

# Aini Hussain

## List of Publications by Year in Descending Order

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**Version:** 2024-04-11

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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.

303 papers	5,058 citations	32 h-index	63 g-index
380 ext. papers	7,015 ext. citations	2.9 avg, IF	6.23 L-index

#	Paper	IF	Citations
303	Activities Recognition, Anomaly Detection and Next Activity Prediction Based on Neural Networks in Smart Homes. <i>IEEE Access</i> , <b>2022</b> , 10, 28219-28232	3.5	2
302	Power Electronics Converter Technology Integrated Energy Storage Management in Electric Vehicles: Emerging Trends, Analytical Assessment and Future Research Opportunities. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 562	2.6	3
301	A filter less improved control scheme for active/reactive energy management in fuel cell integrated grid system with harmonic reduction ability. <i>Applied Energy</i> , <b>2022</b> , 312, 118784	10.7	0
300	Energy Storage Controllers and Optimization Schemes Integration to Microgrid: An Analytical Assessment Towards Future Perspectives. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
299	A review of controllers and optimizations based scheduling operation for battery energy storage system towards decarbonization in microgrid: Challenges and future directions. <i>Journal of Cleaner Production</i> , <b>2022</b> , 132188	10.3	4
298	Implementation of Maximum Power Point Tracking Techniques for PV-Wind Hybrid Energy System: A Review <b>2021</b> ,		1
297	Multi-Channel Profile Based Artificial Neural Network Approach for Remaining Useful Life Prediction of Electric Vehicle Lithium-Ion Batteries. <i>Energies</i> , <b>2021</b> , 14, 7521	3.1	6
296	Optimized Energy Management Schemes for Electric Vehicle Applications: A Bibliometric Analysis towards Future Trends. <i>Sustainability</i> , <b>2021</b> , 13, 12800	3.6	6
295	Data-Driven Remaining Useful Life Prediction for Lithium-Ion Batteries Using Multi-Charging Profile Framework: A Recurrent Neural Network Approach. <i>Sustainability</i> , <b>2021</b> , 13, 13333	3.6	2
294	Data-driven hybrid approaches for renewable power prediction toward grid decarbonization: Applications, issues and suggestions. <i>Journal of Cleaner Production</i> , <b>2021</b> , 129476	10.3	4
293	Fault Detection and Protection Schemes for Distributed Generation Integrated to Distribution Network: Challenges and Suggestions. <i>IEEE Access</i> , <b>2021</b> , 9, 142693-142717	3.5	1
292	Towards Automated Keratoconus Screening Approach using Lateral Segment Photographed Images <b>2021</b> ,		2
291	Intelligent algorithms and control strategies for battery management system in electric vehicles: Progress, challenges and future outlook. <i>Journal of Cleaner Production</i> , <b>2021</b> , 292, 126044	10.3	44
290	B-COSFIRE and Background Normalisation for Efficient Segmentation of Retinal Vessels <b>2021</b> ,		1
289	Vibration based energy harvesting system for mobile device charging. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2021</b> , 65, 149-169	0.4	1
288	Artificial Intelligence Based Hybrid Forecasting Approaches for Wind Power Generation: Progress, Challenges and Prospects. <i>IEEE Access</i> , <b>2021</b> , 9, 102460-102489	3.5	11
287	A Hybrid Optimization Approach for the Enhancement of Efficiency of a Piezoelectric Energy Harvesting System. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 75	2.6	3

