

M Adel Alimi

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.

636
papers

6,587
citations

35
h-index

56
g-index

777
ext. papers

7,975
ext. citations

2.4
avg, IF

6.56
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 636 | Speed/accuracy trade-offs in target-directed movements. <i>Behavioral and Brain Sciences</i> , 1997 , 20, 279-303; discussion 303-49 | 0.9 | 415 |
| 635 | Toward an Efficient C-RAN Optical Fronthaul for the Future Networks: A Tutorial on Technologies, Requirements, Challenges, and Solutions. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 708-769 | 37.1 | 180 |
| 634 | PSO-based analysis of Echo State Network parameters for time series forecasting. <i>Applied Soft Computing Journal</i> , 2017 , 55, 211-225 | 7.5 | 122 |
| 633 | Modelling velocity profiles of rapid movements: a comparative study. <i>Biological Cybernetics</i> , 1993 , 69, 119-28 | 2.8 | 117 |
| 632 | An Agri-Environmental Phosphorus Saturation Index for Acid Coarse-Textured Soils. <i>Journal of Environmental Quality</i> , 2000 , 29, 1561-1567 | 3.4 | 101 |
| 631 | The Affective Tutoring System. <i>Expert Systems With Applications</i> , 2010 , 37, 3013-3023 | 7.8 | 98 |
| 630 | Finite-time and fixed-time synchronization of a class of inertial neural networks with multi-proportional delays and its application to secure communication. <i>Neurocomputing</i> , 2019 , 332, 29-43 | 5.4 | 84 |
| 629 | Risk factors in street food practices in developing countries: A review. <i>Food Science and Human Wellness</i> , 2016 , 5, 141-148 | 8.3 | 79 |
| 628 | Multi-objective Feature Selection with NSGA II. <i>Lecture Notes in Computer Science</i> , 2007 , 240-247 | 0.9 | 74 |
| 627 | A New Arabic Printed Text Image Database and Evaluation Protocols 2009 , | | 73 |
| 626 | Existence and uniqueness of pseudo almost-periodic solutions of recurrent neural networks with time-varying coefficients and mixed delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 109-18 | 10.3 | 67 |
| 625 | On-line handwritten digit recognition based on trajectory and velocity modeling. <i>Pattern Recognition Letters</i> , 2008 , 29, 580-594 | 4.7 | 62 |
| 624 | A Review of Machine Learning Approaches to Power System Security and Stability. <i>IEEE Access</i> , 2020 , 8, 113512-113531 | 3.5 | 59 |
| 623 | COVID-19 in breast cancer patients: a cohort at the Institut Curie hospitals in the Paris area. <i>Breast Cancer Research</i> , 2020 , 22, 55 | 8.3 | 58 |
| 622 | A comparative study of the improvement of performance using a PSO modified by ACO applied to TSP. <i>Applied Soft Computing Journal</i> , 2014 , 25, 234-241 | 7.5 | 56 |
| 621 | On-line Arabic handwriting recognition system based on visual encoding and genetic algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 153-170 | 7.2 | 49 |
| 620 | FAST LEARNING ALGORITHM OF WAVELET NETWORK BASED ON FAST WAVELET TRANSFORM. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2011 , 25, 1297-1319 | 1.1 | 49 |

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| 619 | A study on font-family and font-size recognition applied to Arabic word images at ultra-low resolution. <i>Pattern Recognition Letters</i> , 2013 , 34, 209-218 | 4.7 | 48 |
| 618 | Beta wavelets. Synthesis and application to lossy image compression. <i>Advances in Engineering Software</i> , 2005 , 36, 459-474 | 3.6 | 48 |
| 617 | A user-centered approach for the design and implementation of KDD-based DSS: A case study in the healthcare domain. <i>Decision Support Systems</i> , 2010 , 50, 64-78 | 5.6 | 47 |
| 616 | Similarity measures for intuitionistic fuzzy sets: State of the art. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 24, 37-49 | 1.6 | 45 |
| 615 | Inverse Kinematics Using Particle Swarm Optimization, A Statistical Analysis. <i>Procedia Engineering</i> , 2013 , 64, 1602-1611 | | 43 |
| 614 | Deep Learning System for Automatic License Plate Detection and Recognition 2017 , | | 43 |
| 613 | New features using fractal multi-dimensions for generalized Arabic font recognition. <i>Pattern Recognition Letters</i> , 2010 , 31, 361-371 | 4.7 | 43 |
| 612 | Online Arabic handwriting recognition: a survey. <i>International Journal on Document Analysis and Recognition</i> , 2013 , 16, 209-226 | 3.8 | 42 |
| 611 | Assessing web sites quality: A systematic literature review by text and association rules mining. <i>International Journal of Information Management</i> , 2018 , 38, 201-216 | 16.4 | 40 |
| 610 | Adapt-Traf: An adaptive multiagent road traffic management system based on hybrid ant-hierarchical fuzzy model. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 42, 147-167 | 8.4 | 39 |
| 609 | A hybrid learning algorithm for evolving Flexible Beta Basis Function Neural Tree Model. <i>Neurocomputing</i> , 2013 , 117, 107-117 | 5.4 | 39 |
| 608 | ICDAR 2009 Online Arabic Handwriting Recognition Competition 2009 , | | 38 |
| 607 | Incorporating Seismic Attribute Maps in 3D Reservoir Models. <i>SPE Reservoir Evaluation and Engineering</i> , 1998 , 1, 122-126 | 2.3 | 38 |
| 606 | Dynamics and oscillations of generalized high-order Hopfield neural networks with mixed delays. <i>Neurocomputing</i> , 2018 , 321, 274-295 | 5.4 | 37 |
| 605 | Fuzzy control of robot manipulators:: some issues on design and rule base size reduction. <i>Engineering Applications of Artificial Intelligence</i> , 2002 , 15, 401-416 | 7.2 | 36 |
| 604 | Morphological Convolutional Neural Network Architecture for Digit Recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2876-2885 | 10.3 | 35 |
| 603 | Weighted pseudo almost-periodic solutions of shunting inhibitory cellular neural networks with mixed delays. <i>Acta Mathematica Scientia</i> , 2016 , 36, 1662-1682 | 0.7 | 35 |
| 602 | Multi-trait and multi-environment QTL analyses of yield and a set of physiological traits in pepper. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 2597-625 | 6 | 35 |

