

Bryan Scotney

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,538
citations

430442

18
h-index

344852

36
g-index

88
all docs

88
docs citations

88
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart City Architecture and its Applications Based on IoT. <i>Procedia Computer Science</i> , 2015, 52, 1089-1094.	1.2	304
2	Evidential fusion of sensor data for activity recognition in smart homes. <i>Pervasive and Mobile Computing</i> , 2009, 5, 236-252.	2.1	189
3	Iris recognition failure over time: The effects of texture. <i>Pattern Recognition</i> , 2012, 45, 145-150.	5.1	96
4	Fully automated breast boundary and pectoral muscle segmentation in mammograms. <i>Artificial Intelligence in Medicine</i> , 2017, 79, 28-41.	3.8	64
5	Markovian Workload Characterization for QoS Prediction in the Cloud. , 2011, , .		61
6	Breast Density Classification Using Local Quinary Patterns with Various Neighbourhood Topologies. <i>Journal of Imaging</i> , 2018, 4, 14.	1.7	52
7	Using evidence theory for the integration of distributed databases. <i>International Journal of Intelligent Systems</i> , 1997, 12, 763-776.	3.3	46
8	Survey on image encryption techniques using chaotic maps in spatial, transform and spatiotemporal domains. <i>International Journal of Information Security</i> , 2022, 21, 917-935.	2.3	46
9	A Mobile Multimedia Technology to Aid Those with Alzheimer's Disease. <i>IEEE MultiMedia</i> , 2010, 17, 42-51.	1.5	39
10	Video Reminders as Cognitive Prosthetics for People with Dementia. <i>Ageing International</i> , 2011, 36, 267-282.	0.6	38
11	Combining Wavelet Analysis and Bayesian Networks for the Classification of Auditory Brainstem Response. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006, 10, 458-467.	3.6	37
12	Cache performance models for quality of service compliance in storage clouds. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2013, 2, 1.	2.1	36
13	Behavior Life Style Analysis for Mobile Sensory Data in Cloud Computing through MapReduce. <i>Sensors</i> , 2014, 14, 22001-22020.	2.1	25
14	Minimum margin loss for deep face recognition. <i>Pattern Recognition</i> , 2020, 97, 107012.	5.1	24
15	A multi-phase DES modelling framework for patient-centred care. <i>Journal of the Operational Research Society</i> , 2016, 67, 1239-1249.	2.1	23
16	Improving angular error via systematically designed near-circular Gaussian-based feature extraction operators. <i>Pattern Recognition</i> , 2007, 40, 1451-1465.	5.1	22
17	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.	3.5	22
18	Optimal and efficient integration of heterogeneous summary tables in a distributed database. <i>Data and Knowledge Engineering</i> , 1999, 29, 337-350.	2.1	21

#	ARTICLE	IF	CITATIONS
19	Multiscale Edge Detection using a Finite Element Framework for Hexagonal Pixel-based Images. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	19
20	Knowledge discovery by probabilistic clustering of distributed databases. Data and Knowledge Engineering, 2005, 54, 189-210.	2.1	17
21	Towards Secure and Privacy-Preserving IoT Enabled Smart Home: Architecture and Experimental Study. Sensors, 2020, 20, 6131.	2.1	16
22	Analysis of Pigmented Skin Lesion Border Irregularity Using the Harmonic Wavelet Transform. , 2009, , .		15
23	Costing hospital resources for stroke patients using phase-type models. Health Care Management Science, 2011, 14, 279-291.	1.5	15
24	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.	3.8	15
25	Incorporating domain knowledge into attribute-oriented data mining. International Journal of Intelligent Systems, 2000, 15, 535-547.	3.3	13
26	Application of Bayesian Networks for Autonomic Network Management. Journal of Network and Systems Management, 2014, 22, 174-207.	3.3	13
27	Machine learning based Call Admission Control approaches: A comparative study. , 2010, , .		12
28	Adaptive Grid Refinement Procedures for Efficient Optical Flow Computation. International Journal of Computer Vision, 2005, 61, 31-54.	10.9	11
29	A Practical Evaluation in Openstack Live Migration of VMs Using 10Gb/s Interfaces. , 2016, , .		11
30	Conceptual Clustering of Heterogeneous Gene Expression Sequences. Artificial Intelligence Review, 2003, 20, 53-73.	9.7	10
31	DHAPM: A New Host Auto-configuration Protocol for Highly Dynamic MANETs. Journal of Network and Systems Management, 2006, 14, 441-475.	3.3	10
32	SLA-based scheduling of applications for geographically secluded clouds. , 2014, , .		10
33	Tri-directional gradient operators for hexagonal image processing. Journal of Visual Communication and Image Representation, 2016, 38, 614-626.	1.7	10
34	A Reconfigurable Context-Aware Protocol Stack for Interplanetary Communication. , 2007, , .		9
35	An intervention mechanism for assistive living in smart homes. Journal of Ambient Intelligence and Smart Environments, 2010, 2, 233-252.	0.8	9
36	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.	1.5	9

