Rajasvaran Logeswaran

List of Publications by Year
in descending order

78 papers	398 citations	1039880 9 h-index	940416 16 g-index
81 all docs	81 docs citations	81 times ranked	362 citing authors

#	Article	IF	Citations
1	KGMO: A swarm optimization algorithm based on the kinetic energy of gas molecules. Information Sciences, 2014, 275, 127-144.	4.0	47
2	Behavioral factors influencing virtual knowledge sharing: theory of reasoned action. Journal of Applied Research in Higher Education, 2011, 3, 116-134.	1.1	36
3	An enhanced hybrid method for time series prediction using linear and neural network models. Applied Intelligence, 2012, 37, 511-519.	3.3	28
4	Cost-effective handling of digital medical images in the telemedicine environment. International Journal of Medical Informatics, 2007, 76, 646-654.	1.6	22
5	Prediction Models for Early Risk Detection of Cardiovascular Event. Journal of Medical Systems, 2012, 36, 521-531.	2.2	17
6	Cholangiocarcinomaâ€"An Automated Preliminary Detection System Using MLP. Journal of Medical Systems, 2009, 33, 413-421.	2.2	16
7	A dual hybrid forecasting model for support of decision making in healthcare management. Advances in Engineering Software, 2012, 53, 23-32.	1.8	15
8	Improving Diagnostic Quality of MR Images Through Controlled Lossy Compression Using SPIHT. Journal of Medical Systems, 2006, 30, 139-143.	2.2	14
9	SCALE-SPACE SEGMENT GROWING FOR HIERARCHICAL DETECTION OF BILIARY TREE STRUCTURE. International Journal of Wavelets, Multiresolution and Information Processing, 2005, 03, 125-140.	0.9	13
10	A Comparison of ARIMA, Neural Network and Linear Regression Models for the Prediction of Infant Mortality Rate. , 2010, , .		12
11	A visual probe localization and calibration system for cost-effective computer-aided 3D ultrasound. Computers in Biology and Medicine, 2007, 37, 1141-1147.	3.9	10
12	Discontinuous Region Growing Scheme for Preliminary Detection of Tumor in MRCP Images. Journal of Medical Systems, 2006, 30, 317-324.	2.2	9
13	Neural networks aided stone detection in thick slab MRCP images. Medical and Biological Engineering and Computing, 2006, 44, 711-719.	1.6	9
14	Lossless compression of Fluoroscopy medical images using correlation and the combination of Run-length and Huffman coding. , 2012, , .		9
15	Auto-shape Lossless Compression of Pharynx and Esophagus Fluoroscopic Images. Journal of Medical Systems, 2015, 39, 5.	2.2	8
16	Design and Development of Kinect-Based Technology-Enhanced Teaching Classroom. Lecture Notes in Electrical Engineering, 2012, , 179-186.	0.3	8
17	Performance Survey of Several Lossless Compression Algorithms for Telemetry Applications. International Journal of Computers and Applications, 2001, 23, 1-9.	0.8	7
18	Liver Isolation in Abdominal MRI. Journal of Medical Systems, 2008, 32, 259-268.	2.2	7