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| 601 | An evolutionary neuro-fuzzy approach to recognize on-line Arabic handwriting | | 35 |
| 600 | Deep learning CNN+STM framework for Arabic sentiment analysis using textual information shared in social networks. <i>Social Network Analysis and Mining</i> , 2020 , 10, 1 | 2.2 | 34 |
| 599 | Improving e-learning with sentiment analysis of users' opinions 2011 , | | 34 |
| 598 | Combining Multiple HMMs Using On-line and Off-line Features for Off-line Arabic Handwriting Recognition 2009 , | | 34 |
| 597 | Evolutionary Computation for the Recognition of On-Line Cursive Handwriting. <i>IETE Journal of Research</i> , 2002 , 48, 385-396 | 0.9 | 34 |
| 596 | Progress in research and applications of cassava flour and starch: a review. <i>Journal of Food Science and Technology</i> , 2019 , 56, 2799-2813 | 3.3 | 33 |
| 595 | A human-centred design approach for developing dynamic decision support system based on knowledge discovery in databases. <i>Journal of Decision Systems</i> , 2013 , 22, 69-96 | 1.2 | 33 |
| 594 | Arabic Handwriting Recognition Using Restored Stroke Chronology 2009 , | | 33 |
| 593 | A Beta basis function Interval Type-2 Fuzzy Neural Network for time series applications. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 71, 259-274 | 7.2 | 31 |
| 592 | FBWN: An architecture of fast beta wavelet networks for image classification 2010 , | | 31 |
| 591 | PYRAMIDAL HYBRID APPROACH: WAVELET NETWORK WITH OLS ALGORITHM-BASED IMAGE CLASSIFICATION. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2011 , 09, 111-130 | 0.9 | 30 |
| 590 | Approximation properties of fuzzy systems for smooth functions and their first-order derivative. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2003 , 33, 160-168 | | 30 |
| 589 | Structural and physicochemical properties of heat moisture treated and citric acid modified acha and iburu starches. <i>Food Hydrocolloids</i> , 2018 , 81, 449-455 | 10.6 | 28 |
| 588 | Hierarchical multi-dimensional differential evolution for the design of beta basis function neural network. <i>Neurocomputing</i> , 2012 , 97, 131-140 | 5.4 | 28 |
| 587 | On-line Arabic handwriting recognition competition. <i>International Journal on Document Analysis and Recognition</i> , 2011 , 14, 15-23 | 3.8 | 28 |
| 586 | The design of beta basis function neural network and beta fuzzy systems by a hierarchical genetic algorithm. <i>Fuzzy Sets and Systems</i> , 2005 , 154, 251-274 | 3.7 | 28 |
| 585 | New Algorithm of Straight or Curved Baseline Detection for Short Arabic Handwritten Writing 2009 , | | 27 |
| 584 | A neuro-fuzzy approach to recognize Arabic handwritten characters | | 27 |

