

Mohammad Reza Mosavi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3539600/publications.pdf>

Version: 2024-02-01

188
papers

3,543
citations

172386

29
h-index

182361

51
g-index

189
all docs

189
docs citations

189
times ranked

2314
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Optimisation of doppler search space to improve acquisition speed of GPS signals. <i>Survey Review</i> , 2023, 55, 216-232. | 0.7 | 1 |
| 2 | Low Computational-Complexity vector tracking for Low-Cost GNSS receivers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 195, 111171. | 2.5 | 4 |
| 3 | A low-cost integrated navigation system based on factor graph nonlinear optimization for autonomous flight. <i>GPS Solutions</i> , 2022, 26, 1. | 2.2 | 5 |
| 4 | Intelligent vectorised architecture for performance enhancement of GNSS receivers in signal blocking situations. <i>Survey Review</i> , 2021, 53, 513-527. | 0.7 | 1 |
| 5 | An efficient method for classifying motor imagery using CPSO-trained ANFIS prediction. <i>Evolving Systems</i> , 2021, 12, 319-336. | 2.4 | 18 |
| 6 | A Hardware Implementation for a New Post-correlation Anti-jamming Method. <i>Wireless Personal Communications</i> , 2021, 117, 2555-2574. | 1.8 | 0 |
| 7 | Comparison of two methods of removing EOG artifacts for use in a motor imagery-based brain computer interface. <i>Evolving Systems</i> , 2021, 12, 527-540. | 2.4 | 0 |
| 8 | Design of Evolutionary Adaptive Notch Filter for GPS Anti-Jamming System. <i>Journal of Circuits, Systems and Computers</i> , 2021, 30, 2150179. | 1.0 | 2 |
| 9 | Fully Adaptive Smart Vector tracking of Weak GPS Signals. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 1383-1393. | 1.7 | 8 |
| 10 | An Ultra-Lightweight Mutual Authentication Scheme for Smart Grid Two-Way Communications. <i>IEEE Access</i> , 2021, 9, 74562-74573. | 2.6 | 14 |
| 11 | A Hybrid Data Fusion Approach to AI-Assisted Indirect Centralized Integrated SINS/GNSS Navigation System During GNSS Outage. <i>IEEE Access</i> , 2021, 9, 100827-100838. | 2.6 | 2 |
| 12 | An Efficient Design of Anderson PUF by Utilization of the Xilinx Primitives in the SLICEM. <i>IEEE Access</i> , 2021, 9, 23025-23034. | 2.6 | 15 |
| 13 | Fusing denoised stereo visual odometry, INS and GPS measurements for autonomous navigation in a tightly coupled approach. <i>GPS Solutions</i> , 2021, 25, 1. | 2.2 | 16 |
| 14 | A Modified Imperialist Competitive Algorithm for Spoofing Attack Detection in Single-Frequency GPS Receivers. <i>Wireless Personal Communications</i> , 2021, 119, 919-940. | 1.8 | 2 |
| 15 | Deep PUF: A Highly Reliable DRAM PUF-Based Authentication for IoT Networks Using Deep Convolutional Neural Networks. <i>Sensors</i> , 2021, 21, 2009. | 2.1 | 19 |
| 16 | A multi-layer perceptron neural network to mitigate the interference of time synchronization attacks in stationary GPS receivers. <i>GPS Solutions</i> , 2021, 25, 1. | 2.2 | 10 |
| 17 | Positioning accuracy improvement in high-speed GPS receivers using sequential extended Kalman filter. <i>IET Signal Processing</i> , 2021, 15, 251-264. | 0.9 | 5 |
| 18 | Two-Stage Beamforming for Rejecting Interferences Using Deep Neural Networks. <i>IEEE Systems Journal</i> , 2021, 15, 4439-4447. | 2.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A loosely-coupled EMD-denoised stereo VO/INS/GPS integration system in GNSS-denied environments. Measurement: Journal of the International Measurement Confederation, 2021, 183, 109895. | 2.5 | 16 |
| 20 | A Lightweight and Real-Time Hardware Architecture for Interference Detection and Mitigation of Time Synchronization Attacks Based on MLP Neural Networks. IEEE Access, 2021, 9, 142938-142949. | 2.6 | 2 |
| 21 | A New Variance-Covariance Matrix for Improving Positioning Accuracy in High-Speed GPS Receivers. Sensors, 2021, 21, 7324. | 2.1 | 1 |
