Mohammad Reza Mosavi

List of Publications by Year
in descending order

188 papers	3,543 citations	172457 29 h-index	182427 51 g-index
189 all docs	189 docs citations	189 times ranked	2314 citing authors

#	Article	IF	Citations
1	Chimp optimization algorithm. Expert Systems With Applications, 2020, 149, 113338.	7.6	612
2	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.	3.9	176
3	A novel image encryption based on hash function with only two-round diffusion process. Multimedia Systems, 2014, 20, 45-64.	4.7	144
4	A novel color image encryption algorithm based on spatial permutation and quantum chaotic map. Nonlinear Dynamics, 2015, 81, 511-529.	5.2	130
5	A review of fuzzy cognitive maps in medicine: Taxonomy, methods, and applications. Computer Methods and Programs in Biomedicine, 2017, 142, 129-145.	4.7	110
6	Classification of underwater acoustical dataset using neural network trained by Chimp Optimization Algorithm. Applied Acoustics, 2020, 157, 107005.	3.3	101
7	A novel image encryption based on row-column, masking and main diffusion processes with hyper chaos. Multimedia Tools and Applications, 2015, 74, 781-811.	3.9	99
8	Detection of Spoofing Attack using Machine Learning based on Multi-Layer Neural Network in Single-Frequency GPS Receivers. Journal of Navigation, 2018, 71, 169-188.	1.7	63
9	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
10	CLASSIFICATION OF SONAR DATA SET USING NEURAL NETWORK TRAINED BY GRAY WOLF OPTIMIZATION. Neural Network World, 2016, 26, 393-415.	0.8	57
11	A new method to mitigate multipath error in single-frequency GPS receiver with wavelet transform. GPS Solutions, 2014, 18, 189-198.	4.3	51
12	A Weighted Chimp Optimization Algorithm. IEEE Access, 2021, 9, 158508-158539.	4.2	48
13	Comparing DGPS corrections prediction using neural network, fuzzy neural network, and Kalman filter. GPS Solutions, 2006, 10, 97-107.	4.3	46
14	Flying small target detection in IR images based on adaptive toggle operator. IET Computer Vision, 2018, 12, 527-534.	2.0	46
15	Improved migration models of biogeography-based optimization for sonar dataset classification by using neural network. Applied Acoustics, 2017, 118, 15-29.	3.3	45
16	A Lightweight Mutual Authentication for Smart Grid Neighborhood Area Network Communications Based on Physically Unclonable Function. IEEE Systems Journal, 2020, 14, 4535-4544.	4.6	45
17	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.	1.4	44
18	An indirect adaptive neural control of a visual-based quadrotor robot for pursuing a moving target. ISA Transactions, 2015, 59, 290-302.	5.7	43

#	Article	IF	Citations
19	A wavelet-extreme learning machine for low-cost INS/GPS navigation system in high-speed applications. GPS Solutions, 2018, 22, 1.	4.3	43
20	Improved whale trainer for sonar datasets classification using neural network. Applied Acoustics, 2019, 154, 176-192.	3.3	43
21	Narrowband interference suppression for GPS navigation using neural networks. GPS Solutions, 2016, 20, 341-351.	4.3	41
22	New GPS anti-jamming system based on multiple short-time Fourier transform. IET Radar, Sonar and Navigation, 2016, 10, 807-815.	1.8	41
23	A Lightweight Authentication Scheme for V2G Communications: A PUF-Based Approach Ensuring Cyber/Physical Security and Identity/Location Privacy. Electronics (Switzerland), 2020, 9, 1479.	3.1	37
24	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.	5.6	36
25	Jamming mitigation in global positioning system receivers using wavelet packet coefficients thresholding. IET Signal Processing, 2015, 9, 457-464.	1.5	35
26	Visual-based quadrotor control by means of fuzzy cognitive maps. ISA Transactions, 2016, 60, 128-142.	5.7	34
27	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.	3.3	33
28	Classification of GPS Satellites Using Improved Back Propagation Training Algorithms. Wireless Personal Communications, 2013, 71, 789-803.	2.7	32
29	A fast and accurate anti-jamming system based on wavelet packet transform for GPS receivers. GPS Solutions, 2017, 21, 415-426.	4.3	32
30	Training a Feed-Forward Neural Network Using Particle Swarm Optimizer with Autonomous Groups for Sonar Target Classification. Journal of Circuits, Systems and Computers, 2017, 26, 1750185.	1.5	29
31	Neural Network Trained by Biogeography-Based Optimizer with Chaos for Sonar Data Set Classification. Wireless Personal Communications, 2017, 95, 4623-4642.	2.7	28
32	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
33	GPS RECEIVERS TIMING DATA PROCESSING USING NEURAL NETWORKS: OPTIMAL ESTIMATION AND ERRORS MODELING. International Journal of Neural Systems, 2007, 17, 383-393.	5.2	26
34	A novel medical decision support system based on fuzzy cognitive maps enhanced by intuitive and learning capabilities for modeling uncertainty. Applied Mathematics and Computation, 2018, 337, 562-582.	2.2	25
35	Analysis of Single Frequency GPS Receiver Under Delay and Combining Spoofing Algorithm. Wireless Personal Communications, 2015, 83, 1955-1970.	2.7	24
36	Image fusion based on multi-scale transform and sparse representation: an image energy approach. IET Image Processing, 2017, 11, 1041-1049.	2.5	23