#	ARTICLE	IF	CITATIONS
37	AGENTS FOR QUERYING DISTRIBUTED STATISTICAL DATABASES OVER THE INTERNET. International Journal on Artificial Intelligence Tools, 2002, 11, 63-94.	0.7	8
38	Content-adaptive feature extraction using image variance. Pattern Recognition, 2005, 38, 2426-2436.	5.1	8
39	Concurrent Edge and Corner Detection. , 2007, , .		8
40	Range Image Feature Extraction with Varying Degrees of Data Irregularity. , 2007, , .		8
41	Status and Recommendations of Technological and Data-Driven Innovations in Cancer Care: Focus Group Study. Journal of Medical Internet Research, 2020, 22, e22034.	2.1	8
42	Integrating semantically heterogeneous aggregate views of distributed databases. Distributed and Parallel Databases, 2008, 24, 73-94.	1.0	7
43	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
44	Improving angular error by near-circular operator design. Pattern Recognition, 2004, 37, 169-172.	5.1	6
45	Multi-scale Feature Extraction in a Sub-pixel Virtual Hexagonal Environment. , 2008, , .		6
46	A SLA-compliant Cloud resource allocation framework for N-tier applications. , 2012, , .		6
47	An analysis of live migration in openstack using high speed optical network. , 2016, , .		6
48	Classification of mammographic microcalcification clusters with machine learning confidence levels. , 2018, , .		6
49	Using background knowledge in the aggregation of imprecise evidence in databases. Data and Knowledge Engineering, 2000, 32, 131-143.	2.1	5
50	Duration discretisation for activity recognition. Technology and Health Care, 2007, 20, 277-295.	0.5	5
51	Biologically motivated feature extraction using the spiral architecture. , 2011, , .		5
52	Integrated Edge and Corner Detection. , 2007, , .		4
53	Comparing and Improving Algorithms for Iris Recognition. , 2009, , .		4
54	Uncertainty Reasoning Based Formal Framework for Big Video Data Understanding. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
55	Model-Based Segmentation of Multimodal Images. Lecture Notes in Computer Science, 2007, , 604-611.	1.0	4
56	Near-Circular Corner and Edge Detection Operators. , 2007, , .		3
57	A Space Variant Gradient Based Corner Detector for Sparse Omnidirectional Images. Journal of Mathematical Imaging and Vision, 2010, 38, 119-131.	0.8	3
58	Adaptive tri-direction edge detection operators based on the spiral architecture. , 2010, , .		3
59	Corner detection on hexagonal pixel based images. , 2011, , .		3
60	Realtime utilisation of cloud storage. , 2012, , .		3
61	Confidence Analysis for Breast Mass Image Classification. , 2018, , .		3
62	Selective multi-descriptor fusion for face identification. International Journal of Machine Learning and Cybernetics, 2019, 10, 3417-3429.	2.3	3
63	Gaussian Based Non-linear Function Approximation for Reinforcement Learning. SN Computer Science, 2021, 2, 1.	2.3	3
64	A Graph Theoretic Approach to Direct Processing of Sparse Unwarped Panoramic Images. , 2006, , .		2
65	Laplacian Operators for Direct Processing of Range Data. , 2007, , .		2
66	Interest point detection on incomplete images. , 2008, , .		2
67	Using Dihedral Angles for Edge Extraction in Range Data. Journal of Mathematical Imaging and Vision, 2010, 38, 108-118.	0.8	2
68	Novel distributed call admission control solution based on machine learning approach. , 2011, , .		2
69	Performance analysis of Bayesian Networks-based distributed Call Admission Control for NGN. , 2012, , .		2
70	Quality of Service Scheme for Intra/Inter-Data Center Communications. , 2017, , .		2
71	Novel "Squirrel" (square spiral) architecture for fast image processing. Journal of Visual Communication and Image Representation, 2017, 49, 371-381.	1.7	2
72	Optical Space Switches in Data Centers: Issues with Transport Protocols. Photonics, 2019, 6, 16.	0.9	2

#	ARTICLE	IF	CITATIONS
73	Predictive Market Making via Machine Learning. SN Operations Research Forum, 2022, 3, 1.	0.6	2
74	Semi-automation of gesture annotation by machine learning and human collaboration. Language Resources and Evaluation, 2022, 56, 673-700.	1.8	2
75	Rule discovery for event histories. Intelligent Data Analysis, 2000, 4, 349-362.	0.4	1
76	Coarse Scale Feature Extraction Using the Spiral Architecture Structure. , 2010, , .		1
77	Operational Performance of the Context-Aware Broker (CAB): A Communication and Management System for Delay-Tolerant Networks (DTNs). , 2010, , .		1
78	Using model-based clustering to discretise duration information for activity recognition. , 2011, , .		1
79	Activity recognition and resource optimization in mobile cloud through MapReduce. , 2013, , .		1
80	Within-class multimodal classification. Multimedia Tools and Applications, 2020, 79, 29327-29352.	2.6	1
81	Knowledge Discovery from Semantically Heterogeneous Aggregate Databases Using Model-Based Clustering. Lecture Notes in Computer Science, 2007, , 190-202.	1.0	1
82	Processing Sparse Panoramic Images via Space Variant Operators. Journal of Mathematical Imaging and Vision, 2008, 32, 349-361.	0.8	0
83	Fast Edge Map Pyramids for Hexagonal Image Structures. , 2009, , .		0
84	Clustering semantically heterogeneous distributed aggregate databases. Knowledge and Information Systems, 2014, 38, 331-364.	2.1	0
85	Facial Feature Extraction Using a 4D Stereo Camera System. International Journal of Electronic Signal and Systems, 2011, , 21-25.	0.1	0