| 22 | A Weighted Chimp Optimization Algorithm. IEEE Access, 2021, 9, 158508-158539. | 2.6 | 48 |
| 23 | RetinaMHSA: Improving in single-stage detector with self-attention. , 2021, , . | | 0 |
| 24 | Accurate Classification of EEG Signals Using Neural Networks Trained by Hybrid Population-physic-based Algorithm. International Journal of Automation and Computing, 2020, 17, 108-122. | 4.5 | 28 |
| 25 | A new recursive satellite selection method for multi-constellation GNSS. Survey Review, 2020, 52, 330-340. | 0.7 | 5 |
| 26 | Analog 8-point DFT processor with low-power consumption and high-speed for interference mitigation in GPS receivers. Analog Integrated Circuits and Signal Processing, 2020, 102, 181-203. | 0.9 | 1 |
| 27 | Acquisition of weak GPS signals using wavelet-based de-noising methods. Survey Review, 2020, 52, 497-513. | 0.7 | 4 |
| 28 | Determination of an appropriate mother wavelet for de-noising of weak GPS correlation signals based on similarity measurements. Engineering Science and Technology, an International Journal, 2020, 23, 281-288. | 2.0 | 9 |
| 29 | Classification of underwater acoustical dataset using neural network trained by Chimp Optimization Algorithm. Applied Acoustics, 2020, 157, 107005. | 1.7 | 101 |
| 30 | Blind and task-ware multi-cell battery management system. Engineering Science and Technology, an International Journal, 2020, 23, 544-554. | 2.0 | 8 |
| 31 | Low Computational Complexity in Low-Cost GNSS Receivers. Wireless Personal Communications, 2020, 112, 37-59. | 1.8 | 1 |
| 32 | Improving GPS positioning accuracy using weighted Kalman Filter and variance estimation methods. CEAS Aeronautical Journal, 2020, 11, 515-527. | 0.9 | 8 |
| 33 | An Ultra-Lightweight and Provably Secure Broadcast Authentication Protocol for Smart Grid Communications. IEEE Access, 2020, 8, 125477-125487. | 2.6 | 21 |
| 34 | A Secure Lightweight Signcryption Scheme for Smart Grid Communications Using Reliable Physically Unclonable Function. , 2020, , . | | 9 |
| 35 | Deepâ€learningâ€based beamforming for rejecting interferences. IET Signal Processing, 2020, 14, 467-473. | 0.9 | 18 |
| 36 | A Lightweight Authentication Scheme for V2G Communications: A PUF-Based Approach Ensuring Cyber/Physical Security and Identity/Location Privacy. Electronics (Switzerland), 2020, 9, 1479. | 1.8 | 37 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | A low-cost integrated MEMS-based INS/GPS vehicle navigation system with challenging conditions based on an optimized IT2FNN in occluded environments. <i>GPS Solutions</i> , 2020, 24, 1. | 2.2 | 14 |
| 38 | GPS Continues Wave Jamming Cancellor using an ANF Combined with an Artificial Neural Network. , 2020, , . | | 4 |
| 39 | Improving GPS Receivers Positioning in Weak Signal Environments Based on Fuzzy SSMF-FFT and Fuzzy Kalman Filter. <i>Wireless Personal Communications</i> , 2020, 114, 1557-1581. | 1.8 | 3 |
| 40 | A hybrid Type-2 Fuzzy Logic System and Extreme Learning Machine for low-cost INS/GPS in high-speed vehicular navigation system. <i>Applied Soft Computing Journal</i> , 2020, 94, 106447. | 4.1 | 9 |
| 41 | A Lightweight Mutual Authentication for Smart Grid Neighborhood Area Network Communications Based on Physically Unclonable Function. <i>IEEE Systems Journal</i> , 2020, 14, 4535-4544. | 2.9 | 45 |
| 42 | An Efficient Method for Selecting the Optimal Features using Evolutionary Algorithms for Epilepsy Diagnosis. <i>Journal of Circuits, Systems and Computers</i> , 2020, 29, 2050195. | 1.0 | 8 |
| 43 | Increasing the Resistance of GPS Receivers by Using a Fuzzy Smart Estimator in Weak Signal Conditions. <i>Journal of Navigation</i> , 2020, 73, 991-1013. | 1.0 | 2 |
| 44 | Effective Detection of GNSS Spoofing Attack Using A Multi-Layer Perceptron Neural Network Classifier Trained by PSO. , 2020, , . | | 10 |
