Bryan Scotney

List of Publications by Year in Descending Order

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	Predictive Market Making via Machine Learning. *SN Operations Research Forum*, **2022**, 3, 1	0.5	
78	A novel pseudo-random number generator for IoT based on a coupled map lattice system using the generalised symmetric map. *SN Applied Sciences*, **2022**, 4, 1	1.8	3
77	Gaussian Based Non-linear Function Approximation for Reinforcement Learning. *SN Computer Science*, **2021**, 2, 1	2	2
76	Towards Secure and Privacy-Preserving IoT Enabled Smart Home: Architecture and Experimental Study. *Sensors*, **2020**, 20,	3.8	7
75	Status and Recommendations of Technological and Data-Driven Innovations in Cancer Care: Focus Group Study. *Journal of Medical Internet Research*, **2020**, 22, e22034	7.6	4
74	Within-class multimodal classification. *Multimedia Tools and Applications*, **2020**, 79, 29327-29352	2.5	0
73	Minimum margin loss for deep face recognition. *Pattern Recognition*, **2020**, 97, 107012	7.7	16
72	Selective multi-descriptor fusion for face identification. *International Journal of Machine Learning and Cybernetics*, **2019**, 10, 3417-3429	3.8	3
71	Optical Space Switches in Data Centers: Issues with Transport Protocols. *Photonics*, **2019**, 6, 16	2.2	0
70	Effect of Market Spread Over Reinforcement Learning Based Market Maker. *Lecture Notes in Computer Science*, **2019**, 143-153	0.9	1
69	Segmentation of breast MR images using a generalised 2D mathematical model with inflation and deflation forces of active contours. *Artificial Intelligence in Medicine*, **2019**, 97, 44-60	7.4	9
68	Breast Density Classification Using Local Quinary Patterns with Various Neighbourhood Topologies. *Journal of Imaging*, **2018**, 4, 14	3.1	38
67	Classification of mammographic microcalcification clusters with machine learning confidence levels **2018**,		3
66	Confidence Analysis for Breast Mass Image Classification **2018**,		2
65	Fully automated breast boundary and pectoral muscle segmentation in mammograms. *Artificial Intelligence in Medicine*, **2017**, 79, 28-41	7.4	50
64	Novel Squiral (square spiral) architecture for fast image processing. *Journal of Visual Communication and Image Representation*, **2017**, 49, 371-381	2.7	1
63	An analysis of live migration in openstack using high speed optical network **2016**,		4

62	A Practical Evaluation in Openstack Live Migration of VMs Using 10Gb/s Interfaces **2016**,		6
61	A multi-phase DES modelling framework for patient-centred care. *Journal of the Operational Research Society*, **2016**, 67, 1239-1249	2	17
60	Multiscale Edge Detection Using a Finite Element Framework for Hexagonal Pixel-Based Images. *IEEE Transactions on Image Processing*, **2016**, 25, 1849-61	8.7	11
59	Tri-directional gradient operators for hexagonal image processing. *Journal of Visual Communication and Image Representation*, **2016**, 38, 614-626	2.7	7
58	Smart City Architecture and its Applications Based on IoT. *Procedia Computer Science*, **2015**, 52, 1089-1094	1.6	223
57	Application of Bayesian Networks for Autonomic Network Management. *Journal of Network and Systems Management*, **2014**, 22, 174-207	2.1	12
56	Using phase-type models to cost stroke patient care across health, social and community services. *European Journal of Operational Research*, **2014**, 236, 190-199	5.6	17
55	SLA-based scheduling of applications for geographically secluded clouds **2014**,		7
54	Uncertainty Reasoning Based Formal Framework for Big Video Data Understanding **2014**,		3
53	Behavior life style analysis for mobile sensory data in cloud computing through MapReduce. *Sensors*, **2014**, 14, 22001-20	3.8	21
52	Clustering semantically heterogeneous distributed aggregate databases. *Knowledge and Information Systems*, **2014**, 38, 331-364	2.4	
51	Cache performance models for quality of service compliance in storage clouds. *Journal of Cloud Computing: Advances, Systems and Applications*, **2013**, 2, 1	3.2	30
50	Stakeholder involvement guidelines to improve the design process of assistive technology: lesson from the development of the MPVS system. *Health and Technology*, **2013**, 3, 119-127	2.1	7
49	Iris recognition failure over time: The effects of texture. *Pattern Recognition*, **2012**, 45, 145-150	7.7	54
48	Performance analysis of Bayesian Networks-based distributed Call Admission Control for NGN **2012**,		2
47	Realtime utilisation of cloud storage **2012**,		1
46	A SLA-compliant Cloud resource allocation framework for N-tier applications **2012**,		6
45	Duration discretisation for activity recognition. *Technology and Health Care*, **2012**, 20, 277-95	1.1	4

