .		0
38	Design and implementation of forward modeling algorithm for anisotropic seismic waves. , 2020, , .		0
39	Educational Management System. , 2020, , .		0
40	Distributed image retrieval with colour and keypoint features. Journal of Information and Telecommunication, 2019, 3, 430-445.	2.2	3
41	HEMIGEN: Human Embryo Image Generator Based on Generative Adversarial Networks. Sensors, 2019, 19, 3578.	2.1	38
42	Microscopic Sample Segmentation by Fully Convolutional Network for Parasite Detection. Lecture Notes in Computer Science, 2019, , 164-171.	1.0	3
43	Multilayer Architecture for Content-Based Image Retrieval Systems. , 2019, , .		1
44	Software Framework for Fast Image Retrieval. , 2019, , .		2
45	Inertia-based Fast Vectorization of Line Drawings. Computer Graphics Forum, 2019, 38, 203-213.	1.8	9
46	Convolutional Recurrent Neural Networks for Computer Network Analysis. Lecture Notes in Computer Science, 2019, , 747-757.	1.0	1
47	Rough Neural Network Ensemble for Interval Data Classification. , 2018, , .		2
48	Fast Two-Level Image Indexing Based on Local Interest Points. , 2018, , .		2
49	Architecture of Database Index for Content-Based Image Retrieval Systems. Lecture Notes in Computer Science, 2018, , 36-47.	1.0	2
50	Random Forests for Profiling Computer Network Users. Lecture Notes in Computer Science, 2018, , 734-739.	1.0	9
51	Distributed image retrieval with color and keypoint features. , 2017, , .		4
52	Novel method for joining missing line fragments for medical image analysis. , 2017, , .		3
53	Interest point localization based on edge detection according to gestalt laws. , 2017, , .		2
54	LSTM Recurrent Neural Networks for Short Text and Sentiment Classification. Lecture Notes in Computer Science, 2017, , 553-562.	1.0	82

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55	Convolutional Neural Networks for Time Series Classification. Lecture Notes in Computer Science, 2017, , 635-642.	1.0	6
56	Novel rough neural network for classification with missing data. , 2016, , .		6
57	Content-based image retrieval optimization by differential evolution. , 2016, , .		14
58	Fast Computing Framework for Convolutional Neural Networks. , 2016, , .		2
59	Color-Based Large-Scale Image Retrieval with Limited Hardware Resources. Lecture Notes in Computer Science, 2016, , 689-699.	1.0	1
60	Novel Image Descriptor Based on Color Spatial Distribution. Lecture Notes in Computer Science, 2016, , 712-722.	1.0	2
61	Query-by-Example Image Retrieval in Microsoft SQL Server. Lecture Notes in Computer Science, 2016, , 746-754.	1.0	4
62	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
63	Fast image classification by boosting fuzzy classifiers. Information Sciences, 2016, 327, 175-182.	4.0	121
64	Fast Image Search by Trees of Keypoint Descriptors. Advances in Intelligent Systems and Computing, 2016, , 541-552.	0.5	0
65	Design Methodology for Rough Neuro-Fuzzy Classification with Missing Data. , 2015, , .		2
66	Efficient Bone Detector and Geometric Descriptor for X-Ray Imaging. , 2015, , .		2
67	Bag-of-features image indexing and classification in microsoft SQL server relational database. , 2015, , .		9
68	Secure Representation of Images Using Multi-layer Compression. Lecture Notes in Computer Science, 2015, , 696-705.	1.0	2
69	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
70	New image descriptor from edge detector and blob extractor. Journal of Applied Mathematics and Computational Mechanics, 2015, 14, 31-39.	0.3	11
71	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
72	Content-based image retrieval by dictionary of local feature descriptors. , 2014, , .		4

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73	Content-Based Image Indexing by Data Clustering and Inverse Document Frequency. Communications in Computer and Information Science, 2014, , 374-383.	0.4	26
74	Novel Algorithm for Translation from Image Content to Semantic Form. Lecture Notes in Computer Science, 2014, , 783-792.	1.0	2
75	From Single Image to List of Objects Based on Edge and Blob Detection. Lecture Notes in Computer Science, 2014, , 605-615.	1.0	33
76	Comparing Images Based on Histograms of Local Interest Points. Lecture Notes in Computer Science, 2014, , 423-432.	1.0	2
77	Improved Digital Image Segmentation Based on Stereo Vision and Mean Shift Algorithm. Lecture Notes in Computer Science, 2014, , 433-443.	1.0	14
78	Object Detection by Simple Fuzzy Classifiers Generated by Boosting. Lecture Notes in Computer Science, 2013, , 540-547.	1.0	24
79	A Novel Graph-Based Descriptor for Object Matching. Lecture Notes in Computer Science, 2013, , 602-612.	1.0	3
80	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
81	Neuro-fuzzy Systems Neuro-fuzzy systems (NFS). , 2012, , 2069-2081.		3
82	Multiple Fuzzy Classification Systems. Studies in Fuzziness and Soft Computing, 2012, , .	0.6	27
83	Novel Method for Parasite Detection in Microscopic Samples. Lecture Notes in Computer Science, 2012, , 551-558.	1.0	4
84	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
85	Application of Neural Networks in Assessing Changes around Implant after Total Hip Arthroplasty. Lecture Notes in Computer Science, 2012, , 335-340.	1.0	23
86	Forecasting Wear of Head and Acetabulum in Hip Joint Implant. Lecture Notes in Computer Science, 2012, , 341-346.	1.0	14
87	Ensemble Techniques. Studies in Fuzziness and Soft Computing, 2012, , 29-37.	0.6	1
88	Relational Modular Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 39-50.	0.6	2
89	Takagi-Sugeno Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 73-79.	0.6	2
90	Introduction to Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 7-28.	0.6	0