| 45 | Prediction of MEMS-based INS Error Using Interval Type-2 Fuzzy Logic System in INS/GPS Integration. , 2020, , . | | 3 |
| 46 | A new post-correlation anti-jamming technique for GPS receivers. <i>GPS Solutions</i> , 2020, 24, 1. | 2.2 | 10 |
| 47 | Detailed implementation of asynchronous circuits on commercial FPGAs. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 103, 375-389. | 0.9 | 4 |
| 48 | An enhanced fuzzy controller based on improved genetic algorithm for speed control of DC motors. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 105, 141-155. | 0.9 | 22 |
| 49 | Chimp optimization algorithm. <i>Expert Systems With Applications</i> , 2020, 149, 113338. | 4.4 | 612 |
| 50 | Improved Semi-Bit Differential Acquisition Method for Navigation Bit Sign Transition and Code Doppler Compensation in Weak Signal Environment. <i>Journal of Navigation</i> , 2020, 73, 892-911. | 1.0 | 7 |
| 51 | Wavelet-adaptive neural subtractive clustering fuzzy inference system to enhance low-cost and high-speed INS/GPS navigation system. <i>GPS Solutions</i> , 2020, 24, 1. | 2.2 | 22 |
| 52 | Navigation Message Authentication Based on One-Way Hash Chain to Mitigate Spoofing Attacks for GPS L1. <i>Wireless Personal Communications</i> , 2020, 113, 1743-1754. | 1.8 | 10 |
| 53 | An improved two-step time-parallel semi-bit method for GPS weak signal acquisition. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 121, 153240. | 1.7 | 5 |
| 54 | Reduction of the Acquisition Time in GPS Receiver by Multi-Stage Frequency Bins. , 2020, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Novel secure positioning method in ultra-wide band framework based on overshadowing attack probabilistic model. IET Communications, 2020, 14, 3778-3783. | 1.5 | 0 |
| 56 | Enhancing Classification Performance between Different GNSS Interferences using Neural Networks Trained by TAC-PSO Algorithm. , 2020, , . | | 1 |
| 57 | DNN-based interference mitigation beamformer. IET Radar, Sonar and Navigation, 2020, 14, 1788-1794. | 0.9 | 3 |
| 58 | Performance analysis of GLONASS integration with GPS vectorised receiver in urban canyon positioning. Survey Review, 2019, 51, 460-471. | 0.7 | 10 |
| 59 | Robust acquisition at GPS receivers in unsafe locations using complex wavelet transform. Survey Review, 2019, 51, 514-524. | 0.7 | 1 |
| 60 | Spoofing Mitigation Using Double Stationary Wavelet Transform in Civil GPS Receivers. Wireless Personal Communications, 2019, 109, 1827-1844. | 1.8 | 4 |
| 61 | A New Method to Extend Differential Integration for Weak GPS Signal Acquisition. , 2019, , . | | 4 |
| 62 | A Hardware Implementation for Acquisition Stage Based on the Parallel Frequency Search Method. , 2019, , . | | 0 |
| 63 | Improved whale trainer for sonar datasets classification using neural network. Applied Acoustics, 2019, 154, 176-192. | 1.7 | 43 |
| 64 | A Fuzzy Weighted Kalman Filter for GPS Positioning Precision Enhancement. , 2019, , . | | 1 |
| 65 | An Enhanced FPGA-based Implementation of Fuzzy Controller using a Personalized Microcontroller. , 2019, , . | | 0 |
| 66 | Design and implementation of a neighborhood search biogeography-based optimization trainer for classifying sonar dataset using multi-layer perceptron neural network. Analog Integrated Circuits and Signal Processing, 2019, 100, 405-428. | 0.9 | 44 |
| 67 | Estimation of project completion time using wiener random process and Bayesian structure based on expert's point of view. Journal of the Operational Research Society, 2019, 70, 395-402. | 2.1 | 1 |
| 68 | Real-time interference detection and mitigation in robust tracking loop of GPS receiver. Analog Integrated Circuits and Signal Processing, 2018, 95, 93-113. | 0.9 | 3 |