286	Review of Electric Vehicle Converter Configurations, Control Schemes and Optimizations: Challenges and Suggestions. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 477	2.6	13
285	A Review of Monitoring Technologies for Solar PV Systems Using Data Processing Modules and Transmission Protocols: Progress, Challenges and Prospects. <i>Sustainability</i> , <b>2021</b> , 13, 8120	3.6	17
284	A Comparison of Sequential Prediction Algorithms in IoT Enabled Smart Environments <b>2021</b> ,		1
283	Classification of oil palm fresh fruit maturity based on carotene content from Raman spectra. <i>Scientific Reports</i> , <b>2021</b> , 11, 18315	4.9	0
282	Three-Phase Six-Level Multilevel Voltage Source Inverter: Modeling and Experimental Validation. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	2
281	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. <i>Scientific Reports</i> , <b>2020</b> , 10, 4687	4.9	54
280	Application of complex event processing approaches for intelligent building development: A review. <i>Journal of Ambient Intelligence and Smart Environments</i> , <b>2020</b> , 12, 101-124	2.2	2
279	Automated sorting of recycled paper using smart image processing. <i>Automatisierungstechnik</i> , <b>2020</b> , 68, 277-293	0.8	0
278	A Survey on LiDAR Scanning Mechanisms. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 741	2.6	44
277	Data-driven state of charge estimation of lithium-ion batteries: Algorithms, implementation factors, limitations and future trends. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 124110	10.3	39
276	State of Charge Estimation in Lithium-Ion Batteries: A Neural Network Optimization Approach. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1546	2.6	21
275	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. <i>Sustainable Cities and Society</i> , <b>2020</b> , 62, 102393	10.1	31
274	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , <b>2020</b> , 11, 3792	17.4	11
273	Solid waste collection optimization objectives, constraints, modeling approaches, and their challenges toward achieving sustainable development goals. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123557	10.3	24
272	Automated Pterygium Detection Using Deep Neural Network. <i>IEEE Access</i> , <b>2020</b> , 8, 191659-191672	3.5	9
271	Keratoconus Detection Using the Fusion Features of Anterior and Lateral Segment Photographed Images. <i>IEEE Access</i> , <b>2020</b> , 8, 142282-142294	3.5	4
270	CBIR-DSN: integrating clustering and retrieval platforms for disk space narrowing degradation assessment. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 18887-18919	2.5	1
269	Vision-Based Traffic Sign Detection and Recognition Systems: Current Trends and Challenges. <i>Sensors</i> , <b>2019</b> , 19,	3.8	38

268	An automated glaucoma screening system using cup-to-disc ratio via Simple Linear Iterative Clustering superpixel approach. <i>Biomedical Signal Processing and Control</i> , <b>2019</b> , 53, 101454	4.9	28
267	Extreme Learning Machine Model for State-of-Charge Estimation of Lithium-Ion Battery Using Gravitational Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4225-4234	4.3	59
266	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. <i>IEEE Access</i> , <b>2019</b> , 7, 24934-24955	3.5	46
265	Binary Particle Swarm Optimization for Scheduling MG Integrated Virtual Power Plant Toward Energy Saving. <i>IEEE Access</i> , <b>2019</b> , 7, 107937-107951	3.5	22
264	Automated Corneal Segmentation of Anterior Segment Photographed Images using Centroid-Based Active Contour Model. <i>Procedia Computer Science</i> , <b>2019</b> , 163, 330-337	1.6	1
263	Compact Convolutional Neural Networks for Pterygium Classification using Transfer Learning <b>2019</b> ,		9
262	<b>2019</b> ,		3
261	Neural Network Approach for Estimating State of Charge of Lithium-Ion Battery Using Backtracking Search Algorithm. <i>IEEE Access</i> , <b>2018</b> , 6, 10069-10079	3.5	125
260	State-of-the-Art and Energy Management System of Lithium-Ion Batteries in Electric Vehicle Applications: Issues and Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 19362-19378	3.5	265
259	Anterior osteoporosis classification in cervical vertebrae using fuzzy decision tree. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 4011-4045	2.5	6
258	Optimization techniques to enhance the performance of induction motor drives: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 81, 1611-1626	16.2	68
257	Capacitated vehicle-routing problem model for scheduled solid waste collection and route optimization using PSO algorithm. <i>Waste Management</i> , <b>2018</b> , 71, 31-41	8.6	89
256	Automated pterygium detection method of anterior segment photographed images. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 154, 71-78	6.9	17
255	Improved recurrent NARX neural network model for state of charge estimation of lithium-ion battery using pso algorithm <b>2018</b> ,		9
254	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. <i>IEEE Access</i> , <b>2018</b> , 6, 35143-35164	3.5	209
253	Activity Recognition for Smart Building Application Using Complex Event Processing Approach. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2018</b> , 8, 315	1.6	2
252	Effects of Color Constancy Algorithm on Retinal Blood Vessel Segmentation. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 1555-1558	0.1	
251	Blood Vessel Segmentation from Color Retinal Images Using K-Means Clustering and 2D Gabor Wavelet. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 221-227	0.2	3