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| 583 | DELP-DAR system for license plate detection and recognition. <i>Pattern Recognition Letters</i> , 2020 , 129, 213-223 | 4.7 | 27 |
| 582 | Consumer awareness and willingness to pay for safety of street foods in developing countries: a review. <i>International Journal of Consumer Studies</i> , 2016 , 40, 242-248 | 5.7 | 27 |
| 581 | Video stabilization with moving object detecting and tracking for aerial video surveillance. <i>Multimedia Tools and Applications</i> , 2015 , 74, 6745-6767 | 2.5 | 26 |
| 580 | Asymptotic almost automorphic solutions of impulsive neural network with almost automorphic coefficients. <i>Neurocomputing</i> , 2014 , 142, 326-334 | 5.4 | 26 |
| 579 | Approximation properties of piece-wise parabolic functions fuzzy logic systems. <i>Fuzzy Sets and Systems</i> , 2006 , 157, 501-515 | 3.7 | 26 |
| 578 | Predicting exchange rate with commodity prices: New evidence from Westerlund and Narayan (2015) estimator with structural breaks and asymmetries. <i>Resources Policy</i> , 2019 , 62, 33-56 | 7.2 | 25 |
| 577 | Pulmonary hemosiderosis in children with Down syndrome: a national experience. <i>Orphanet Journal of Rare Diseases</i> , 2018 , 13, 60 | 4.2 | 25 |
| 576 | Hierarchical genetic algorithm with new evaluation function and bi-coded representation for the selection of features considering their confidence rate. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2501-2509 | 7.5 | 25 |
| 575 | Handwriting trajectory movements controlled by a Beta-elliptic model | | 24 |
| 574 | Stability analysis for delayed high-order type of Hopfield neural networks with impulses. <i>Neurocomputing</i> , 2015 , 165, 312-329 | 5.4 | 23 |
| 573 | Beta Wavelet Networks for Face Recognition. <i>Journal of Decision Systems</i> , 2005 , 14, 109-122 | 1.2 | 23 |
| 572 | Genetic and QTL analyses of yield and a set of physiological traits in pepper. <i>Euphytica</i> , 2013 , 190, 181-201 | | 22 |
| 571 | Emotion recognition by analysis of EEG signals 2013 , | | 22 |
| 570 | Analysis of multiuser mixed RF/FSO relay networks for performance improvements in Cloud Computing-Based Radio Access Networks (CC-RANs). <i>Optics Communications</i> , 2017 , 402, 653-661 | 2 | 22 |
| 569 | Bimodal biometric system for hand shape and palmprint recognition based on SIFT sparse representation. <i>Multimedia Tools and Applications</i> , 2017 , 76, 20457-20482 | 2.5 | 22 |
| 568 | A fuzzy ontology 2011 , | | 22 |
| 567 | Analytical Plug-In Method for Kernel Density Estimator Applied to Genetic Neutrality Study. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008 , 2008, | 1.9 | 22 |
| 566 | A NEW STRUCTURE AND TRAINING PROCEDURE FOR MULTI-MOTHER WAVELET NETWORKS. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2010 , 08, 149-175 | 0.9 | 21 |

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| 565 | | | 21 |
| 564 | Channel characterization and empirical model for ergodic capacity of free-space optical communication link. <i>Optics Communications</i> , 2017 , 390, 123-129 | 2 | 20 |
| 563 | Nutrient composition and starch characteristics of eight European potato cultivars cultivated in South Africa. <i>Journal of Food Composition and Analysis</i> , 2017 , 55, 1-11 | 4.1 | 20 |
| 562 | 2013 , | | 20 |
| 561 | Online Arabic Handwriting Recognition Competition 2011 , | | 20 |
| 560 | A Multi Agent System for Hospital Organization. <i>International Journal of Machine Learning and Computing</i> , 2015 , 5, 51-56 | 1.8 | 20 |
| 559 | Ant supervised by PSO and 2-Opt algorithm, AS-PSO-2Opt, applied to Traveling Salesman Problem 2016 , | | 20 |
| 558 | Stability analysis of delayed Hopfield Neural Networks with impulses via inequality techniques. <i>Neurocomputing</i> , 2015 , 158, 281-294 | 5.4 | 19 |
| 557 | 2014 , | | 19 |
| 556 | The Modified Differential Evolution and the RBF (MDE-RBF) Neural Network for Time Series Prediction 2006 , | | 19 |
| 555 | IK-FA, a New Heuristic Inverse Kinematics Solver Using Firefly Algorithm. <i>Studies in Computational Intelligence</i> , 2015 , 369-395 | 0.8 | 19 |
| 554 | Impulsive generalized high-order recurrent neural networks with mixed delays: Stability and periodicity. <i>Neurocomputing</i> , 2018 , 321, 296-307 | 5.4 | 19 |
| 553 | Online Arabic Databases and Applications 2012 , 541-557 | | 19 |
| 552 | Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 583-586 | 2.2 | 18 |
| 551 | Survey on clustering methods: Towards fuzzy clustering for big data 2014 , | | 18 |
| 550 | The multi-objective hybridization of particle swarm optimization and fuzzy ant colony optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 515-525 | 1.6 | 18 |
| 549 | MLP Neural Network for face recognition based on Gabor Features and Dimensionality Reduction techniques 2014 , | | 18 |
| 548 | Biped robot control using particle swarm optimization 2010 , | | 18 |