| 69 | Chaotic fractal walk trainer for sonar data set classification using multi-layer perceptron neural network and its hardware implementation. Applied Acoustics, 2018, 137, 121-139. | 1.7 | 33 |
| 70 | A novel hybrid method based on fuzzy cognitive maps and fuzzy clustering algorithms for grading celiac disease. Neural Computing and Applications, 2018, 30, 1573-1588. | 3.2 | 36 |
| 71 | Accurate Interference Mitigation in Global Positioning System Receivers Based on Double-Step Short-Time Fourier Transform. Circuits, Systems, and Signal Processing, 2018, 37, 2450-2470. | 1.2 | 5 |
| 72 | Low Noise Amplifier Synthesis Using Multidimensional MLP Neural Network. IETE Journal of Research, 2018, 64, 374-386. | 1.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Regularization-Based Semi-Blind Image Deconvolution Using an Improved Function for PMMW Images Application. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850107. | 1.0 | 2 |
| 74 | A wavelet-extreme learning machine for low-cost INS/GPS navigation system in high-speed applications. <i>GPS Solutions</i> , 2018, 22, 1. | 2.2 | 43 |
| 75 | Detection of Spoofing Attack using Machine Learning based on Multi-Layer Neural Network in Single-Frequency GPS Receivers. <i>Journal of Navigation</i> , 2018, 71, 169-188. | 1.0 | 63 |
| 76 | An Optimal Algorithm for Fusion of Passive Millimeter Wave and Visible Images Based on Non-subsampled Shearlet Transform and Improved Spiking Cortical Model. <i>Wireless Personal Communications</i> , 2018, 103, 2599-2620. | 1.8 | 2 |
| 77 | Flying small target detection in IR images based on adaptive toggle operator. <i>IET Computer Vision</i> , 2018, 12, 527-534. | 1.3 | 46 |
| 78 | Hybrid anti-jamming approach for kinematic global positioning system receivers. <i>IET Signal Processing</i> , 2018, 12, 888-895. | 0.9 | 8 |
| 79 | Novel Anti-spoofing Methods Based on Discrete Wavelet Transform in the Acquisition and Tracking Stages of Civil GPS Receiver. <i>International Journal of Wireless Information Networks</i> , 2018, 25, 449-460. | 1.8 | 8 |
| 80 | A novel medical decision support system based on fuzzy cognitive maps enhanced by intuitive and learning capabilities for modeling uncertainty. <i>Applied Mathematics and Computation</i> , 2018, 337, 562-582. | 1.4 | 25 |
| 81 | A fast and accurate anti-jamming system based on wavelet packet transform for GPS receivers. <i>GPS Solutions</i> , 2017, 21, 415-426. | 2.2 | 32 |
| 82 | Stability Comparison of Fault Location Techniques Against Faulty GPS Time Tagging for Three-Terminal Lines. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2739-2749. | 1.7 | 6 |
| 83 | A review of fuzzy cognitive maps in medicine: Taxonomy, methods, and applications. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 142, 129-145. | 2.6 | 110 |
| 84 | Training a Feed-Forward Neural Network Using Particle Swarm Optimizer with Autonomous Groups for Sonar Target Classification. <i>Journal of Circuits, Systems and Computers</i> , 2017, 26, 1750185. | 1.0 | 29 |
| 85 | Jamming Mitigation using an Improved Fuzzy Weighted Least Square Method in Combined GPS and GLONASS Receiver. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 76, 107-116. | 1.7 | 6 |
| 86 | Improved migration models of biogeography-based optimization for sonar dataset classification by using neural network. <i>Applied Acoustics</i> , 2017, 118, 15-29. | 1.7 | 45 |
| 87 | IR small target detection based on human visual attention using pulsed discrete cosine transform. <i>IET Image Processing</i> , 2017, 11, 397-405. | 1.4 | 10 |
| 88 | Neural Network Trained by Biogeography-Based Optimizer with Chaos for Sonar Data Set Classification. <i>Wireless Personal Communications</i> , 2017, 95, 4623-4642. | 1.8 | 28 |
