

Bryan Scotney

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

1,125
citations

16
h-index

31
g-index

88
ext. papers

1,346
ext. citations

3.5
avg, IF

4.39
L-index

#	Paper	IF	Citations
79	Smart City Architecture and its Applications Based on IoT. <i>Procedia Computer Science</i> , 2015 , 52, 1089-1094	4.6	223
78	Evidential fusion of sensor data for activity recognition in smart homes. <i>Pervasive and Mobile Computing</i> , 2009 , 5, 236-252	3.5	158
77	Iris recognition failure over time: The effects of texture. <i>Pattern Recognition</i> , 2012 , 45, 145-150	7.7	54
76	Fully automated breast boundary and pectoral muscle segmentation in mammograms. <i>Artificial Intelligence in Medicine</i> , 2017 , 79, 28-41	7.4	50
75	Markovian Workload Characterization for QoS Prediction in the Cloud 2011 ,		44
74	Using evidence theory for the integration of distributed databases. <i>International Journal of Intelligent Systems</i> , 1997 , 12, 763-776	8.4	39
73	Breast Density Classification Using Local Quinary Patterns with Various Neighbourhood Topologies. <i>Journal of Imaging</i> , 2018 , 4, 14	3.1	38
72	. <i>IEEE MultiMedia</i> , 2010 , 17, 42-51	2.1	35
71	Combining wavelet analysis and Bayesian networks for the classification of auditory brainstem response. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006 , 10, 458-67		34
70	Video Reminders as Cognitive Prosthetics for People with Dementia. <i>Ageing International</i> , 2011 , 36, 267-282	2.82	33
69	Cache performance models for quality of service compliance in storage clouds. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2013 , 2, 1	3.2	30
68	Behavior life style analysis for mobile sensory data in cloud computing through MapReduce. <i>Sensors</i> , 2014 , 14, 22001-20	3.8	21
67	Optimal and efficient integration of heterogeneous summary tables in a distributed database. <i>Data and Knowledge Engineering</i> , 1999 , 29, 337-350	1.5	18
66	A multi-phase DES modelling framework for patient-centred care. <i>Journal of the Operational Research Society</i> , 2016 , 67, 1239-1249	2	17
65	Using phase-type models to cost stroke patient care across health, social and community services. <i>European Journal of Operational Research</i> , 2014 , 236, 190-199	5.6	17
64	Knowledge discovery by probabilistic clustering of distributed databases. <i>Data and Knowledge Engineering</i> , 2005 , 54, 189-210	1.5	17
63	Improving angular error via systematically designed near-circular Gaussian-based feature extraction operators. <i>Pattern Recognition</i> , 2007 , 40, 1451-1465	7.7	16

62	Minimum margin loss for deep face recognition. <i>Pattern Recognition</i> , 2020 , 97, 107012	7.7	16
61	Costing hospital resources for stroke patients using phase-type models. <i>Health Care Management Science</i> , 2011 , 14, 279-91	4	13
60	Application of Bayesian Networks for Autonomic Network Management. <i>Journal of Network and Systems Management</i> , 2014 , 22, 174-207	2.1	12
59	Analysis of Pigmented Skin Lesion Border Irregularity Using the Harmonic Wavelet Transform 2009 ,		12
58	Multiscale Edge Detection Using a Finite Element Framework for Hexagonal Pixel-Based Images. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1849-61	8.7	11
57	Machine learning based Call Admission Control approaches: A comparative study 2010 ,		11
56	Adaptive Grid Refinement Procedures for Efficient Optical Flow Computation. <i>International Journal of Computer Vision</i> , 2005 , 61, 31-54	10.6	10
55	Conceptual Clustering of Heterogeneous Gene Expression Sequences. <i>Artificial Intelligence Review</i> , 2003 , 20, 53-73	9.7	9
54	Incorporating domain knowledge into attribute-oriented data mining. <i>International Journal of Intelligent Systems</i> , 2000 , 15, 535-547	8.4	9
53	Segmentation of breast MR images using a generalised 2D mathematical model with inflation and deflation forces of active contours. <i>Artificial Intelligence in Medicine</i> , 2019 , 97, 44-60	7.4	9
52	An intervention mechanism for assistive living in smart homes. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2010 , 2, 233-252	2.2	8
51	Towards Secure and Privacy-Preserving IoT Enabled Smart Home: Architecture and Experimental Study. <i>Sensors</i> , 2020 , 20,	3.8	7
50	Stakeholder involvement guidelines to improve the design process of assistive technology: lesson from the development of the MPVS system. <i>Health and Technology</i> , 2013 , 3, 119-127	2.1	7
49	SLA-based scheduling of applications for geographically secluded clouds 2014 ,		7
48	A Reconfigurable Context-Aware Protocol Stack for Interplanetary Communication 2007 ,		7
47	Content-adaptive feature extraction using image variance. <i>Pattern Recognition</i> , 2005 , 38, 2426-2436	7.7	7
46	Tri-directional gradient operators for hexagonal image processing. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 614-626	2.7	7
45	A Practical Evaluation in Openstack Live Migration of VMs Using 10Gb/s Interfaces 2016 ,		6