250	A Quantum Lightning Search Algorithm-Based Fuzzy Speed Controller for Induction Motor Drive. <i>IEEE Access</i> , <b>2018</b> , 6, 1214-1223	3.5	14
249	Modified Curvature-based Trigonometric Identities for Retinal Blood Vessel Tortuosity Measurement in Diabetic Retinopathy Fundus Images. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 133	0.8	
248	<b>2018</b> ,		2
247	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 78352-78369	3.5	29
246	A review of state of health and remaining useful life estimation methods for lithium-ion battery in electric vehicles: Challenges and recommendations. <i>Journal of Cleaner Production</i> , <b>2018</b> , 205, 115-133	10.3	246
245	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 47489-47510	3.5	23
244	. <i>IEEE Access</i> , <b>2018</b> , 6, 28150-28161	3.5	68
243	Application of artificial intelligence (AI) techniques in water quality index prediction: a case study in tropical region, Malaysia. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 893-905	4.8	88
242	Artificial intelligence and geo-statistical models for stream-flow forecasting in ungauged stations: state of the art. <i>Natural Hazards</i> , <b>2017</b> , 86, 1377-1392	3	18
241	A review of lithium-ion battery state of charge estimation and management system in electric vehicle applications: Challenges and recommendations. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 78, 834-854	16.2	767
240	Vessel extraction in retinal images using automatic thresholding and Gabor Wavelet. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2017</b> , 2017, 365-368	0.9	3
239	Optimal BP neural network algorithm for state of charge estimation of lithium-ion battery using PSO with PCA feature selection. <i>Journal of Renewable and Sustainable Energy</i> , <b>2017</b> , 9, 064102	2.5	32
238	Shape based image retrieval system for MRI spine <b>2017</b> ,		1
237	Optimal neural network approach for estimating state of energy of lithium-ion battery using heuristic optimization techniques <b>2017</b> ,		2
236	<b>2017</b> ,		2
235	Automated Shoreline Detection Using Natural Colour Composite on SPOT 5 Satellite Imagery. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 4601-4604	0.1	1
234	RBFNN versus FFNN for daily river flow forecasting at Johor River, Malaysia. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 1533-1542	4.8	62
233	Theoretical model and implementation of a real time intelligent bin status monitoring system using rule based decision algorithms. <i>Expert Systems With Applications</i> , <b>2016</b> , 48, 76-88	7.8	56

232	Void fraction of supersonic steam jet in subcooled water. <i>Flow Measurement and Instrumentation</i> , <b>2016</b> , 47, 35-44	2.2	8
231	Diabetic retinopathy assessment: Towards an automated system. <i>Biomedical Signal Processing and Control</i> , <b>2016</b> , 24, 72-82	4.9	25
230	Complex event detection in an intelligent surveillance system using CAISER platform <b>2016</b> ,		3
229	Semi-automated vertebral segmentation of human spine in MRI images <b>2016</b> ,		5
228	A study of retinal vascular tortuosity in diabetic retinopathy <b>2016</b> ,		2
227	A review on technologies and their usage in solid waste monitoring and management systems: Issues and challenges. <i>Waste Management</i> , <b>2015</b> , 43, 509-23	8.6	113
226	Design and development of a content-based medical image retrieval system for spine vertebrae irregularity. <i>BioMedical Engineering OnLine</i> , <b>2015</b> , 14, 6	4.1	9
225	DNA computer based algorithm for recyclable waste paper segregation. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 31, 223-240	7.5	2
224	Image retrieval system for medical applications <b>2015</b> ,		4
223	A review on the diabetic retinopathy assessment based on retinal vascular tortuosity <b>2015</b> ,		4
222	<b>2015</b> ,		1
221	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 561-567	4	25
220	ANN Based Sediment Prediction Model Utilizing Different Input Scenarios. <i>Water Resources Management</i> , <b>2015</b> , 29, 1231-1245	3.7	101
219	Iris segmentation method of pterygium anterior segment photographed image <b>2015</b> ,		6
218	GLOBAL FEATURE FOR LEFT VENTRICULAR DYSFUNCTION DETECTION BASED ON SHAPE DEFORMATION TRACKING. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2015</b> , 27, 1550017	0.6	1
217	An Automatic Traffic Sign Detection and Recognition System Based on Colour Segmentation, Shape Matching, and SVM. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-11	1.1	24
216	An adaptive nonlinear enhancement method using sigmoid function for iris segmentation in pterygium cases <b>2015</b> ,		4
215	On analyzing various density functions of local binary patterns for optic disc segmentation <b>2015</b> ,		8