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| 547 | Online Arabic writer identification based on Beta-elliptic model 2015 , | | 17 |
| 546 | Resolution enhancement of textual images via multiple coupled dictionaries and adaptive sparse representation selection. <i>International Journal on Document Analysis and Recognition</i> , 2015 , 18, 87-107 | 3.8 | 17 |
| 545 | Online Arabic Handwriting Modeling System Based on the Graphemes Segmentation 2010 , | | 17 |
| 544 | Survey of information visualization techniques for exploitation in KDD 2009 , | | 17 |
| 543 | IM(S)2: Interactive movie summarization system. <i>Journal of Visual Communication and Image Representation</i> , 2010 , 21, 283-294 | 2.7 | 17 |
| 542 | A Genetic Designed Beta Basis Function Neural Network for Approximating Multi-Variables Functions 2001 , 383-386 | | 17 |
| 541 | A Genetic-Designed Beta Basis Function Neural Network for Multi-Variable Functions Approximation. <i>Systems Analysis Modelling Simulation</i> , 2002 , 42, 975-1009 | | 17 |
| 540 | Optical wireless communication for future broadband access networks 2016 , | | 16 |
| 539 | Multi-scale hot working tool damage (X40CrMoV5-1) analysis in relation to the forging process. <i>Engineering Failure Analysis</i> , 2016 , 62, 142-155 | 3.2 | 16 |
| 538 | Video Stabilization for Aerial Video Surveillance. <i>AASRI Procedia</i> , 2013 , 4, 72-77 | | 16 |
| 537 | 2010 , | | 16 |
| 536 | ON THE BETA-ELLIPTIC MODEL FOR THE CONTROL OF THE HUMAN ARM MOVEMENT. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007 , 21, 5-19 | 1.1 | 16 |
| 535 | . <i>IEEE International Conference on Fuzzy Systems</i> , 2007 , | | 16 |
| 534 | Generation and analysis of handwriting script with the beta-elliptic model | | 16 |
| 533 | Script and nature differentiation for Arabic and Latin text images | | 16 |
| 532 | Structural, rheological and in-vitro digestibility properties of composite corn-banana starch custard paste. <i>LWT - Food Science and Technology</i> , 2017 , 79, 84-91 | 5.4 | 15 |
| 531 | Effect of Hydrocolloids and Egg Content on Sensory Quality of Coated Fried Yam Chips. <i>Journal of Culinary Science and Technology</i> , 2014 , 12, 168-180 | 0.8 | 15 |
| 530 | Outage Probability of Multiuser Mixed RF/FSO Relay Schemes for Heterogeneous Cloud Radio Access Networks (H-CRANs). <i>Wireless Personal Communications</i> , 2017 , 95, 27-41 | 1.9 | 15 |

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| 529 | A Preliminary Investigation on Horses Recognition Using Facial Texture Features 2015, | | 15 |
| 528 | A hierarchical genetic algorithm for the design of beta basis function neural network | | 15 |
| 527 | The analysis of error in an on-line recognition system of Arabic handwritten characters | | 15 |
| 526 | CNN-SVM Learning Approach Based Human Activity Recognition. <i>Lecture Notes in Computer Science,</i> 2020, 271-281 | 0.9 | 15 |
| 525 | A brain and gaze-controlled wheelchair. <i>Computer Methods in Biomechanics and Biomedical Engineering,</i> 2013, 16 Suppl 1, 128-9 | 2.1 | 14 |
| 524 | Dynamic Modeling and Control of a Multi-Fingered Robot Hand for Grasping Task. <i>Procedia Engineering,</i> 2012, 41, 923-931 | | 14 |
| 523 | Natural language morphology integration in off-line Arabic optical text recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics,</i> 2011, 41, 579-90 | | 14 |
| 522 | 2010, | | 14 |
| 521 | Multi-fractal Modeling for On-line Text-Independent Writer Identification 2011, | | 14 |
| 520 | Arabic and Latin Script Identification in Printed and Handwritten Types Based on Steerable Pyramid Features 2009, | | 14 |
| 519 | New Strategy for the On-Line Handwriting Modelling. <i>Proc Int Conf Doc Anal Recognit,</i> 2007, | | 14 |
| 518 | Real-time dual-polarization transmission based on hybrid optical wireless communications. <i>Optical Fiber Technology,</i> 2018, 40, 114-117 | 2.4 | 13 |
| 517 | Real Time Security Assessment of the Power System Using a Hybrid Support Vector Machine and Multilayer Perceptron Neural Network Algorithms. <i>Sustainability,</i> 2019, 11, 3586 | 3.6 | 13 |
| 516 | Multiple Learned Dictionaries Based Clustered Sparse Coding for the Super-Resolution of Single Text Image 2013, | | 13 |
| 515 | ICDAR2013 Competition on Multi-font and Multi-size Digitally Represented Arabic Text 2013, | | 13 |
| 514 | Hybrid harmony search algorithm for global optimization 2013, | | 13 |
| 513 | Bimodal biometric system based on SIFT descriptors of hand images 2014, | | 13 |
| 512 | Designing Beta Basis Function Neural Network for optimization using Artificial Bee Colony (ABC) 2012, | | 13 |