| 89 | Optimal Target-Oriented Fusion of Passive Millimeter Wave Images with Visible Images Based on Contourlet Transform. <i>Wireless Personal Communications</i> , 2017, 95, 4643-4666. | 1.8 | 10 |
| 90 | A Novel Genetic-Based Resource Allocation and Cooperative Node Selection Technique for Physical Layer Security Designs. <i>Wireless Personal Communications</i> , 2017, 95, 4733-4746. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Vectorized and federated software receivers combining GLONASS and GPS. GPS Solutions, 2017, 21, 1331-1339. | 2.2 | 11 |
| 92 | De-noising and spoofing extraction from position solution using wavelet transform on stationary single-frequency GPS receiver in immediate detection condition. Journal of Applied Research and Technology, 2017, 15, 402-411. | 0.6 | 9 |
| 93 | Robust adaptive joint tracking of GNSS signal code phases in urban canyons. IET Radar, Sonar and Navigation, 2017, 11, 987-993. | 0.9 | 9 |
| 94 | A Novel Ratio-Phase Metric of Signal Quality Monitoring for Real-Time Detection of GPS Interference. Wireless Personal Communications, 2017, 97, 2799-2818. | 1.8 | 2 |
| 95 | Image fusion based on multi-scale transform and sparse representation: an image energy approach. IET Image Processing, 2017, 11, 1041-1049. | 1.4 | 23 |
| 96 | Reliable Urban Canyon Navigation Solution in GPS and GLONASS Integrated Receiver Using Improved Fuzzy Weighted Least-Square Method. Wireless Personal Communications, 2017, 94, 3181-3196. | 1.8 | 17 |
| 97 | Improving the efficiency of an EEG-based brain computer interface using Filter Bank Common Spatial Pattern. , 2017, , . | | 2 |
| 98 | Accurate prediction of differential GPS corrections using fuzzy cognitive map. , 2017, , . | | 2 |
| 99 | Seizure prediction using EEG segmentation change points. , 2017, , . | | 1 |
| 100 | MP Mitigation in Urban Canyons using GPS-combined-GLONASS Weighted Vectorized Receiver. IET Signal Processing, 2017, 11, 446-451. | 0.9 | 2 |
| 101 | Optimal estimating the project completion time and diagnosing the fault in the project. DYNA (Colombia), 2016, 83, 121-127. | 0.2 | 5 |
| 102 | A genetic approach in relay-jammer selection and power allocation for physical layer security. , 2016, , . | | 3 |
| 103 | Infrared dim small target detection with high reliability using saliency map fusion. IET Image Processing, 2016, 10, 524-533. | 1.4 | 20 |
| 104 | A New Estimation at Completion of Project's Time and Cost Approach Based on Particle Filter. Arabian Journal for Science and Engineering, 2016, 41, 3761-3770. | 1.1 | 0 |
| 105 | Positioning improvement by combining GPS and GLONASS based on Kalman filter and its application in GPS spoofing situations. Gyroscopy and Navigation, 2016, 7, 318-325. | 0.7 | 10 |
| 106 | Interevent times estimation of major and continuous earthquakes in Hormozgan region based on radial basis function neural network. Geodesy and Geodynamics, 2016, 7, 64-75. | 1.0 | 3 |
| 107 | A New Method for Continuous Wave Interference Mitigation in Single-Frequency GPS Receivers. Wireless Personal Communications, 2016, 90, 1563-1578. | 1.8 | 10 |
| 108 | Advanced Anti-Spoofing Methods in Tracking Loop. Journal of Navigation, 2016, 69, 883-904. | 1.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Narrowband interference suppression for GPS navigation using neural networks. GPS Solutions, 2016, 20, 341-351. | 2.2 | 41 |
| 110 | Visual-based quadrotor control by means of fuzzy cognitive maps. ISA Transactions, 2016, 60, 128-142. | 3.1 | 34 |
| 111 | Traveling-Wave Fault Location Techniques in Power System Based on Wavelet Analysis and Neural Network Using GPS Timing. Wireless Personal Communications, 2016, 86, 835-850. | 1.8 | 17 |
| 112 | Optimum Features Selection for oil Spill Detection in SAR Image. Journal of the Indian Society of Remote Sensing, 2016, 44, 775-787. | 1.2 | 16 |