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37	An enhanced fuzzy controller based on improved genetic algorithm for speed control of DC motors. Analog Integrated Circuits and Signal Processing, 2020, 105, 141-155.	1.4	22
38	Wavelet-adaptive neural subtractive clustering fuzzy inference system to enhance low-cost and high-speed INS/GPS navigation system. GPS Solutions, 2020, 24, 1.	4.3	22
39	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.	2.9	21
40	An Ultra-Lightweight and Provably Secure Broadcast Authentication Protocol for Smart Grid Communications. IEEE Access, 2020, 8, 125477-125487.	4.2	21
41	Infrared dim small target detection with high reliability using saliency map fusion. IET Image Processing, 2016, 10, 524-533.	2.5	20
42	Advanced Anti-Spoofing Methods in Tracking Loop. Journal of Navigation, 2016, 69, 883-904.	1.7	20
43	A traveling-wave fault location technique for three-terminal lines based on wavelet analysis and Recurrent Neural Network using GPS timing. , 2013, , .		19
44	Classification of Intraductal Breast Lesions Based on the Fuzzy Cognitive Map. Arabian Journal for Science and Engineering, 2014, 39, 3723-3732.	1.1	19
45	Deep PUF: A Highly Reliable DRAM PUF-Based Authentication for IoT Networks Using Deep Convolutional Neural Networks. Sensors, 2021, 21, 2009.	3.8	19
46	De-noising of GPS Receivers Positioning Data Using Wavelet Transform and Bilateral Filtering. Wireless Personal Communications, 2013, 71, 2295-2312.	2.7	18
47	Deepâ€learningâ€based beamforming for rejecting interferences. IET Signal Processing, 2020, 14, 467-473.	1.5	18
48	An efficient method for classifying motor imagery using CPSO-trained ANFIS prediction. Evolving Systems, 2021, 12, 319-336.	3.9	18
49	Position Estimation in Single-Frequency GPS Receivers Using Kalman Filter with Pseudo-Range and Carrier Phase Measurements. Wireless Personal Communications, 2013, 72, 2563-2576.	2.7	17
50	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.	2.7	17
51	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.	2.7	17
52	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
53	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
54	Optimum Features Selection for oil Spill Detection in SAR Image. Journal of the Indian Society of Remote Sensing, 2016, 44, 775-787.	2.4	16