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| 511 | Combining of Off-line and On-line Feature Extraction Approaches for Writer Identification 2011 , | | 13 |
| 510 | Language and Script Identification Based on Steerable Pyramid Features 2012 , | | 13 |
| 509 | Ant supervised by PSO 2009 , | | 13 |
| 508 | Contribution to the Discrimination of the Medieval Manuscript Texts: Application in the Palaeography. <i>Lecture Notes in Computer Science</i> , 2006 , 25-37 | 0.9 | 13 |
| 507 | Towards an Offloading Framework based on Big Data Analytics in Mobile Cloud Computing Environments. <i>Procedia Computer Science</i> , 2015 , 53, 292-297 | 1.6 | 12 |
| 506 | Arabic characters recognition in natural scenes using sparse coding for feature representations 2015 , | | 12 |
| 505 | Deep neural network for online writer identification using Beta-elliptic model 2016 , | | 12 |
| 504 | Super-resolution of single text image by sparse representation 2012 , | | 12 |
| 503 | Intelligent path planning algorithm for autonomous robot based on recurrent neural networks 2013 , | | 12 |
| 502 | A New System for Event Detection from Video Surveillance Sequences. <i>Lecture Notes in Computer Science</i> , 2010 , 110-120 | 0.9 | 12 |
| 501 | ICDAR 2011 - Arabic Recognition Competition: Multi-font Multi-size Digitally Represented Text 2011 , | | 12 |
| 500 | The geometric interval type-2 fuzzy logic approach in robotic mobile issue 2009 , | | 12 |
| 499 | Complex documents images segmentation based on steerable pyramid features. <i>International Journal on Document Analysis and Recognition</i> , 2010 , 13, 209-228 | 3.8 | 12 |
| 498 | Affixal approach for Arabic decomposable vocabulary recognition a validation on printed word in only one font 2005 , | | 12 |
| 497 | Accuracy Preserving Interpretability with Hybrid Hierarchical Genetic Fuzzy Modeling: Case of Motion Planning Robot Controller 2006 , | | 12 |
| 496 | A bipolar implementation of the Beta neuron. <i>International Journal of Electronics</i> , 2000 , 87, 675-682 | 1.2 | 12 |
| 495 | Dynamic Decision Support System Based on Bayesian Networks. <i>International Journal of Advanced Research in Artificial Intelligence</i> , 2012 , 1, | | 12 |
| 494 | Interval Type-2 Fuzzy Logic Control of Mobile Robots. <i>Journal of Intelligent Learning Systems and Applications</i> , 2012 , 04, 291-302 | 0.7 | 12 |

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| 493 | Forecasting stock price using grey-fuzzy technique and portfolio optimization by invasive weed optimization algorithm. <i>Decision Science Letters</i> , 2013 , 175-184 | 1.3 | 12 |
| 492 | Bi-level multi-objective evolution of a Multi-Layered Echo-State Network Autoencoder for data representations. <i>Neurocomputing</i> , 2019 , 341, 195-211 | 5.4 | 11 |
| 491 | MapReduce Based Text Detection in Big Data Natural Scene Videos. <i>Procedia Computer Science</i> , 2015 , 53, 216-223 | 1.6 | 11 |
| 490 | A generic framework for semantic video indexing based on visual concepts/contexts detection. <i>Multimedia Tools and Applications</i> , 2015 , 74, 1397-1421 | 2.5 | 11 |
| 489 | Unsupervised Learning in Reservoir Computing for EEG-based Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2020 , 1-1 | 5.7 | 11 |
| 488 | Single- and multi-objective particle swarm optimization of reservoir structure in Echo State Network 2016 , | | 11 |
| 487 | Effects of diversity schemes and correlated channels on OWC systems performance. <i>Journal of Modern Optics</i> , 2017 , 64, 2298-2305 | 1.1 | 11 |
| 486 | Distributed MOPSO with a new population subdivision technique for the feature selection 2011 , | | 11 |
| 485 | Opposition-based particle swarm optimization for the design of beta basis function neural network 2010 , | | 11 |
| 484 | Impact of Character Models Choice on Arabic Text Recognition Performance 2010 , | | 11 |
| 483 | A New Encoding System: Application to On-line Arabic Handwriting 2010 , | | 11 |
| 482 | A Neuro-beta-Elliptic Model for Handwriting Generation Movements 2012 , | | 11 |
| 481 | Event Detection from Video Surveillance Data Based on Optical Flow Histogram and High-level Feature Extraction 2009 , | | 11 |
| 480 | Scene pathfinder: unsupervised clustering techniques for movie scenes extraction. <i>Multimedia Tools and Applications</i> , 2010 , 47, 325-346 | 2.5 | 11 |
| 479 | When mental fatigue maybe characterized by Event Related Potential (P300) during virtual wheelchair navigation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016 , 19, 1749-1759 | 2.1 | 11 |
| 478 | Evolving flexible beta basis function neural tree using extended genetic programming & Hybrid Artificial Bee Colony. <i>Applied Soft Computing Journal</i> , 2016 , 47, 653-668 | 7.5 | 11 |
| 477 | Effect of Hydrothermal Modifications on Functional, Pasting and Structural Properties of False Banana (<i>Ensete ventricosum</i>) Starch. <i>Food Biophysics</i> , 2016 , 11, 248-256 | 3.2 | 10 |
| 476 | Resolution enhancement of textual images: a survey of single image-based methods. <i>IET Image Processing</i> , 2016 , 10, 325-337 | 1.7 | 10 |