214	Real Time Object Oriented 6-Point Skeleton Extraction Component from Human Silhouette for Video Surveillance and Analysis Application. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 367-380	0.9	1
213	Solid waste bin detection and classification using Dynamic Time Warping and MLP classifier. <i>Waste Management</i> , <b>2014</b> , 34, 281-90	8.6	40
212	Real time solid waste bin monitoring system framework using wireless sensor network <b>2014</b> ,		12
211	QIMS: An integrated image measurement and management system for engineering and scientific application <b>2014</b> ,		1
210	Energy harvesting for the implantable biomedical devices: issues and challenges. <i>BioMedical Engineering OnLine</i> , <b>2014</b> , 13, 79	4.1	176
209	Methods to enhance digital fundus image for diabetic retinopathy detection <b>2014</b> ,		11
208	Human gait state classification using artificial neural network <b>2014</b> ,		6
207	DEVELOPMENT OF BIO-IMPLANTED MICRO-SYSTEM WITH SELF-RECOVERY ASK DEMODULATOR FOR TRANSCUTANEOUS APPLICATIONS. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2014</b> , 14, 1450062	2.7	3
206	An analysis of x-ray image enhancement methods for vertebral bone segmentation <b>2014</b> ,		20
205	Multi-agent event detection system using k-nearest neighbor classifier <b>2014</b> ,		2
204	Analysis and optimization of spiral circular inductive coupling link for bio-implanted applications on air and within human tissue. <i>Sensors</i> , <b>2014</b> , 14, 11522-41	3.8	37
203	Automatic frequency controller for power amplifiers used in bio-implanted applications: issues and challenges. <i>Sensors</i> , <b>2014</b> , 14, 23843-70	3.8	11
202	Planning for sustainable development in the emerging information societies. <i>Journal of Science and Technology Policy Management</i> , <b>2014</b> , 5, 178-211	2.4	12
201	Real time bin status monitoring for solid waste collection route optimization <b>2014</b> ,		4
200	On analyzing optic disc extraction through weighted colour models <b>2014</b> ,		1
199	Inductive coupling links for lowest misalignment effects in transcutaneous implanted devices. <i>Biomedizinische Technik</i> , <b>2014</b> , 59, 257-68	1.3	5
198	Review of person re-identification techniques. <i>IET Computer Vision</i> , <b>2014</b> , 8, 455-474	1.4	29
197	RFID and communication technologies for an intelligent bus monitoring and management system. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , <b>2014</b> , 22, 106-120	0.9	3