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55	Fusing denoised stereo visual odometry, INS and GPS measurements for autonomous navigation in a tightly coupled approach. GPS Solutions, 2021, 25, 1.	4.3	16
56	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.	5.0	16
57	Applying Genetic Algorithm to Fast and Precise Selection of GPS Satellites. Asian Journal of Applied Sciences, 2011, 4, 229-237.	0.4	16
58	Wavelet Neural Network for Corrections Prediction in Single-Frequency GPS Users. Neural Processing Letters, 2011, 33, 137-150.	3.2	15
59	An Efficient Design of Anderson PUF by Utilization of the Xilinx Primitives in the SLICEM. IEEE Access, 2021, 9, 23025-23034.	4.2	15
60	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.	10.3	14
61	A low-cost integrated MEMS-based INS/GPS vehicle navigation system with challenging conditions based on an optimized IT2FNN in occluded environments. GPS Solutions, 2020, 24, 1.	4.3	14
62	An Ultra-Lightweight Mutual Authentication Scheme for Smart Grid Two-Way Communications. IEEE Access, 2021, 9, 74562-74573.	4.2	14
63	MULTI-OBJECTIVE OPTIMIZATION BY MEANS OF MULTI-DIMENSIONAL MLP NEURAL NETWORKS. Neural Network World, 2014, 24, 31-56.	0.8	13
64	Efficient Evolutionary Algorithms for GPS Satellites Classification. Arabian Journal for Science and Engineering, 2012, 37, 2003-2015.	1.1	12
65	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
66	Atlas-based automatic breast MRI segmentation using pectoral muscle and chest region model. , 2014, , .		11
67	Vectorized and federated software receivers combining GLONASS and GPS. GPS Solutions, 2017, 21, 1331-1339.	4.3	11
68	Classifying the Geometric Dilution of Precision of GPS satellites utilizing Bayesian decision theory. Computers and Electrical Engineering, 2011, 37, 1009-1018.	4.8	10
69	Optimization of the low-cost INS/GPS navigation system using ANFIS for high speed vehicle application. , 2015, , .		10
70	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.	1.3	10
71	A New Method for Continuous Wave Interference Mitigation in Single-Frequency GPS Receivers. Wireless Personal Communications, 2016, 90, 1563-1578.	2.7	10
72	IR small target detection based on human visual attention using pulsed discrete cosine transform. IET Image Processing, 2017, 11, 397-405.	2.5	10

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73	Optimal Target-Oriented Fusion of Passive Millimeter Wave Images with Visible Images Based on Contourlet Transform. Wireless Personal Communications, 2017, 95, 4643-4666.	2.7	10
74	Performance analysis of GLONASS integration with GPS vectorised receiver in urban canyon positioning. Survey Review, 2019, 51, 460-471.	1.2	10
75	Effective Detection of GNSS Spoofing Attack Using A Multi-Layer Perceptron Neural Network Classifier Trained by PSO. , 2020, , .		10
76	A new post-correlation anti-jamming technique for GPS receivers. GPS Solutions, 2020, 24, 1.	4.3	10
77	Navigation Message Authentication Based on One-Way Hash Chain to Mitigate Spoofing Attacks for GPS L1. Wireless Personal Communications, 2020, 113, 1743-1754.	2.7	10
78	A multi-layer perceptron neural network to mitigate the interference of time synchronization attacks in stationary GPS receivers. GPS Solutions, 2021, 25, 1.	4.3	10
79	Two-Stage Beamforming for Rejecting Interferences Using Deep Neural Networks. IEEE Systems Journal, 2021, 15, 4439-4447.	4.6	10
80	Calculation of Geometric Dilution of Precision Using Adaptive Filtering Technique Based on Evolutionary Algorithms. , 2010, , .		9
81	Prediction of XRF analyzers error for elements on-line assaying using Kalman Filter. International Journal of Mining Science and Technology, 2012, 22, 595-601.	10.3	9
82	On relay selection to maximize coverage region for cooperative cellular networks with multiple fixed and unfixed relays. , 2015, , .		9
83	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.	0.9	9
84	Robust adaptive joint tracking of GNSS signal code phases in urban canyons. IET Radar, Sonar and Navigation, 2017, 11, 987-993.	1.8	9
85	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.	3.2	9
86	A Secure Lightweight Signcryption Scheme for Smart Grid Communications Using Reliable Physically Unclonable Function. , 2020, , .		9
87	A hybrid Type-2 Fuzzy Logic System and Extreme Learning Machine for low-cost INS/GPS in high-speed vehicular navigation system. Applied Soft Computing Journal, 2020, 94, 106447.	7.2	9
88	PRECISE REAL-TIME POSITIONING WITH A LOW COST GPS ENGINE USING NEURAL NETWORKS. Survey Review, 2007, 39, 316-327.	1.2	8
89	Prediction of copper grade at flotation column concentrate using Artificial Neural Network. , 2010, , .		8
90	A New 0.25â€"12.5ÂGHz 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