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| 475 | Hybridization of Fuzzy PSO and Fuzzy ACO applied to TSP 2013 , | | 10 |
| 474 | An in Vitro evaluation of the antioxidant and antidiabetic potential of Sutherlandia montana E. Phillips & R.A. Dyer leaf extracts. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2017 , 7, 765-772 | 1.4 | 10 |
| 473 | Deep learning framework based on Word2Vec and CNN for users interests classification 2017 , | | 10 |
| 472 | Novel hand biometric system using invariant descriptors 2014 , | | 10 |
| 471 | Multi-objective portfolio optimization of mutual funds under downside risk measure using fuzzy theory. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 859-872 | 1.7 | 10 |
| 470 | Unsupervised Block Covering Analysis for Text-Line Segmentation of Arabic Ancient Handwritten Document Images 2010 , | | 10 |
| 469 | Opposition-based differential evolution for beta basis function neural network 2010 , | | 10 |
| 468 | A comparison of some intuitionistic fuzzy similarity measures applied to handwritten arabic sentences recognition 2009 , | | 10 |
| 467 | Duration Models for Arabic Text Recognition Using Hidden Markov Models 2008 , | | 10 |
| 466 | Socio-economic characteristics and willingness of consumers to pay for the safety of fura de nunu in Ilorin, Nigeria. <i>Quality Assurance and Safety of Crops and Foods</i> , 2016 , 8, 81-86 | 1.5 | 10 |
| 465 | Building Diverse Classifier Outputs to Evaluate the Behavior of Combination Methods: The Case of Two Classifiers. <i>Lecture Notes in Computer Science</i> , 2004 , 273-282 | 0.9 | 10 |
| 464 | Hybrid DBLSTM-SVM Based Beta-Elliptic-CNN Models for Online Arabic Characters Recognition 2019 , | | 10 |
| 463 | Spatiotemporal representation of 3D hand trajectory based on beta-elliptic models. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 1632-47 | 2.1 | 9 |
| 462 | Performance Analysis of Space-Air-Ground Integrated Network (SAGIN) Over an Arbitrarily Correlated Multivariate FSO Channel. <i>Wireless Personal Communications</i> , 2018 , 100, 47-66 | 1.9 | 9 |
| 461 | ReLiDSS: Novel lie detection system from speech signal 2016 , | | 9 |
| 460 | Text Detection Based on MSER and CNN Features 2017 , | | 9 |
| 459 | Personal recognition system using hand modality based on local features 2015 , | | 9 |
| 458 | Adaptation capability of cognitive map improves behaviors of social robots 2012 , | | 9 |

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| 457 | Gaussian Mixture Models for Arabic Font Recognition 2010 , | | 9 |
| 456 | A Comprehensive Method for Arabic Video Text Detection, Localization, Extraction and Recognition. <i>Lecture Notes in Computer Science</i> , 2010 , 648-659 | 0.9 | 9 |
| 455 | Fuzzy Segmentation and Graphemes Modeling for Online Arabic Handwriting Recognition 2010 , | | 9 |
| 454 | Incremental Learning Approach for Events Detection from Large Video Dataset 2010 , | | 9 |
| 453 | Design and prototype of an image capturing and processing system for ERPSat-1 Pico Satellite 2009 , | | 9 |
| 452 | 2007 , | | 9 |
| 451 | A methodology for the separation of foreground/background in Arabic historical manuscripts using hybrid methods 2007 , | | 9 |
| 450 | Detection and extraction of the text in a video sequence 2005 , | | 9 |
| 449 | A multi-agent approach for genetic algorithm implementation | | 9 |
| 448 | An Exhaustive Study of Possibility Measures of Interval-Valued Intuitionistic Fuzzy Sets and Application to Multicriteria Decision Making. <i>Advances in Fuzzy Systems</i> , 2016 , 2016, 1-10 | 1.7 | 9 |
| 447 | Online feature selection system for big data classification based on multi-objective automated negotiation. <i>Pattern Recognition</i> , 2021 , 110, 107629 | 7.7 | 9 |
| 446 | A synopsis of anti-psychotic medicinal plants in Nigeria. <i>Transactions of the Royal Society of South Africa</i> , 2018 , 73, 33-41 | 1 | 9 |
| 445 | Mobile Cloud Computing in Healthcare System. <i>Lecture Notes in Computer Science</i> , 2015 , 408-417 | 0.9 | 8 |
| 444 | Fingerprint verification system based on curvelet transform and possibility theory. <i>Multimedia Tools and Applications</i> , 2015 , 74, 3253-3272 | 2.5 | 8 |
| 443 | Investigation of the fatigue behavior of adhesive bonding of the lithium disilicate glass ceramic with three resin cements using rotating fatigue method. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 61, 62-69 | 4.1 | 8 |
| 442 | A New Ant Supervised-PSO Variant Applied to Traveling Salesman Problem. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 87-101 | 0.4 | 8 |
| 441 | Learning Text Component Features via Convolutional Neural Networks for Scene Text Detection 2018 , | | 8 |
| 440 | A hybrid MLPNN/HMM recognition system for online Arabic Handwritten script 2013 , | | 8 |