196	Toward under-specified queries enhancement using retrieval and classification platforms <b>2014</b> ,		3
195	A critical review on waste paper sorting techniques. <i>International Journal of Environmental Science and Technology</i> , <b>2014</b> , 11, 551-564	3.3	40
194	Robust identification of polyethylene terephthalate (PET) plastics through Bayesian decision. <i>PLoS ONE</i> , <b>2014</b> , 9, e114518	3.7	17
193	A Novel Prototype and Simulation Model for Real Time Solid Waste Bin Monitoring System. <i>Jurnal Kejuruteraan</i> , <b>2014</b> , 26, 15-19	0	5
192	Modulation Schemes of SDR for RFID Signal Transmission Performance Evaluation. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 895-900		1
191	Daily Forecasting of Dam Water Levels: Comparing a Support Vector Machine (SVM) Model With Adaptive Neuro Fuzzy Inference System (ANFIS). <i>Water Resources Management</i> , <b>2013</b> , 27, 3803-3823	3.7	109
190	SESRG-InViSS: Image and video data set for human pose, action, activity and behaviour detection <b>2013</b> ,		2
189	Segmentation of Audio Visual Malay Digit Utterances Using Endpoint Detection. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 281-286	0.2	
188	Integrated sensing and communication technologies for automated solid waste bin monitoring system <b>2013</b> ,		2
187	Color-Spatial Person Re-identification by a Voting Matching Scheme. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 470-482	0.9	
186	Sudden event recognition: a survey. <i>Sensors</i> , <b>2013</b> , 13, 9966-98	3.8	14
185	Enhancement of Background Subtraction Techniques Using a Second Derivative in Gradient Direction Filter. <i>Journal of Electrical and Computer Engineering</i> , <b>2013</b> , 2013, 1-12	1.9	6
184	Probabilistic white strip approach to plastic bottle sorting system <b>2013</b> ,		3
183	Wireless Sensor Network Prototype for Solid Waste Bin Monitoring with Energy Efficient Sensing Algorithm <b>2013</b> ,		15
182	DESIGN OF SPIRAL CIRCULAR COILS IN WET AND DRY TISSUE FOR BIO-IMPLANTED MICRO-SYSTEM APPLICATIONS. <i>Progress in Electromagnetics Research M</i> , <b>2013</b> , 32, 181-200	0.6	7
181	A Review of Research on Creative Teachers in Higher Education. <i>International Education Studies</i> , <b>2013</b> , 6,	1.3	15
180	Inter-Vehicle Wireless Communications Technologies, Issues and Challenges. <i>Information Technology Journal</i> , <b>2013</b> , 12, 558-568	0.7	10
179	Performances of Invariant Feature Detectors in Real-Time Video Applications. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 193-205	0.9	2



178	Face Verification Using Multiple Localized Face Features. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 97-103.	9	
177	Genetically optimised disassembly sequence for automotive component reuse. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 5409-5417	7.8	54
176	Feature Selection and Extraction Methods for Power Systems Transient Stability Assessment Employing Computational Intelligence Techniques. <i>Neural Processing Letters</i> , <b>2012</b> , 35, 81-102	2.4	11
175	Appearance-based methods in re-identification: A brief review <b>2012</b> ,		5
174	Hand detection from silhouette for video surveillance application <b>2012</b> ,		3
173	Object identification using DNA computing algorithm <b>2012</b> ,		3
172	Sudden fall classification using motion features <b>2012</b> ,		5
171	How to Construct Open Ended Questions. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 60, 456-462		13
170	Assessment of Creativity in Electrical Engineering. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 60, 463-467		4
169	Modulation techniques for biomedical implanted devices and their challenges. <i>Sensors</i> , <b>2012</b> , 12, 297-319.	3.8	53
168	The Level of Critical and Analytical Thinking Skills among Electrical and Electronics Engineering Students, UKM. <i>Asian Social Science</i> , <b>2012</b> , 8,	0.8	4
167	Dynamic versus static neural network model for rainfall forecasting at Klang River Basin, Malaysia. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 1151-1169	5.5	43
166	Fast orthogonal search (FOS) versus fast Fourier transform (FFT) as spectral model estimations techniques applied for structural health monitoring (SHM). <i>Structural and Multidisciplinary Optimization</i> , <b>2012</b> , 45, 503-513	3.6	11
165	Accuracy Enhancement of Inertial Sensors Utilizing High Resolution Spectral Analysis. <i>Sensors</i> , <b>2012</b> , 12, 11638-11660	3.8	12
164	Development of a voice activity controlled noise canceller. <i>Sensors</i> , <b>2012</b> , 12, 6727-45	3.8	3
163	EFFICIENT DATA AND POWER TRANSFER FOR BIO-IMPLANTED DEVICES BASED ON ASK MODULATION TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2012</b> , 12, 1240030	0.7	3
162	Evaluation of Driver's Pre-Driving Skill on a Driving Simulator Using the Intelligent Dynamic Event Classifier (IDEA) Approach. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 165, 316-322	0.3	
161	Frontal view gait analysis of gender <b>2012</b> ,		2