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91	Concluding Remarks and Challenges for Future Research. Studies in Fuzziness and Soft Computing, 2012, , 129-130.	0.6	0
92	Rough-neuro-fuzzy Ensembles for Classification with Missing Data. Studies in Fuzziness and Soft Computing, 2012, , 81-127.	0.6	0
93	Ensembles of the Mamdani Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 51-59.	0.6	0
94	Logical Type Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2012, , 61-71.	0.6	0
95	Rule base normalization in Takagi-Sugeno ensemble. , 2011, , .		2
96	An ensemble of logical-type neuro-fuzzy systems. Expert Systems With Applications, 2011, 38, 13115-13120.	4.4	10
97	AdaBoost Ensemble of DCOG Rough“Neuro“Fuzzy Systems. Lecture Notes in Computer Science, 2011, , 62-71.	1.0	24
98	MICOG defuzzification rough-neuro-fuzzy system ensemble. , 2010, , .		3
99	DESIGNING BOOSTING ENSEMBLE OF RELATIONAL FUZZY SYSTEMS. International Journal of Neural Systems, 2010, 20, 381-388.	3.2	31
100	Evolutionary Learning for Neuro-fuzzy Ensembles with Generalized Parametric Triangular Norms. Lecture Notes in Computer Science, 2010, , 74-79.	1.0	2
101	Negative Correlation Learning of Neuro-fuzzy System Ensembles. Lecture Notes in Computer Science, 2010, , 114-119.	1.0	4
102	Neuro-fuzzy Systems with Relation Matrix. Lecture Notes in Computer Science, 2010, , 210-215.	1.0	25
103	Modular Neuro-Fuzzy Systems Based on Generalized Parametric Triangular Norms. Lecture Notes in Computer Science, 2010, , 332-339.	1.0	3
104	Neural Network-Based Assessment of Femur Stress after Hip Joint Alloplasty. Lecture Notes in Computer Science, 2010, , 621-626.	1.0	0
105	Relational Type-2 Interval Fuzzy Systems. Lecture Notes in Computer Science, 2010, , 360-368.	1.0	1
106	Neuro-fuzzy relational systems for nonlinear approximation and prediction. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e1420-e1425.	0.6	30
107	Neuro-fuzzy Rough Classifier Ensemble. Lecture Notes in Computer Science, 2009, , 817-823.	1.0	26
108	Neuro-fuzzy SystemsNeuro-fuzzy systems (NFS). , 2009, , 6086-6099.		0

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109	Ensemble of Rough-Neuro-Fuzzy Systems for Classification with Missing Features. , 2008, , .		10
110	Financial Prediction with Neuro-fuzzy Systems. Lecture Notes in Computer Science, 2008, , 1120-1126.	1.0	3
111	From Ensemble of Fuzzy Classifiers to Single Fuzzy Rule Base Classifier. Lecture Notes in Computer Science, 2008, , 265-272.	1.0	56
112	On Obtaining Fuzzy Rule Base from Ensemble of Takagi-Sugeno Systems. , 2007, , .		0
113	Modular Rough Neuro-fuzzy Systems for Classification. , 2007, , 540-548.		3
114	Modular Type-2 Neuro-fuzzy Systems. , 2007, , 570-578.		19
115	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
116	On Combining Backpropagation with Boosting. , 2006, , .		44
117	Merging Ensemble of Neuro-Fuzzy Systems. , 2006, , .		5
118	Combining Logical-Type Neuro-fuzzy Systems. Lecture Notes in Computer Science, 2006, , 240-249.	1.0	1
119	Isolines of Statistical Information Criteria for Relational Neuro-fuzzy System Design. Lecture Notes in Computer Science, 2006, , 288-296.	1.0	0
120	Genetic Algorithm for Database Indexing. Lecture Notes in Computer Science, 2004, , 1142-1147.	1.0	2
121	New Methods for Uncertainty Representations in Neuro-Fuzzy Systems. Lecture Notes in Computer Science, 2004, , 659-667.	1.0	4
122	Neuro-Fuzzy Relational Classifiers. Lecture Notes in Computer Science, 2004, , 376-380.	1.0	25
123	A Fuzzy Relational System with Linguistic Antecedent Certainty Factors. , 2003, , 563-569.		22
124	A hierarchical neuro-fuzzy system based on S-implications. , 0, , .		5
125	Classification of Computer Network Users with Convolutional Neural Networks. , 0, , .		3
126	Connectionist Fuzzy Relational Systems. Studies in Computational Intelligence, 0, , 35-47.	0.7	4



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