44	A SLA-compliant Cloud resource allocation framework for N-tier applications 2012 ,		6
43	Integrating semantically heterogeneous aggregate views of distributed databases. <i>Distributed and Parallel Databases</i> , 2008 , 24, 73-94	0.9	6
42	DHAPM: A New Host Auto-configuration Protocol for Highly Dynamic MANETs. <i>Journal of Network and Systems Management</i> , 2006 , 14, 441-475	2.1	6
41	AGENTS FOR QUERYING DISTRIBUTED STATISTICAL DATABASES OVER THE INTERNET. <i>International Journal on Artificial Intelligence Tools</i> , 2002 , 11, 63-94	0.9	6
40	Concurrent Edge and Corner Detection 2007 ,		5
39	Improving angular error by near-circular operator design. <i>Pattern Recognition</i> , 2004 , 37, 169-172	7.7	5
38	Using background knowledge in the aggregation of imprecise evidence in databases. <i>Data and Knowledge Engineering</i> , 2000 , 32, 131-143	1.5	5
37	Survey on image encryption techniques using chaotic maps in spatial, transform and spatiotemporal domains. <i>International Journal of Information Security</i> ,1	2.8	5
36	An analysis of live migration in openstack using high speed optical network 2016 ,		4
35	Duration discretisation for activity recognition. <i>Technology and Health Care</i> , 2012 , 20, 277-95	1.1	4
34	Status and Recommendations of Technological and Data-Driven Innovations in Cancer Care: Focus Group Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e22034	7.6	4
33	Selective multi-descriptor fusion for face identification. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 3417-3429	3.8	3
32	Uncertainty Reasoning Based Formal Framework for Big Video Data Understanding 2014 ,		3
31	Adaptive tri-direction edge detection operators based on the spiral architecture 2010 ,		3
30	Corner detection on hexagonal pixel based images 2011 ,		3
29	Comparing and Improving Algorithms for Iris Recognition 2009 ,		3
28	Near-Circular Corner and Edge Detection Operators 2007 ,		3
27	Integrated Edge and Corner Detection 2007 ,		3

26	Classification of mammographic microcalcification clusters with machine learning confidence levels 2018,		3
25	A novel pseudo-random number generator for IoT based on a coupled map lattice system using the generalised symmetric map. <i>SN Applied Sciences</i> , 2022 , 4, 1	1.8	3
24	Model-Based Segmentation of Multimodal Images. <i>Lecture Notes in Computer Science</i> , 2007 , 604-611	0.9	3
23	Performance analysis of Bayesian Networks-based distributed Call Admission Control for NGN 2012 ,		2
22	Biologically motivated feature extraction using the spiral architecture 2011,		2
21	Using Dihedral Angles for Edge Extraction in Range Data. <i>Journal of Mathematical Imaging and Vision</i> , 2010 , 38, 108-118	1.6	2
20	Multi-scale Feature Extraction in a Sub-pixel Virtual Hexagonal Environment 2008,		2
19	Range Image Feature Extraction with Varying Degrees of Data Irregularity 2007,		2
18	A Graph Theoretic Approach to Direct Processing of Sparse Unwarped Panoramic Images 2006,		2
17	Laplacian Operators for Direct Processing of Range Data 2007,		2
16	Gaussian Based Non-linear Function Approximation for Reinforcement Learning. <i>SN Computer Science</i> , 2021 , 2, 1	2	2
15	Confidence Analysis for Breast Mass Image Classification 2018,		2
14	Novel Squirrel (square spiral) architecture for fast image processing. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 49, 371-381	2.7	1
13	Realtime utilisation of cloud storage 2012,		1
12	Novel distributed call admission control solution based on machine learning approach 2011,		1
11	A Space Variant Gradient Based Corner Detector for Sparse Omnidirectional Images. <i>Journal of Mathematical Imaging and Vision</i> , 2010 , 38, 119-131	1.6	1
10	Effect of Market Spread Over Reinforcement Learning Based Market Maker. <i>Lecture Notes in Computer Science</i> , 2019 , 143-153	0.9	1
9	Knowledge Discovery from Semantically Heterogeneous Aggregate Databases Using Model-Based Clustering. <i>Lecture Notes in Computer Science</i> , 2007 , 190-202	0.9	1

8	Optical Space Switches in Data Centers: Issues with Transport Protocols. <i>Photonics</i> , 2019 , 6, 16	2.2	○
7	Rule discovery for event histories. <i>Intelligent Data Analysis</i> , 2000 , 4, 349-362	1.1	○
6	Within-class multimodal classification. <i>Multimedia Tools and Applications</i> , 2020 , 79, 29327-29352	2.5	○
5	Clustering semantically heterogeneous distributed aggregate databases. <i>Knowledge and Information Systems</i> , 2014 , 38, 331-364	2.4	
4	Processing Sparse Panoramic Images via Space Variant Operators. <i>Journal of Mathematical Imaging and Vision</i> , 2008 , 32, 349-361	1.6	
3	Predictive Market Making via Machine Learning. <i>SN Operations Research Forum</i> , 2022 , 3, 1	0.5	
2	Facial Feature Extraction Using a 4D Stereo Camera System. <i>International Journal of Electronic Signal and Systems</i> , 2011 , 21-25		
1	Semi-automation of gesture annotation by machine learning and human collaboration. <i>Language Resources and Evaluation</i> , 1	1.8	