| 113 | New GPS anti-jamming system based on multiple short-time Fourier transform. IET Radar, Sonar and Navigation, 2016, 10, 807-815. | 0.9 | 41 |
| 114 | CLASSIFICATION OF SONAR DATA SET USING NEURAL NETWORK TRAINED BY GRAY WOLF OPTIMIZATION. Neural Network World, 2016, 26, 393-415. | 0.5 | 57 |
| 115 | A novel LBP method for invariant texture classification. , 2015, , . | | 2 |
| 116 | A novel CMC based method for MR! brain image segmentation. , 2015, , . | | 2 |
| 117 | Estimation of project completion time using proper fuzzy combination of regression methods. , 2015, , . | | 1 |
| 118 | A Fast GLONASS FDMA Acquisition Algorithm Using Multi-Satellite Search Strategy. Wireless Personal Communications, 2015, 84, 2665-2678. | 1.8 | 5 |
| 119 | On relay selection to maximize coverage region for cooperative cellular networks with multiple fixed and unfixed relays. , 2015, , . | | 9 |
| 120 | Optimization of the low-cost INS/GPS navigation system using ANFIS for high speed vehicle application. , 2015, , . | | 10 |
| 121 | Unsupervised fuzzy cognitive map in diagnosis of breast epithelial lesions. , 2015, , . | | 7 |
| 122 | Improved regularization based blind image deconvolution using PSO algorithm for PMMW images application. , 2015, , . | | 2 |
| 123 | Positioning performance analysis using RWLS algorithm based on variance estimation methods. Aerospace Science and Technology, 2015, 42, 88-96. | 2.5 | 7 |
| 124 | Analysis of Single Frequency GPS Receiver Under Delay and Combining Spoofing Algorithm. Wireless Personal Communications, 2015, 83, 1955-1970. | 1.8 | 24 |
| 125 | A novel color image encryption algorithm based on spatial permutation and quantum chaotic map. Nonlinear Dynamics, 2015, 81, 511-529. | 2.7 | 130 |
| 126 | Jamming mitigation in global positioning system receivers using wavelet packet coefficients thresholding. IET Signal Processing, 2015, 9, 457-464. | 0.9 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | An indirect adaptive neural control of a visual-based quadrotor robot for pursuing a moving target. ISA Transactions, 2015, 59, 290-302. | 3.1 | 43 |
| 128 | A novel image encryption based on row-column, masking and main diffusion processes with hyper chaos. Multimedia Tools and Applications, 2015, 74, 781-811. | 2.6 | 99 |
| 129 | Accurate Solution of Navigation Equations in GPS Receivers for Very High Velocities Using Pseudorange Measurements. Advances in Aerospace Engineering, 2014, 2014, 1-8. | 0.3 | 16 |
| 130 | Estimation of Project Completion Time-Based on a Mixture of Expert in an Interactive Space. Modern Applied Science, 2014, 8, . | 0.4 | 3 |
| 131 | Atlas-based automatic breast MRI segmentation using pectoral muscle and chest region model. , 2014, , . | | 11 |
| 132 | Automatic segmentation of breast and fibroglandular tissue in breast MRI using local adaptive thresholding. , 2014, , . | | 8 |
| 133 | Investigation and Simulation of a Two-Channel Drop Filter with Tunable Double Optical Resonators. Journal of Superconductivity and Novel Magnetism, 2014, 27, 827-834. | 0.8 | 4 |
| 134 | A new method to mitigate multipath error in single-frequency GPS receiver with wavelet transform. GPS Solutions, 2014, 18, 189-198. | 2.2 | 51 |
| 135 | A simple, sensitive and secure image encryption algorithm based on hyper-chaotic system with only one round diffusion process. Multimedia Tools and Applications, 2014, 71, 1469-1497. | 2.6 | 176 |
| 136 | A novel image encryption based on hash function with only two-round diffusion process. Multimedia Systems, 2014, 20, 45-64. | 3.0 | 144 |
| 137 | Neural Technologies for Precise Timing in Electric Power Systems with a Single-Frequency GPS Receiver. Wireless Personal Communications, 2014, 75, 925-941. | 1.8 | 5 |