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91	Automatic segmentation of breast and fibroglandular tissue in breast MRI using local adaptive thresholding. , 2014, , .		8
92	Hybrid antiâ€jamming approach for kinematic global positioning system receivers. IET Signal Processing, 2018, 12, 888-895.	1.5	8
93	Novel Anti-spoofing Methods Based on Discrete Wavelet Transform in the Acquisition and Tracking Stages of Civil GPS Receiver. International Journal of Wireless Information Networks, 2018, 25, 449-460.	2.7	8
94	Blind and task-ware multi-cell battery management system. Engineering Science and Technology, an International Journal, 2020, 23, 544-554.	3.2	8
95	Improving GPS positioning accuracy using weighted Kalman Filter and variance estimation methods. CEAS Aeronautical Journal, 2020, 11, 515-527.	1.7	8
96	An Efficient Method for Selecting the Optimal Features using Evolutionary Algorithms for Epilepsy Diagnosis. Journal of Circuits, Systems and Computers, 2020, 29, 2050195.	1.5	8
97	Fully Adaptive Smart Vector tracking of Weak GPS Signals. Arabian Journal for Science and Engineering, 2021, 46, 1383-1393.	3.0	8
98	Unsupervised fuzzy cognitive map in diagnosis of breast epithelial lesions. , 2015, , .		7
99	Positioning performance analysis using RWLS algorithm based on variance estimation methods. Aerospace Science and Technology, 2015, 42, 88-96.	4.8	7
100	Low Noise Amplifier Synthesis Using Multidimensional MLP Neural Network. IETE Journal of Research, 2018, 64, 374-386.	2.6	7
101	Improved Semi-Bit Differential Acquisition Method for Navigation Bit Sign Transition and Code Doppler Compensation in Weak Signal Environment. Journal of Navigation, 2020, 73, 892-911.	1.7	7
102	Performance Improvement of GPS GDOP Approximation Using Recurrent Wavelet Neural Network. Journal of Geographic Information System, 2011, 03, 318-322.	0.5	7
103	An efficient method for optimum selection of GPS satellites set using Recurrent Neural Network. , 2009, , .		6
104	A novel fuzzy cognitive map based method for the differentiation of intraductal breast lesions. , 2012, , .		6
105	Stability Comparison of Fault Location Techniques Against Faulty GPS Time Tagging for Three-Terminal Lines. Arabian Journal for Science and Engineering, 2017, 42, 2739-2749.	3.0	6
106	Jamming Mitigation using an Improved Fuzzy Weighted Least Square Method in Combined GPS and GLONASS Receiver. AEU - International Journal of Electronics and Communications, 2017, 76, 107-116.	2.9	6
107	Numerical characterizations of unstable optical resonators and evaluation of the geometry effects. Optics and Laser Technology, 2007, 39, 669-680.	4.6	5
108	Neural Technologies for Precise Timing in Electric Power Systems with a Single-Frequency GPS Receiver. Wireless Personal Communications, 2014, 75, 925-941.	2.7	5

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109	A Fast GLONASS FDMA Acquisition Algorithm Using Multi-Satellite Search Strategy. Wireless Personal Communications, 2015, 84, 2665-2678.	2.7	5
110	Optimal estimating the project completion time and diagnosing the fault in the project. DYNA (Colombia), 2016, 83, 121-127.	0.4	5
111	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.	2.0	5
112	A new recursive satellite selection method for multi-constellation GNSS. Survey Review, 2020, 52, 330-340.	1.2	5
113	Positioning accuracy improvement in high‐speed GPS receivers using sequential extended Kalman filter. IET Signal Processing, 2021, 15, 251-264.	1.5	5
114	An improved two-step time-parallel semi-bit method for GPS weak signal acquisition. AEU - International Journal of Electronics and Communications, 2020, 121, 153240.	2.9	5
115	A low-cost integrated navigation system based on factor graph nonlinear optimization for autonomous flight. GPS Solutions, 2022, 26, 1.	4.3	5
116	Improve determining the location of a moving body on map by low cost GPS receiver. , 0, , .		4
117	Modeling of GPS SPS Timing Error using Multilayered Neural Network. , 2006, , .		4
118	An adaptive correction technique for DGPS using recurrent wavelet neural network. , 2007, , .		4
119	Investigation and Simulation of a Two-Channel Drop Filter with Tunable Double Optical Resonators. Journal of Superconductivity and Novel Magnetism, 2014, 27, 827-834.	1.8	4
120	Rapid and Precise GLONASS GDOP Approximation using Neural Networks. Wireless Personal Communications, 2014, 77, 2675-2685.	2.7	4
121	Spoofing Mitigation Using Double Stationary Wavelet Transform in Civil GPS Receivers. Wireless Personal Communications, 2019, 109, 1827-1844.	2.7	4
122	A New Method to Extend Differential Integration for Weak GPS Signal Acquisition. , 2019, , .		4
123	Acquisition of weak GPS signals using wavelet-based de-noising methods. Survey Review, 2020, 52, 497-513.	1.2	4
124	GPS Continues Wave Jamming Canceller using an ANF Combined with an Artificial Neural Network. , 2020, , .		4
125	Detailed implementation of asynchronous circuits on commercial FPGAs. Analog Integrated Circuits and Signal Processing, 2020, 103, 375-389.	1.4	4
126	Low Computational-Complexity vector tracking for Low-Cost GNSS receivers. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111171.	5.0	4