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| 204 | Navigation assistance to disabled persons with powered wheelchairs using tracking system and cloud computing technologies 2016 , | | 3 |
| 203 | Novel Intuitionistic Based Interval Type-2 Fuzzy Similarity Measures with Application to Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1 | 8.3 | 3 |
| 202 | A new digital steganography system based on hiding online signature within document image data in YUV color space. <i>Multimedia Tools and Applications</i> , 2021 , 80, 18653-18676 | 2.5 | 3 |
| 201 | Information Extraction from Arabic and Latin scanned invoices 2018 , | | 3 |
| 200 | Enhancement of Deep Architecture using Dropout/ DropConnect Techniques Applied for AHR System 2018 , | | 3 |
| 199 | Flexible Infrastructure for the Development and Integration of Access/Fronthauling Solutions in Future Wireless Systems 2018 , | | 3 |
| 198 | Membrane stabilization and probable mechanisms of hypoglycemic activity of fruit extract of <i>Solanum incanum</i> L. (Solanaceae). <i>Comparative Clinical Pathology</i> , 2018 , 27, 1611-1619 | 0.9 | 3 |
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| 194 | Towards an automatic drowsiness detection system by evaluating the alpha band of EEG signals 2017 , | | 2 |
| 193 | A framework of text detection and recognition from natural images for mobile device 2017 , | | 2 |
| 192 | A hybrid method of natural scene text detection using MSERs masks in HSV space color 2017 , | | 2 |
| 191 | Acute toxicity, oxidative stress response and clinicopathological changes in Wistar rats exposed to aqueous extract of <i>Uvaria chamae</i> leaves. <i>Scientific African</i> , 2019 , 3, e00068 | 1.7 | 2 |
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| 183 | Fuzzy-PID hybrid controller for mobile robot using point cloud and low cost depth sensor 2013 , | | 2 |
| 182 | 2013 , | | 2 |
| 181 | A new System for TV program contents improvement using a semantic matching technique 2013 , | | 2 |
| 180 | A hierarchical fuzzy controller for a biped robot 2013 , | | 2 |
| 179 | A beta-fuzzy-near-sets approach to research for visually similar content images 2017 , | | 2 |
| 178 | Adaptive fuzzy exponent cluster ensemble system based feature selection and spectral clustering 2017 , | | 2 |
| 177 | Distributed Recurrent Neural Network Learning via Metropolis-Weights Consensus. <i>Lecture Notes in Computer Science</i> , 2017 , 108-119 | 0.9 | 2 |
| 176 | Content-Based Arabic Speech Similarity Search and Emotion Detection. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 530-539 | 0.4 | 2 |
| 175 | A fuzzy ontology driven context classification system using large-scale image recognition based on deep CNN 2017 , | | 2 |
| 174 | Human identity recognition using sparse auto encoder for texture information representation in palmprint images based on voting technique 2017 , | | 2 |
| 173 | Deep neural network with RBF and sparse auto-encoders for numeral recognition 2015 , | | 2 |
| 172 | 2015 , | | 2 |
| 171 | Improved recurrent neural network architecture for SVM learning 2015 , | | 2 |
| 170 | Tunisian Arabic aeb Wordnet: Current State and Future Extensions 2015 , | | 2 |

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| 169 | Hybrid planning approaches for multirobot systems: A review and a proposal of a MultiAgent subsumption simulation 2014 , | | 2 |
| 168 | The effect of learning by imitation on a multi-robot system based on the coupling of low-level imitation strategy and online learning for cognitive map building. <i>Advanced Robotics</i> , 2014 , 1-13 | 1.7 | 2 |
| 167 | PSO-based update memory for Improved Harmony Search algorithm to the evolution of FBBFNT' parameters 2014 , | | 2 |
| 166 | Novel Iris Segmentation Method 2012 , | | 2 |
| 165 | Toward an assisted context based collaborative annotation 2012 , | | 2 |
| 164 | H-FQL: A new reinforcement learning method for automatic hierarchization of fuzzy systems: An application to the route choice problem 2012 , | | 2 |
| 163 | Both sides linked antenna array for ultra small satellite communication subsystem 2012 , | | 2 |
| 162 | Off-Line Features Integration for On-Line Handwriting Graphemes Modeling Improvement 2012 , | | 2 |
| 161 | The command of a wheelchair using thoughts and gaze 2012 , | | 2 |
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| 159 | Interactive video data visualization system based on semantic organization 2013 , | | 2 |
| 158 | Development of an Arabic Handwriting Learning Educational System. <i>International Journal of Software Engineering & Applications</i> , 2013 , 4, 33-49 | 0.3 | 2 |
| 157 | A new approach to emotion recognition 2011 , | | 2 |
| 156 | Comparison of global and cascading recognition systems applied to multi-font arabic text 2010 , | | 2 |
| 155 | 2011 , | | 2 |
| 154 | Study and simulation of an intelligent electrical power subsystem for ERPSat-1 cube satellite 2011 , | | 2 |
| 153 | 2011 , | | 2 |
| 152 | Steerable Pyramid Based Complex Documents Images Segmentation 2009 , | | 2 |

