R Machado, Renato Machado, Machado,

List of Publications by Year
in descending order

51 papers	260 citations	1039406 9 h-index	1058022 14 g-index
51 all docs	51 docs citations	51 times ranked	161 citing authors

#	Article	IF	Citations
1	False Alarm Reduction in Wavelength–Resolution SAR Change Detection Schemes by Using a Convolutional Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	9
2	CNN-Based Change Detection Algorithm for Wavelength-Resolution SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	9
3	Robust Rayleigh Regression Method for SAR Image Processing in Presence of Outliers. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	0
4	Neyman–Pearson Criterion-Based Change Detection Methods for Wavelength–Resolution SAR Image Stacks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
5	Non-Cooperative SAR Automatic Target Recognition Based on Scattering Centers Models. Sensors, 2022, 22, 1293.	2.1	6
6	A New Probability Distribution for SAR Image Modeling. Remote Sensing, 2022, 14, 2853.	1.8	1
7	Assessment of Machine Learning Techniques for Oil Rig Classification in C-Band SAR Images. Remote Sensing, 2022, 14, 2966.	1.8	2
8	Simulation of Damage Location Algorithm for Structural Health Monitoring System. Smart Innovation, Systems and Technologies, 2021, , 790-800.	0.5	0
9	Fast real-time SDRE controllers using neural networks. ISA Transactions, 2021, 118, 133-143.	3.1	7
10	A Wavelength-Resolution SAR Change Detection Method Based on Image Stack through Robust Principal Component Analysis. Remote Sensing, 2021, 13, 833.	1.8	8
11	Change detection method for intensity VHF wavelength-resolution SAR images. , 2021, , .		0
12	A Statistical Analysis for Wavelength-Resolution SAR Image Stacks. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 227-231.	1.4	13
13	Wavelength-Resolution SAR Change Detection Using Bayes' Theorem. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5560-5568.	2.3	7
14	Change Detection in UWB SAR Images Based on Robust Principal Component Analysis. Remote Sensing, 2020, 12, 1916.	1.8	15
15	Wavelength-Resolution SAR Ground Scene Prediction Based on Image Stack. Sensors, 2020, 20, 2008.	2.1	10
16	Incoherent Change Detection Methods for Wavelength-Resolution SAR Image Stacks Based on Masking Techniques. , 2020, , .		0
17	Change detection in UWB VHF SAR images exploiting flight heading diversity through robust principal component analysis. , 2020, , .		0
18	Unsupervised Automatic Target Detection for Multitemporal SAR Images based on Adaptive K-means Algorithm. , 2020, , .		0

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19	Measurement and Characterization of Power Lines of Aircraft Flight Test Instrumentation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1550-1560.	2.6	9
20	Rayleigh Regression Model for Ground Type Detection in SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1660-1664.	1.4	14
21	A Change Detection Algorithm for Sar Images Based on Logistic Regression. , 2019, , .		7
22	Approximate BER Analysis for MAC Systems. IEEE Wireless Communications Letters, 2018, 7, 10-13.	3.2	0
23	Autoregressive model for multi-pass SAR change detection based on image stacks. , 2018, , .		4
24	False Alarm Reduction in Wavelength-Resolution SAR Change Detection Using Adaptive Noise Canceler. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 591-599.	2.7	32
25	Indoor position tracking: An application using the Arduino mobile platform. , 2017, , .		2
26	A CFAR optimization for low frequency UWB SAR change detection algorithms. , 2017, , .		1
27	Synthesis and implementation aspects of linear antenna arrays with shaped radiation pattern for mobile communications. IET Microwaves, Antennas and Propagation, 2016, 10, 442-452.	0.7	4
28	Improved solution for node location multilateration algorithms in wireless sensor networks. Electronics Letters, 2016, 52, 1179-1181.	0.5	12
29	The Stability of UWB Low-Frequency SAR Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1114-1118.	1.4	23
30	Linear Array Design with Switched Beams for Wireless Communications Systems. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	0.7	4
31	SAR image statistics and adaptive signal processing for change detection. Proceedings of SPIE, 2015, , .	0.8	2
32	Empirical-statistical analysis of amplitude SAR images for change detection algorithms. , 2015, , .		3
33	Bayesian change analysis for finding vehicle size targets in VHF foliage penetration SAR data. , 2015, , .		8
34	Experimental results on change detection based on Bayes probability theorem. , 2015, , .		3
35	Optimization of switched-beam arrays for communication systems. , 2014, , .		2
36	Cooperative multiple-access scheme with antenna selection and incremental relaying. , 2014, , .		1

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37	Low-complexity codebook-based beamforming with four transmit antennas and quantized feedback channel. , 2014, , .		1
38	A dynamic hybrid antenna/relay selection scheme for the multiple-access relay channel. , 2014, , .		0
39	Synthesis of linear antenna array for 4G mobile communication systems. , 2013, , .		3
40	A low-complexity rate-one MIMO scheme with four transmit antennas and phase feedback. , 2013, , .		0
41	Synthesis of linear antenna arrays for radio base stations. , 2013, , .		5
42	Cooperative transmission scheme with two relay stations and phase feedback channels. , 2012, , .		0
43	Coded CP-SC communication scheme for outdoor power line communications. , 2010, , .		5
44	Cooperative Diversity Scheme with Two Relay Stations and Linear Coherent Detection. , 2010, , .		1
45	MISO single-carrier system with feedback channel information for narrowband PLC applications. , 2009, , .		7
46	Linear Dispersion Codes for MIMO Channels with Limited Feedback. , 2008, , .		2
47	A Cooperative Diversity Scheme with Partial Channel Knowledge at the Cooperating Nodes. , 2008, , .		0
48	Extended Techniques for Transmit Antenna Selection With STBCs. Journal of Communication and Information Systems, 2006, 21, 188-195.	0.2	5
49	Space-time block coding with hybrid transmit antenna/code selection. , 2004, , .		9
50	A hybrid transmit antenna/code selection scheme using space-time block codes. , 0, , .		0
51	A Simple Geometrical-Based Calibration Technique for 3D Scanners with Rotating Platform. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0