Ali Sadr

List of Publications by Year
in descending order

48 papers	290 citations	1163117 8 h-index	1058476 14 g-index
50 all docs	50 docs citations	50 times ranked	185 citing authors

#	Article	IF	Citations
1	Supercontinuum generation for optical coherence tomography using magnesium fluoride photonic crystal fiber. Optik, 2017, 140, 545-554.	2.9	48
2	Supercontinuum generation with femtosecond optical pulse compression in silicon photonic crystal fibers at 2500Ânm. Optical and Quantum Electronics, 2018, 50, 1.	3.3	34
3	A rapid nanobiosensing platform based on herceptin-conjugated graphene for ultrasensitive detection of circulating tumor cells in early breast cancer. Nanotechnology Reviews, 2021, 10, 744-753.	5.8	27
4	Generating High Quality Pseudo Random Number Using Evolutionary methods. , 2008, , .		16
5	Application of Linear Discriminant Analysis to Ultrasound Signals for Automatic Microstructural Characterization and Classification. Journal of Signal Processing Systems, 2016, 83, 411-421.	2.1	11
6	Automatic microstructural characterization and classification using dual tree complex wavelet-based features and Bees Algorithm. Neural Computing and Applications, 2017, 28, 1877-1889.	5.6	11
7	Classification of early-MCI patients from healthy controls using evolutionary optimization of graph measures of resting-state fMRI, for the Alzheimerâ€™s disease neuroimaging initiative. PLoS ONE, 2022, 17, e0267608.	2.5	11
8	Automatic Microstructural Characterization and Classification Using Higher-Order Spectra on Ultrasound Signals. Journal of Nondestructive Evaluation, 2016, 35, 1.	2.4	10
9	Weighted Hamming distance for PUF performance evaluation. Electronics Letters, 2013, 49, 1376-1378.	1.0	9
10	Security in the speech cryptosystem based on blind sources separation. Multimedia Tools and Applications, 2015, 74, 9715-9728.	3.9	9
11	Effects of short term and long term Extremely Low Frequency Magnetic Field on depressive disorder in mice: Involvement of nitric oxide pathway. Life Sciences, 2016, 146, 52-57.	4.3	9
12	Automatic microstructural characterization and classification using probabilistic neural network on ultrasound signals. Journal of Intelligent Manufacturing, 2018, 29, 1923-1940.	7.3	9
13	Leukocyte's nucleus segmentation using active contour in YCbCr colour space. , 2010, , .		6
14	Signal Processing for NDE. , 2018, , 1-19.		6
15	Modeling Photonic Crystal Fiber for Efficient Soliton-Effect Compression of Femtosecond Optical Pulses at 850Ânm. Arabian Journal for Science and Engineering, 2014, 39, 3917-3923.	1.1	5
16	Exponential synchronization of a Markovian jump complex dynamic network with piecewise-constant transition rates and distributed delay. Transactions of the Institute of Measurement and Control, 2019, 41, 2535-2544.	1.7	5
17	Exponential Synchronization of Markovian Jump Complex Dynamical Networks with Uncertain Transition Rates and Mode-Dependent Coupling Delay. Circuits, Systems, and Signal Processing, 2020, 39, 3875-3906.	2.0	5
18	Machine learning-based QOT prediction for self-driven optical networks. Neural Computing and Applications, 2021, 33, 2919-2928.	5.6	5

#	Article	IF	Citations
19	Finite-element simulation of effects of laser parameters on laser generated ultrasonic waves in human skin. , 2010, , .		4
20	Design of Optimum Wavelet for Noise Suppression and its Application to Ultrasonic Echo Delay Estimation. , 2007, , .		3
21	A Real-Time Algorithm to Detect Inverted and Symmetrical T-Wave. , 2009, , .		3
22	Design and simulation of ultrasonic denoising algorithm using wavelet transform and ICA. , 2010, , .		3
23	T wave detection by correlation method in the ECG signal. , 2010, , .		3
24	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
25	A Hardware Implementation for Colour Edge Detection Using Prewitt-Inspired Filters Based on Geometric Algebra. Advances in Applied Clifford Algebras, 2019, 29, 1.	1.0	3
26	Multifunctional Magnetic Nanoparticles-Labeled Mesenchymal Stem Cells for Hyperthermia and Bioimaging Applications. Methods in Molecular Biology, 2019, 2125, 57-72.	0.9	3
27	Optimum wavelet design for noise reduction and feature extraction. , 2007, , .		2
28	Generation and detection of nano ultrasound waves with a multiple strained layer structure. Optical and Quantum Electronics, 2008, 40, 577-586.	3.3	2
29	Detecting T-wave Using Separated Beats by Adaptive Threshold. , 2009, , .		2
30	An Implementing Consideration for the Key in a BSS-Based Cryptosystem. Wireless Personal Communications, 2015, 80, 17-28.	2.7	2
31	Extracting the region of interest from MFL signals. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 427-434.	1.4	2
32	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
33	Signal Processing for NDE. , 2019, , 1525-1543.		2
34	Comparison of cortical and subcortical structural segmentation methods in Alzheimer's disease: A statistical approach. Journal of Clinical Neuroscience, 2022, 99, 99-108.	1.5	2
35	Comparison of Using Different Types of Wavelet or FFT for De-nosing of Body Surface Potential Signals. , 2008, , .		1
36	Numerical Simulation of Laser-Generated Ultrasonic Waves in Human Skin with Different Epidermis Thicknesses. , 2009, , .		1

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37	DENOISING NONINVASIVE LASER-ULTRASOUND SIGNALS BASED ON COMBINATION OF WAVELET TRANSFORM AND INDEPENDENT COMPONENT ANALYSIS. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 411-423.	0.6	1
38	Thresholding attack on the BSS-based cryptosystem which has binary key. International Journal of Electronic Security and Digital Forensics, 2014, 6, 81.	0.2	1
39	Exponential synchronization of a complex dynamical network with piecewise-homogeneous Markovian jump structure and coupling delay. , 2019, , .		1
40	Robust exponential synchronization of a Markovian jump complex dynamical network with piecewise homogeneous Markovian parameters. IMA Journal of Mathematical Control and Information, 2020, 37, 1168-1191.	1.7	1
41	Modular neural networks for quality of transmission prediction in low-margin optical networks. Journal of Intelligent Manufacturing, 2021, 32, 361-375.	7.3	1
42	Diagnosis of early mild cognitive impairment using a multiobjective optimization algorithm based on T1-MRI data. Scientific Reports, 2022, 12, 1020.	3.3	1
43	A High Speed and Power Controlled CMOS Edge Detector for 2.5 Gb/s Clock Recovery Circuit. , 2006, , .		0
44	Performance of Wavelet - Based Threshold Selection Schemes for Watermark Detection. , 2007, , .		0
45	A Novel Approach Based on Rosette Pattern for Defects Detection in Ultrasound Images. , 2009, , .		0
46	Computation of transient Eddy currents in EMATs using discrete Picard Method. , 2010, , .		0
47	Sampling and clustering algorithm for determining the number of clusters based on the rosette pattern. Optical Engineering, 2012, 51, 017204.	1.0	0
48	A Parallelized and Pipelined Datapath to Implement ISODATA Algorithm for Rosette Scan Images on a Reconfigurable Hardware. , 2007, , .		0