| 138 | Rapid and Precise GLONASS GDOP Approximation using Neural Networks. Wireless Personal Communications, 2014, 77, 2675-2685. | 1.8 | 4 |
| 139 | An ultra-small heterostructure wavelength division multiplexer (WDM) with the ability to select two wavelengths from the s-band. Optical and Quantum Electronics, 2014, 46, 897-909. | 1.5 | 1 |
| 140 | An effective approach for simulating the two-color infrared seekers. Infrared Physics and Technology, 2014, 67, 73-83. | 1.3 | 3 |
| 141 | Classification of Intraductal Breast Lesions Based on the Fuzzy Cognitive Map. Arabian Journal for Science and Engineering, 2014, 39, 3723-3732. | 1.1 | 19 |
| 142 | Wavelet and Neural Network-Based Fault Location in Power Systems Using Statistical Analysis of Traveling Wave. Arabian Journal for Science and Engineering, 2014, 39, 6207-6214. | 1.1 | 12 |
| 143 | MULTI-OBJECTIVE OPTIMIZATION BY MEANS OF MULTI-DIMENSIONAL MLP NEURAL NETWORKS. Neural Network World, 2014, 24, 31-56. | 0.5 | 13 |
| 144 | Design and Simulation a New Unique-Slit Reticle for Pulsed Infrared Seekers. Journal of the Optical Society of Korea, 2014, 18, 1-8. | 0.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Multipath error mitigation based on wavelet transform in L1 GPS receivers for kinematic applications. AEU - International Journal of Electronics and Communications, 2013, 67, 875-884. | 1.7 | 21 |
| 146 | Position Estimation in Single-Frequency GPS Receivers Using Kalman Filter with Pseudo-Range and Carrier Phase Measurements. Wireless Personal Communications, 2013, 72, 2563-2576. | 1.8 | 17 |
| 147 | De-noising of GPS Receivers Positioning Data Using Wavelet Transform and Bilateral Filtering. Wireless Personal Communications, 2013, 71, 2295-2312. | 1.8 | 18 |
| 148 | Classification of GPS Satellites Using Improved Back Propagation Training Algorithms. Wireless Personal Communications, 2013, 71, 789-803. | 1.8 | 32 |
| 149 | Design and simulation of a fuzzy controller for a busy intersection. , 2013, , . | | 3 |
| 150 | Recovery and grade prediction of pilot plant flotation column concentrate by a hybrid neural genetic algorithm. International Journal of Mining Science and Technology, 2013, 23, 69-77. | 4.6 | 14 |
| 151 | A New 0.25-12.5GHz High Quality Factor Low-Power Active Inductor Using Local RC Feedback to Cancel Series-Loss Resistance. Arabian Journal for Science and Engineering, 2013, 38, 3125-3132. | 1.1 | 8 |
| 152 | Concentrate Grade Prediction in an Industrial Flotation Column Using Artificial Neural Network. Arabian Journal for Science and Engineering, 2013, 38, 1011-1023. | 1.1 | 16 |
| 153 | A traveling-wave fault location technique for three-terminal lines based on wavelet analysis and Recurrent Neural Network using GPS timing. , 2013, , . | | 19 |
| 154 | Efficient Evolutionary Algorithms for GPS Satellites Classification. Arabian Journal for Science and Engineering, 2012, 37, 2003-2015. | 1.1 | 12 |
| 155 | Prediction of XRF analyzers error for elements on-line assaying using Kalman Filter. International Journal of Mining Science and Technology, 2012, 22, 595-601. | 4.6 | 9 |
| 156 | Recovery and grade accurate prediction of pilot plant flotation column concentrate: Neural network and statistical techniques. International Journal of Mineral Processing, 2012, 110-111, 140-154. | 2.6 | 61 |
| 157 | A novel fuzzy cognitive map based method for the differentiation of intraductal breast lesions. , 2012, , . | | 6 |
| 158 | GMM-Guided gradient descent learning of RBF Neural Network with its application on robust GPS satellites selection. , 2011, , . | | 0 |
| 159 | Classifying the Geometric Dilution of Precision of GPS satellites utilizing Bayesian decision theory. Computers and Electrical Engineering, 2011, 37, 1009-1018. | 3.0 | 10 |
| 160 | Wavelet Neural Network for Corrections Prediction in Single-Frequency GPS Users. Neural Processing Letters, 2011, 33, 137-150. | 2.0 | 15 |