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127	A comparative study between performance of recurrent neural network and kalman filter for DGPS corrections prediction. , 0, , .		3
128	Frequency Domain Modeling of GPS Positioning Errors. , 2006, , .		3
129	KNOWLEDGE-BASED METHODS FOR OPTIMUM APPROXIMATION OF GEOMETRIC DILUTION OF PRECISION. International Journal of Computational Intelligence and Applications, 2010, 09, 153-170.	0.8	3
130	Use of Accurate GPS Timing Based on Radial Basis Probabilistic Neural Network in Electric Systems. , 2010, , .		3
131	Design and simulation of a fuzzy controller for a busy intersection. , 2013, , .		3
132	Estimation of Project Completion Time-Based on a Mixture of Expert in an Interactive Space. Modern Applied Science, 2014, 8, .	0.6	3
133	An effective approach for simulating the two-color infrared seekers. Infrared Physics and Technology, 2014, 67, 73-83.	2.9	3
134	A genetic approach in relay-jammer selection and power allocation for physical layer security. , 2016, , .		3
135	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.	2.2	3
136	Real-time interference detection and mitigation in robust tracking loop of GPS receiver. Analog Integrated Circuits and Signal Processing, 2018, 95, 93-113.	1.4	3
137	Improving GPS Receivers Positioning in Weak Signal Environments Based on Fuzzy SSMF-FFT and Fuzzy Kalman Filter. Wireless Personal Communications, 2020, 114, 1557-1581.	2.7	3
138	Prediction of MEMS-based INS Error Using Interval Type-2 Fuzzy Logic System in INS/GPS Integration. , 2020, , .		3
139	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
140	Recurrent Polynomial Neural Networks for Enhancing Performance of GPS in Electric Systems. Wireless Sensor Network, 2009, 01, 95-103.	1.3	3
141	DNNâ€based interference mitigation beamformer. IET Radar, Sonar and Navigation, 2020, 14, 1788-1794.	1.8	3
142	Improvement on a low cost positioning sensor accuracy. , 0, , .		2
143	Design and Implementation of a New Infrared Counter-Countermeasure Algorithm using Kalman Filter. , 2006, , .		2
144	Single-frequency GPS receivers ionospheric time-delay approximation using radial basis function neural network. , 2009, , .		2