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19	Improved Adaptive Neuro-Fuzzy Inference System for HIV/AIDS Time Series Prediction. Communications in Computer and Information Science, 2011, , 1-13.	0.4	7
20	Comparison of Denoising Techniques Applied on Low-Field MR Brain Images. , 2008, , .		6
21	Cost Effective Patient Location Monitoring System Using Webcams. Journal of Medical Systems, 2009, 33, 399-407.	2.2	6
22	Stone detection in MRCP images using controlled region growing. Computers in Biology and Medicine, 2007, 37, 1084-1091.	3.9	5
23	A Computer-aided Multidisease Diagnostic System Using MRCP. Journal of Digital Imaging, 2008, 21, 235-242.	1.6	5
24	Usability Evaluation Criteria for Internet of Things. International Journal of Information Technology and Computer Science, 2016, 8, 10-18.	0.8	5
25	A prediction-based neural network scheme for lossless data compression. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2002, 32, 358-365.	3.3	4
26	Model-Based Compression for 3D Medical Images Stored in the DICOM Format. Journal of Medical Systems, 2006, 30, 133-138.	2.2	4
27	Combined bilateral and anisotropic-diffusion filters for medical image de-noising. , 2011, , .		4
28	Improved Biliary Detection and Diagnosis through Intelligent Machine Analysis. Computer Methods and Programs in Biomedicine, 2012, 107, 404-412.	2.6	4
29	Lesion border detection in dermoscopy images using bilateral filter. , 2013, , .		4
30	Effect of encoders on the performance of lossless two-stage data compression schemes. Electronics Letters, 1999, 35, 1515.	0.5	3
31	Segment-growing Hierarchical Model for Bile Duct Detection in MRCP. Journal of Medical Systems, 2009, 33, 423-433.	2.2	3
32	Segmentation and compression of pharynx and esophagus fluoroscopic images. , 2013, , .		3
33	Overcoming the limitations of von Neumann architecture in big data systems. , 2017, , .		3
34	Wound Area Segmentation Using 4-D Probability Map and Superpixel Region Growing. , 2019, , .		3
35	Evaluation of Texture Analysis Techniques for Characterization of Multimode-Based Liver Images Using SGLCM and FOS. IFMBE Proceedings, 2007, , 262-266.	0.2	3
36	An Improved DCT-Based Image Watermarking Scheme Using Fast Walsh Hadamard Transform. International Journal of Computer and Electrical Engineering, 2013, , 271-278.	0.2	3

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37	A CLOUD-BASED SMART PARKING SYSTEM BASED ON IOT TECHNOLOGIES. Journal of Critical Reviews, 2020, 7, .	0.7	3
38	Radial Basis Neural Network for Lossless Data Compression. International Journal of Computers and Applications, 2002, 24, 14-19.	0.8	2
39	Node Status Algorithm for Load Balancing in Distributed Service Architectures at Paperless Medical Institutions. Journal of Medical Systems, 2008, 32, 453-461.	2.2	2
40	Diagnostic quality of X-ray films digitised using conventional digital cameras. Imaging Science Journal, 2009, 57, 1-7.	0.2	2
41	An image watermarking scheme based on FWHT-DCT. , 2010, , .		2
42	Graph-Cut Energy Minimization for Object Extraction in MRCP Medical Images. Journal of Medical Systems, 2012, 36, 311-320.	2.2	2
43	Effects of different classifiers in detecting infectious regions in chest radiographs. , 2014, , .		2
44	Detection of heart disorders using an advanced intelligent swarm algorithm. Intelligent Automation and Soft Computing, 2017, 23, 419-424.	1.6	2
45	Performance Evaluation of Analytics Models for Trends Analysis of News. Journal of Physics: Conference Series, 2020, 1712, 012021.	0.3	2
46	Magnetic resonance cholangiopancreatography image enhancement for automatic disease detection. World Journal of Radiology, 2010, 2, 269.	0.5	2
47	An Optimally Configured Hybrid Model for Healthcare Time Series Prediction. Asian Journal of Information Technology, 2011, 10, 209-217.	0.0	2
48	Hate Speech Detection in English and Non-English Languages: A Review of Techniques and Challenges. Webology, 2021, 18, 929-938.	0.3	2
49	3D scale space for structure analysis of 2D image series. , 0, , .		1
50	Reconstruction of biliary structure in 2D MRCP images using multi-scale analysis. Computers in Biology and Medicine, 2008, 38, 391-400.	3.9	1
51	An Adaptive Hybrid Algorithm for Time Series Prediction in Healthcare. , 2010, , .		1
52	A Novel Strategy for Load Balancing of Distributed Medical Applications. Journal of Medical Systems, 2012, 36, 483-490.	2.2	1
53	Near Field Communication Mobiquitous Learning System. , 2013, , .		1
54	Compression of Medical Images for Teleradiology. , 2008, , 21-31.		1