| 161 | Applying Genetic Algorithm to Fast and Precise Selection of GPS Satellites. Asian Journal of Applied Sciences, 2011, 4, 229-237. | 0.4 | 16 |
| 162 | Performance Improvement of GPS GDOP Approximation Using Recurrent Wavelet Neural Network. Journal of Geographic Information System, 2011, 03, 318-322. | 0.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | KNOWLEDGE-BASED METHODS FOR OPTIMUM APPROXIMATION OF GEOMETRIC DILUTION OF PRECISION. International Journal of Computational Intelligence and Applications, 2010, 09, 153-170. | 0.6 | 3 |
| 164 | Prediction of copper grade at flotation column concentrate using Artificial Neural Network. , 2010, , . | | 8 |
| 165 | An intelligent Differential GPS using Π-Σ Neural Network. , 2010, , . | | 0 |
| 166 | Calculation of Geometric Dilution of Precision Using Adaptive Filtering Technique Based on Evolutionary Algorithms. , 2010, , . | | 9 |
| 167 | Use of Accurate GPS Timing Based on Radial Basis Probabilistic Neural Network in Electric Systems. , 2010, , . | | 3 |
| 168 | Evolution of mapping functions for image encryption using Evolvable Hardware. , 2010, , . | | 0 |
| 169 | Robustness of stego-images against histogram attack based on genetic algorithm. , 2010, , . | | 0 |
| 170 | Single-frequency GPS receivers ionospheric time-delay approximation using radial basis function neural network. , 2009, , . | | 2 |
| 171 | An efficient method for optimum selection of GPS satellites set using Recurrent Neural Network. , 2009, , . | | 6 |
| 172 | Recurrent Polynomial Neural Networks for Enhancing Performance of GPS in Electric Systems. Wireless Sensor Network, 2009, 01, 95-103. | 0.3 | 3 |
| 173 | Recurrent polynomial neural networks for enhancing performance of GPS based line fault location. , 2008, , . | | 1 |
| 174 | GPS RECEIVERS TIMING DATA PROCESSING USING NEURAL NETWORKS: OPTIMAL ESTIMATION AND ERRORS MODELING. International Journal of Neural Systems, 2007, 17, 383-393. | 3.2 | 26 |
| 175 | An adaptive correction technique for DGPS using recurrent wavelet neural network. , 2007, , . | | 4 |
| 176 | PRECISE REAL-TIME POSITIONING WITH A LOW COST GPS ENGINE USING NEURAL NETWORKS. Survey Review, 2007, 39, 316-327. | 0.7 | 8 |
| 177 | Numerical characterizations of unstable optical resonators and evaluation of the geometry effects. Optics and Laser Technology, 2007, 39, 669-680. | 2.2 | 5 |
| 178 | Frequency Domain Modeling of GPS Positioning Errors. , 2006, , . | | 3 |
| 179 | Extrapolative Model of DGPS Corrections using a Multilayered Neural Network Based on the Extended Kalman Filter. , 2006, , . | | 1 |
| 180 | Design and Implementation of a New Infrared Counter-Countermeasure Algorithm using Kalman Filter. , 2006, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Comparing DGPS corrections prediction using neural network, fuzzy neural network, and Kalman filter. GPS Solutions, 2006, 10, 97-107. | 2.2 | 46 |
| 182 | Modeling of GPS SPS Timing Error using Multilayered Neural Network. , 2006, , . | | 4 |
| 183 | Improve the position accuracy on low cost GPS receiver with adaptive neural networks. , 0, , . | | 0 |
| 184 | Improve determining the location of a moving body on map by low cost GPS receiver. , 0, , . | | 4 |
| 185 | Improvement on a low cost positioning sensor accuracy. , 0, , . | | 2 |
| 186 | Increasing of DGPS accuracy using recurrent neural networks. , 0, , . | | 1 |
| 187 | A comparative study between performance of recurrent neural network and kalman filter for DGPS corrections prediction. , 0, , . | | 3 |
| 188 | Impact Assessment of Efficient Denoising Techniques in AI-Based Low-Cost INS/GPS Integration During Blockage of GPS Satellites. Arabian Journal for Science and Engineering, 0, , . | 1.7 | 0 |