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145	A novel LBP method for invariant texture classification. , 2015, , .		2
146	A novel CMC based method for MR! brain image segmentation. , 2015, , .		2
147	Improved regularization based blind image deconvolution using PSO algorithm for PMMW images application. , 2015, , .		2
148	A Novel Genetic-Based Resource Allocation and Cooperative Node Selection Technique for Physical Layer Security Designs. Wireless Personal Communications, 2017, 95, 4733-4746.	2.7	2
149	A Novel Ratio-Phase Metric of Signal Quality Monitoring for Real-Time Detection of GPS Interference. Wireless Personal Communications, 2017, 97, 2799-2818.	2.7	2
150	Improving the efficiency of an EEG-based brain computer interface using Filter Bank Common Spatial Pattern. , 2017, , .		2
151	Accurate prediction of differential GPS corrections using fuzzy cognitive map. , 2017, , .		2
152	MP Mitigation in Urban Canyons using GPSâ€combinedâ€GLONASS Weighted Vectorized Receiver. IET Signal Processing, 2017, 11, 446-451.	1.5	2
153	Regularization-Based Semi-Blind Image Deconvolution Using an Improved Function for PMMW Images Application. Journal of Circuits, Systems and Computers, 2018, 27, 1850107.	1.5	2
154	An Optimal Algorithm for Fusion of Passive Millimeter Wave and Visible Images Based on Non-subsampled Shearlet Transform and Improved Spiking Cortical Model. Wireless Personal Communications, 2018, 103, 2599-2620.	2.7	2
155	Increasing the Resistance of GPS Receivers by Using a Fuzzy Smart Estimator in Weak Signal Conditions. Journal of Navigation, 2020, 73, 991-1013.	1.7	2
156	Design of Evolutionary Adaptive Notch Filter for GPS Anti-Jamming System. Journal of Circuits, Systems and Computers, 2021, 30, 2150179.	1.5	2
157	A Hybrid Data Fusion Approach to AI-Assisted Indirect Centralized Integrated SINS/GNSS Navigation System During GNSS Outage. IEEE Access, 2021, 9, 100827-100838.	4.2	2
158	A Modified Imperialist Competitive Algorithm for Spoofing Attack Detection in Single-Frequency GPS Receivers. Wireless Personal Communications, 2021, 119, 919-940.	2.7	2
159	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.	4.2	2
160	Increasing of DGPS accuracy using recurrent neural networks. , 0, , .		1
161	Extrapolative Model of DGPS Corrections using a Multilayered Neural Network Based on the Extended Kalman Filter. , 2006, , .		1
162	Recurrent polynomial neural networks for enhancing performance of GPS based line fault location. , 2008, , .		1

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163	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.	3.3	1
164	Estimation of project completion time using proper fuzzy combination of regression methods. , 2015, , .		1
165	Seizure prediction using EEG segmentation change points. , 2017, , .		1
166	Robust acquisition at GPS receivers in unsafe locations using complex wavelet transform. Survey Review, 2019, 51, 514-524.	1.2	1
167	A Fuzzy Weighted Kalman Filter for GPS Positioning Precision Enhancement. , 2019, , .		1
168	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.	3.4	1
169	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.	1.4	1
170	Low Computational Complexity in Low-Cost GNSS Receivers. Wireless Personal Communications, 2020, 112, 37-59.	2.7	1
171	Intelligent vectorised architecture for performance enhancement of GNSS receivers in signal blocking situations. Survey Review, 2021, 53, 513-527.	1.2	1
172	Reduction of the Acquisition Time in GPS Receiver by Multi-Stage Frequency Bins. , 2020, , .		1
173	Enhancing Classification Performance between Different GNSS Interferences using Neural Networks Trained by TAC-PSO Algorithm. , 2020, , .		1
174	A New Variance-Covariance Matrix for Improving Positioning Accuracy in High-Speed GPS Receivers. Sensors, 2021, 21, 7324.	3.8	1
175	Optimisation of doppler search space to improve acquisition speed of GPS signals. Survey Review, 2023, 55, 216-232.	1.2	1
176	Improve the position accuracy on low cost GPS receiver with adaptive neural networks. , 0, , .		0
177	An intelligent Differential GPS using Π-Σ Neural Network. , 2010, , .		0
178	Evolution of mapping functions for image encryption using Evolvable Hardware. , 2010, , .		0
179	Robustness of stego-images against histogram attack based on genetic algorithm. , 2010, , .		0
180	GMM-Guided gradient descent learning of RBF Neural Network with its application on robust GPS satellites selection. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
181	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
182	A Hardware Implementation for Acquisition Stage Based on the Parallel Frequency Search Method. , 2019, , .		0
183	An Enhanced FPGA-based Implementation of Fuzzy Controller using a Personalized Microcontroller. , 2019, , .		0
184	A Hardware Implementation for a New Post-correlation Anti-jamming Method. Wireless Personal Communications, 2021, 117, 2555-2574.	2.7	0
185	Comparison of two methods of removing EOG artifacts for use in a motor imagery-based brain computer interface. Evolving Systems, 2021, 12, 527-540.	3.9	0
186	Novel secure positioning method in ultra-wide band framework based on overshadowing attack probabilistic model. IET Communications, 2020, 14, 3778-3783.	2.2	0
187	RetinaMHSA: Improving in single-stage detector with self-attention. , 2021, , .		0
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, , .	3.0	0