160	A Robust Vision-based Lane Boundaries Detection Approach for Intelligent Vehicles. <i>Information Technology Journal</i> , <b>2012</b> , 11, 1184-1192	0.7	11
159	Implementing GIS in Bus Identification and Monitoring System <b>2011</b> ,		3
158	Warped Optical-Flow Inter-Frame Reconstruction for Ultrasound Image Enhancement. <i>Journal of Computer Science</i> , <b>2011</b> , 7, 1532-1540	0.5	2
157	Communication technologies for an intelligent bus monitoring system <b>2011</b> ,		2
156	Program Outcomes Measurement and Assessment Processes. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 18, 49-55		5
155	Nurturing Creativity and Innovative Thinking through Experiential Learning. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 18, 247-254		14
154	Moving object detection using keypoints reference model. <i>Eurasip Journal on Image and Video Processing</i> , <b>2011</b> , 2011,	2.5	4
153	Determination of transmission reliability margin considering uncertainties of system operating condition and transmission line outage. <i>European Transactions on Electrical Power</i> , <b>2011</b> , 21, 380-397		6
152	Determination of available transfer capability by means of Ralston's method incorporating cubic-spline interpolation technique. <i>European Transactions on Electrical Power</i> , <b>2011</b> , 21, 439-464		8
151	Fast transient stability assessment of large power system using probabilistic neural network with feature reduction techniques. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 11112-11119	7.8	28
150	Pentagon profile as image representation for human action interpretation task <b>2011</b> ,		1
149	Event description from video stream for anomalous human activity and behaviour detection <b>2011</b> ,		4
148	Automatic classification of diabetic macular edema in digital fundus images <b>2011</b> ,		32
147	Intelligent computer vision system for segregating recyclable waste papers. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 10398-10407	7.8	17
146	Power quality diagnosis using time frequency analysis and rule based techniques. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 12592-12598	7.8	15
145	Sensing Systems and Algorithms for Airbag Deployment Decision. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 888-890		10
144	Enhanced optical flow field of left ventricular motion using quasi-Gaussian DCT filter. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 696, 461-9	3.6	
143	On the use of collinear and triangle equation for automatic segmentation and boundary detection of cardiac cavity images. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 696, 481-8	3.6	3

142	Software defined radio for RFID signal in Rayleigh fading channel <b>2010</b> ,		3
141	A New Algorithm for the Available Transfer Capability Determination. <i>Mathematical Problems in Engineering</i> , <b>2010</b> , 2010, 1-30	1.1	5
140	Plastic bottle shape classification using partial erosion-based approach <b>2010</b> ,		4
139	UKM campus bus monitoring system using RFID and GIS <b>2010</b> ,		6
138	Distal radius bone age estimation based on fuzzy model <b>2010</b> ,		3
137	<b>2010</b> ,		1
136	<b>2010</b> ,		6
135	Optimal feature selection for SVM based weed classification via visual analysis <b>2010</b> ,		3
134	Teaching microprocessor course: Challenges and initiatives <b>2010</b> ,		2
133	Capacity Benefit Margin (CBM) assessment incorporating tie-line reliability <b>2010</b> ,		3
132	Myocardial motion analysis using optical flow and wavelet decomposition <b>2010</b> ,		1
131	On the Use of Decision Tree for Posture Recognition <b>2010</b> ,		4
130	Real-time background subtraction for video surveillance: From research to reality <b>2010</b> ,		9
129	Design and development of intelligent anomalous behaviour and event detection system <b>2010</b> ,		6
128	Determination of composite power system expansion planning <b>2010</b> ,		2
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125	RFID Communication Using Software Defined Radio Technique <b>2010</b> ,		2