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| 151 | Improving a HMM-based off-line handwriting recognition system using MME-PSO optimization 2011, | | 2 |
| 150 | Real-time affective learner profile analysis using an EMASPEL framework 2011, | | 2 |
| 149 | Multi-agent system for moving object segmentation and tracking 2011, | | 2 |
| 148 | FMIG: Fuzzy Multilevel Interior Growing Self-Organizing Maps 2012, | | 2 |
| 147 | Neutralizing antibodies to poliovirus types 1 and 3 in cord blood of Nigerian children. <i>Journal of Tropical Pediatrics</i> , 1997 , 43, 187 | 1.2 | 2 |
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| 144 | Evolutionary approach for the beta function based fuzzy systems | | 2 |
| 143 | Knowledge modelling and multi-agent simulation: application to flood risks | | 2 |
| 142 | Design of beta neural systems using differential evolution | | 2 |
| 141 | A Beta neuron in CMOS subthreshold mode | | 2 |
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| 124 | Incremental structural model for extracting relevant tokens of entity 2016 , | | 2 |
| 123 | Automatic environmental sound concepts discovery for video retrieval. <i>International Journal of Multimedia Information Retrieval</i> , 2016 , 5, 105-115 | 2.4 | 2 |
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| 111 | Toward a Framework for Improving the Execution of the Big Data Applications. <i>Procedia Computer Science</i> , 2015 , 53, 232-238 | 1.6 | 1 |
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| 103 | Solving the inclination sign ambiguity in three dimensional Polarized Light Imaging with a PDE-based method 2017 , | | 1 |
| 102 | Cluster Forests Based Fuzzy C-Means for Data Clustering. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 564-573 | 0.4 | 1 |
| 101 | Hierarchical interval type-2 beta fuzzy knowledge representation system for path preference planning 2017 , | | 1 |
| 100 | Travel user interest discovery from visual shared data in social networks 2017 , | | 1 |
| 99 | Improved secure navigation of wheelchairs using multi-robot system and cloud computing technologies 2015 , | | 1 |
| 98 | A new Motion Estimation technique for Video Coding 2015 , | | 1 |

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| 97 | Spider's behavior for ant based clustering algorithm 2015, | | 1 |
| 96 | Interlinking video programs with Linked Open Data 2015, | | 1 |
| 95 | Exponential synchronization of high-order recurrent neural networks with mixed delays 2015, | | 1 |
| 94 | ARG: A semi-automatic system for ROI detection on Renal Scintigraphic images 2014, | | 1 |
| 93 | Fuzzy Logic Based Electrical Power System for Pico Satellite ERPSat-1. <i>Advanced Materials Research,</i> 2014, 875-877, 1822-1826 | 0.5 | 1 |
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| 88 | Generalized Eigen Cooccurrence: Application to Palaeography 2013, | | 1 |
| 87 | An intelligent system for video events detection 2013, | | 1 |
| 86 | A system of abnormal behaviour detection in aerial surveillance 2013, | | 1 |
| 85 | AVOCR: Arabic video OCR 2010, | | 1 |
| 84 | 2010, | | 1 |
| 83 | 3D object modeling using multi-mother wavelet network 2010, | | 1 |
| 82 | Textile plant modeling using Recurrent Neural Networks 2011, | | 1 |
| 81 | 2011, | | 1 |
| 80 | Environmental sound extraction and incremental learning approach for real time concepts identification 2011, | | 1 |

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| 78 | Effect of low level imitation strategy on an autonomous Multi-Robot System using on-line learning for cognitive map building 2012 , | | 1 |
| 77 | Optimising handover for real-time flows in Mobile wimax network 2009 , | | 1 |
| 76 | Human-centred design approach applied to Medical Dynamic DSS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 465-470 | | 1 |
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| 73 | A new lecture support based on on-line arabic handwriting recognition 2008 , | | 1 |
| 72 | | | 1 |
| 71 | Simulating classifier ensembles of fixed diversity for studying plurality voting performance 2004 , | | 1 |
| 70 | Integration of manufacturing production and planning based in SOAP system | | 1 |
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| 68 | A New Decision-Making Intelligent System for the Recognition of Bilingual Handwritten Postal Addresses. <i>Journal of Decision Systems</i> , 2005 , 14, 123-155 | 1.2 | 1 |
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| 64 | Automatic synthesis of neural networks using learning automata | | 1 |
| 63 | A beta salp swarm algorithm meta-heuristic for inverse kinematics and optimization. <i>Applied Intelligence</i> ,1 | 4.9 | 1 |
| 62 | A novel biometric system for signature verification based on score level fusion approach. <i>Multimedia Tools and Applications</i> , 2022 , 81, 7817 | 2.5 | 1 |

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| 52 | Linguistic Representation by Fuzzy Formal Concept and Interval Type-2 Feature Selection. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 1071-1081 | 0.4 | 1 |
| 51 | Recurrent Flexible Neural Tree Model for Time Series Prediction. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 58-67 | 0.4 | 1 |
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| 33 | Do individual characteristics influence the beta-elliptic modeling errors during ellipse drawing movements?. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021 , 1-11 | 2.1 | 1 |
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