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55	Lossless Compression of Pharynx and Esophagus in Fluoroscopic Medical Images. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2013, , 483-487.	0.2	1
56	CHALLENGES AND DEVELOPMENT IN MALAY NATURAL LANGUAGE PROCESSING. Journal of Critical Reviews, 2020, 7, .	0.7	1
57	AUTO-INSURANCE FRAUD DETECTION: A BEHAVIORAL FEATURE ENGINEERING APPROACH. Journal of Critical Reviews, 2020, 7, .	0.7	1
58	Implementing Cost-effective 3-Dimensional Ultrasound Using Visual Probe Localization. Journal of Digital Imaging, 2007, 20, 352-366.	1.6	0
59	Development of morphological technique for segmentation of anatomical objects in abdominal MRI. Imaging Science Journal, 2008, 56, 243-253.	0.2	0
60	Customizable Wireless Remote Control for Collaborative Medical Diagnosis and Teaching. Journal of Medical Systems, 2009, 33, 389-398.	2.2	0
61	A joint filtering based SVD technique for image de-noising. , 2012, , .		0
62	Foreword from general chair: â€œTechnical knowledge sharing in signal processing with a historic backdropâ€. , 2013, , .		0
63	Non-von-neumann heap for better streaming, capturing and storing of raw 8K video data. , 2017, , .		0
64	Enhancement in the Identification of Slough Tissue in Chronic Wound Assessment. , 2019, , .		0
65	Sitting Posture Identifier to Overcome Health Issues. International Journal of Current Research and Review (discontinued), 2021, 13, 132-136.	0.1	0
66	Understanding the Time Dependent Transmissibility of COVID-19 Through Its Effective Reproduction Number (Rt). International Journal of Current Research and Review (discontinued), 2021, 13, 59-64.	0.1	0
67	Load Balancing Algorithms in Distributed Service Architectures for Medical Applications. International Journal of Healthcare Information Systems and Informatics, 2010, 5, 76-90.	1.0	0
68	Efficient Block-based Matching for Content-based Image Retrieval using Color Features. , 2011, , .		0
69	Improved Moving Picture Compression Using H.264/AVC and Run-Level Coding. Recent Patents on Signal Processing, 2011, 1, 55-61.	0.1	0
70	Load Balancing Algorithms in Distributed Service Architectures for Medical Applications. , 2012, , 248-262.		0
71	Tap-to-Learn Paradigm for T-Learning via Near Field Communication-Enabled Raspberry PI. Advanced Science Letters, 2015, 21, 2205-2209.	0.2	0
72	Exploration of Multiscale Geometric Analysis for Enhancement and Structure Detection in MRCP Images. , 2018, 1, .		0

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73	Dental Radiograph Segmentation and Classification—A Comparative Study of Hu's Moments and Histogram of Oriented Gradients. Journal of Computational and Theoretical Nanoscience, 2019, 16, 3612-3616.	0.4	0
74	Real-Time Sign Language Learning System. Journal of Physics: Conference Series, 2020, 1712, 012011.	0.3	0
75	Detecting Chronic Kidney Disease from Blood Samples using Neural Networks. Journal of Physics: Conference Series, 2020, 1712, 012008.	0.3	0
76	Evaluating Current Dental Imaging Modalities for Human Bite Mark. International Journal of Current Research and Review (discontinued), 2020, 12, 163-166.	0.1	0
77	Estimation of the Basic Reproduction Rate (R0) of the Novel Coronavirus (COVID-19). International Journal of Current Research and Review (discontinued), 2020, 12, 81-86.	0.1	0
78	Neural Networks in Medicine. , 0, , 144-165.		0