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118	Automatic Segmentation of Cardiac Cavity Images Using Collinear and Triangle Equation <b>2010</b> , 351-355		0
117	Performances of Speech Signal Biometric Systems Based on Signal to Noise Ratio Degradation. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 73-80		0
116	Automatic border detection of cardiac cavity images using boundary and triangle equation <b>2009</b> ,		2
115	Motion detection using Horn Schunck algorithm and implementation <b>2009</b> ,		5
114	Weed image classification using Gabor wavelet and gradient field distribution. <i>Computers and Electronics in Agriculture</i> , <b>2009</b> , 66, 53-61	6.5	46
113	Power quality analysis of STATCOM using dynamic phasor modeling. <i>Electric Power Systems Research</i> , <b>2009</b> , 79, 993-999	3.5	13
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111	An intelligent load shedding scheme using neural networks and neuro-fuzzy. <i>International Journal of Neural Systems</i> , <b>2009</b> , 19, 473-9	6.2	19
110	Inter-frame Enhancement of Ultrasound Images Using Optical Flow. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 191-201	0.9	8
109	Automatic Vertebral Fracture Assessment System (AVFAS) for Spinal Pathologies Diagnosis Based on Radiograph X-Ray Images. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 122-135	0.9	1
108	Warped anisotropic diffusion of ultrasound image <b>2009</b> ,		1
107	UKM campus bus identification and monitoring using RFID and GIS <b>2009</b> ,		10

106	Optical Flow improvement towards real time and natural rigid human motion estimation <b>2009</b> ,		1
105	ANFIS-Based Model for Real-time INS/GPS Data Fusion for Vehicular Navigation System <b>2009</b> ,		8
104	Motion detection using Lucas Kanade algorithm and application enhancement <b>2009</b> ,		6
103	TPMS for Intelligent Vehicle Safety Application. <i>HKIE Transactions</i> , <b>2009</b> , 16, 46-51	2.9	
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101	Score Information Decision Fusion Using Support Vector Machine for a Correlation Filter Based Speaker Authentication System. <i>Advances in Soft Computing</i> , <b>2009</b> , 235-242		2
100	Recyclable Waste Paper Sorting Using Template Matching. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 467-478	4.98	4
99	Adaptive-Neuro Fuzzy Inference System for Human Posture Classification Using a Simplified Shock Graph. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 585-595	0.9	2
98	Quasi-Gaussian DCT Filter for Speckle Reduction of Ultrasound Images. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 136-147	0.9	1
97	Improving Speaker Verification in Noisy Environments using Adaptive Filtering and Hybrid Classification Technique. <i>Information Technology Journal</i> , <b>2009</b> , 9, 107-115	0.7	7
96	Modeling and power quality analysis of STATCOM using phasor dynamics <b>2008</b> ,		2
95	Using support vector machines for determining voltage unstable areas in power systems <b>2008</b> ,		3
94	Comparison Of FFT And AR Techniques For Scalp EEG Analysis. <i>IFMBE Proceedings</i> , <b>2008</b> , 158-161	0.2	2
93	Machine Vision System for Automatic Weeding Strategy in Oil Palm Plantation using Image Filtering Technique <b>2008</b> ,		7
92	Dynamic voltage collapse prediction in a practical power system with support vector machine <b>2008</b> ,		3
91	Gradient Field Distribution and Grey Level Co-occurrence Matrix techniques for automatic weed classification <b>2008</b> ,		3
90	Statistical analysis approach for posture recognition <b>2008</b> ,		1
89	. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 1689-1700	7	28

88	Weed detection system using support vector machine <b>2008</b> ,		9
87	Multi-class Support Vector Machine for human posture classification using a simplified shock graph <b>2008</b> ,		1
86	Reduced set support vector machines: Application for 2-dimensional datasets <b>2008</b> ,		7
85	Training and analysis of Support Vector Machine using Sequential Minimal Optimization. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , <b>2008</b> ,	2	3
84	Normalized Least Mean Square adaptive noise cancellation filtering for speaker verification in noisy environments <b>2008</b> ,		3
83	Wavelet-based feature extraction technique for fruit shape classification <b>2008</b> ,		7
82	Real time road sign recognition system using artificial neural networks for bengali textual information box <b>2008</b> ,		5
81	Development of an embedded vehicle safety system for frontal crash detection. <i>International Journal of Crashworthiness</i> , <b>2008</b> , 13, 579-587	1	9
80	Comparing least squares support vector machine and probabilistic neural network in transient stability assessment of a large-scale power system <b>2008</b> ,		5
79	Isolated Malay Digit Recognition Using Pattern Recognition Fusion of Dynamic Time Warping and Hidden Markov Models. <i>American Journal of Applied Sciences</i> , <b>2008</b> , 5, 714-720	0.8	13
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77	Designing for Comfort and Reliability in an Intelligent Car Seat. <i>American Journal of Applied Sciences</i> , <b>2008</b> , 5, 1787-1792	0.8	2
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75	Scale Invariant Feature Transform Technique for Weed Classification in Oil Palm Plantation. <i>Journal of Applied Sciences</i> , <b>2008</b> , 8, 1179-1187	0.3	3
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71	Decision Fusion for Isolated Malay Digit Recognition Using Dynamic Time Warping (DTW) and Hidden Markov Model (HMM) <b>2007</b> ,		5