44	Markovian Workload Characterization for QoS Prediction in the Cloud **2011**,		44
43	Costing hospital resources for stroke patients using phase-type models. *Health Care Management Science*, **2011**, 14, 279-91	4	13
42	Video Reminders as Cognitive Prosthetics for People with Dementia. *Ageing International*, **2011**, 36, 267-282	2	33
41	Corner detection on hexagonal pixel based images **2011**,		3
40	Novel distributed call admission control solution based on machine learning approach **2011**,		1
39	Biologically motivated feature extraction using the spiral architecture **2011**,		2
38	Facial Feature Extraction Using a 4D Stereo Camera System. *International Journal of Electronic Signal and Systems*, **2011**, 21-25		
37	Machine learning based Call Admission Control approaches: A comparative study **2010**,		11
36	Adaptive tri-direction edge detection operators based on the spiral architecture **2010**,		3
35	. *IEEE MultiMedia*, **2010**, 17, 42-51	2.1	35
34	An intervention mechanism for assistive living in smart homes. *Journal of Ambient Intelligence and Smart Environments*, **2010**, 2, 233-252	2.2	8
33	A Space Variant Gradient Based Corner Detector for Sparse Omnidirectional Images. *Journal of Mathematical Imaging and Vision*, **2010**, 38, 119-131	1.6	1
32	Using Dihedral Angles for Edge Extraction in Range Data. *Journal of Mathematical Imaging and Vision*, **2010**, 38, 108-118	1.6	2
31	Evidential fusion of sensor data for activity recognition in smart homes. *Pervasive and Mobile Computing*, **2009**, 5, 236-252	3.5	158
30	Analysis of Pigmented Skin Lesion Border Irregularity Using the Harmonic Wavelet Transform **2009**,		12
29	Comparing and Improving Algorithms for Iris Recognition **2009**,		3
28	Multi-scale Feature Extraction in a Sub-pixel Virtual Hexagonal Environment **2008**,		2
27	Integrating semantically heterogeneous aggregate views of distributed databases. *Distributed and Parallel Databases*, **2008**, 24, 73-94	0.9	6

26	Processing Sparse Panoramic Images via Space Variant Operators. *Journal of Mathematical Imaging and Vision*, **2008**, 32, 349-361	1.6	
25	Range Image Feature Extraction with Varying Degrees of Data Irregularity **2007**,		2
24	Near-Circular Corner and Edge Detection Operators **2007**,		3
23	Improving angular error via systematically designed near-circular Gaussian-based feature extraction operators. *Pattern Recognition*, **2007**, 40, 1451-1465	7.7	16
22	Concurrent Edge and Corner Detection **2007**,		5
21	Laplacian Operators for Direct Processing of Range Data **2007**,		2
20	Integrated Edge and Corner Detection **2007**,		3
19	A Reconfigurable Context-Aware Protocol Stack for Interplanetary Communication **2007**,		7
18	Knowledge Discovery from Semantically Heterogeneous Aggregate Databases Using Model-Based Clustering. *Lecture Notes in Computer Science*, **2007**, 190-202	0.9	1
17	Model-Based Segmentation of Multimodal Images. *Lecture Notes in Computer Science*, **2007**, 604-611	0.9	3
16	Combining wavelet analysis and Bayesian networks for the classification of auditory brainstem response. *IEEE Transactions on Information Technology in Biomedicine*, **2006**, 10, 458-67		34
15	A Graph Theoretic Approach to Direct Processing of Sparse Unwarped Panoramic Images **2006**,		2
14	DHAPM: A New Host Auto-configuration Protocol for Highly Dynamic MANETs. *Journal of Network and Systems Management*, **2006**, 14, 441-475	2.1	6
13	Content-adaptive feature extraction using image variance. *Pattern Recognition*, **2005**, 38, 2426-2436	7.7	7
12	Adaptive Grid Refinement Procedures for Efficient Optical Flow Computation. *International Journal of Computer Vision*, **2005**, 61, 31-54	10.6	10
11	Knowledge discovery by probabilistic clustering of distributed databases. *Data and Knowledge Engineering*, **2005**, 54, 189-210	1.5	17
10	Improving angular error by near-circular operator design. *Pattern Recognition*, **2004**, 37, 169-172	7.7	5
9	Conceptual Clustering of Heterogeneous Gene Expression Sequences. *Artificial Intelligence Review*, **2003**, 20, 53-73	9.7	9

8	AGENTS FOR QUERYING DISTRIBUTED STATISTICAL DATABASES OVER THE INTERNET. *International Journal on Artificial Intelligence Tools*, **2002**, 11, 63-94	0.9	6
7	Incorporating domain knowledge into attribute-oriented data mining. *International Journal of Intelligent Systems*, **2000**, 15, 535-547	8.4	9
6	Using background knowledge in the aggregation of imprecise evidence in databases. *Data and Knowledge Engineering*, **2000**, 32, 131-143	1.5	5
5	Rule discovery for event histories. *Intelligent Data Analysis*, **2000**, 4, 349-362	1.1	0
4	Optimal and efficient integration of heterogeneous summary tables in a distributed database. *Data and Knowledge Engineering*, **1999**, 29, 337-350	1.5	18
3	Using evidence theory for the integration of distributed databases. *International Journal of Intelligent Systems*, **1997**, 12, 763-776	8.4	39
2	Semi-automation of gesture annotation by machine learning and human collaboration. *Language Resources and Evaluation*,1	1.8	
1	Survey on image encryption techniques using chaotic maps in spatial, transform and spatiotemporal domains. *International Journal of Information Security*,1	2.8	5