70	Human Motion Analysis using Virtual Reality <b>2007</b> ,		1
69	Weed Detection utilizing Quadratic Polynomial and ROI Techniques <b>2007</b> ,		3
68	<b>2007</b> ,		3
67	Shape Characteristics Analysis for Papaya Size Classification <b>2007</b> ,		11
66	Preprocessing Techniques for Voice-Print Analysis for Speaker Recognition <b>2007</b> ,		2
65	Vulnerability Assessment of a Large Sized Power System Using Radial Basis Function Neural Network <b>2007</b> ,		1
64	Dynamic Voltage Collapse Prediction on a Practical Power System Using Power Transfer Stability Index <b>2007</b> ,		5
63	Fourier Descriptor for Pedestrian Shape Recognition using Support Vector Machine <b>2007</b> ,		8
62	Implementation of Image Processing Technique in Real Time Vision System for Automatic Weeding Strategy <b>2007</b> ,		6
61	Feature Extraction Technique using Discrete Wavelet Transform for Image Classification <b>2007</b> ,		31
60	EEG Analysis of Wake-sleep Data using UMACE filter <b>2007</b> ,		1
59	<b>2007</b> ,		3
58	Speaker Verification using Vector Quantization and Hidden Markov Model <b>2007</b> ,		5
57	An Efficient Segmentation Technique for Known Touching Objects Using a Genetic Algorithm Approach <b>2007</b> , 786-790		
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46	Person Identification Using Lip Motion Sequence <b>2007</b> , 839-846		3
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42	Analysis of the Sound of the Kompang for Computer Music Synthesis <b>2006</b> ,		2
41	Scene Analysis for Human Silhoutte Extraction <b>2006</b> ,		3
40	Vulnerability Assessment of Power System Using Various Vulnerability Indices <b>2006</b> ,		1
39	A Speed limit Sign Recognition System Using Artificial Neural Network <b>2006</b> ,		8
38	Feature Selection for Classification Using Decision Tree <b>2006</b> ,		8
37	Classification for the Ripeness of Papayas Using Artificial Neural Network (ANN) and Threshold Rule <b>2006</b> ,		3
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15	Characterizing nonlinear load harmonics using fractal analysis	3
14	Harmonic source location at the point of common coupling based on voltage magnitude	11
13	Implementation of inverse perspective mapping algorithm for the development of an automatic lane tracking system	32
12	Methods for determining utility and customer harmonic contributions at the point of common coupling	3
11	Expert system for characterization of electroencephalography (EEG) signals to detect sleep onset	1
10	A novel feature selection and extraction method for neural network based transfer capability assessment of power systems	1
9	Driver fatigue detection using steering grip force	4
8	Locating Voltage Sag Source At The Point Of Common Coupling In Industrial Distribution Systems	1
7	Eye detection using hybrid rule based approach and contour mapping	1
6	MATLAB based image analysis software for characterization of microstructure materials	2
5	Endpoint detection of speech signal using neural network	3
4	Pitch detection of speech signals using the cross-correlation technique	3
3	Implementation of synchronous machine parameter derivation in Matlab	1
2	Speech enhancement by noise cancellation using neural network	1
1	Automatic detection of power quality disturbances and identification of transient signals	2