Gabriel Thomas

List of Publications by Year
in descending order

25 papers	173 citations	1937685 4 h-index	1872680 6 g-index
25 all docs	25 docs citations	25 times ranked	197 citing authors

#	Article	IF	Citations
1	Histogram Specification: A Fast and Flexible Method to Process Digital Images. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1565-1578.	4.7	63
2	Detection of Ice on Power Cables Based on Image Texture Features. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 497-504.	4.7	25
3	Semi-Automatic Prostate Segmentation of MR Images Based on Flow Orientation. , 2006, , .		21
4	Radar signal design using chaotic signals. , 2007, , .		16
5	Breast Tumor Microwave Simulator Based on a Radar Signal Model. , 2006, , .		12
6	Blind Image Restoration using the Cepstrum Method. , 2006, , .		7
7	Image segmentation using histogram specification. , 2008, , .		5
8	Classification of dates varieties and effect of motion blurring on standardized moment features. Journal of Food Measurement and Characterization, 2012, 6, 21-26.	3.2	4
9	Wavelet-based blind deconvolution of near-field ultrasound scans. IET Image Processing, 2015, 9, 672-679.	2.5	4
10	Segmentation of Wheat Grains in Thermal Images Based on Pulse Coupled Neural Networks. , 2007, , .		3
11	Ultrasound high resolution imaging using a modified synthetic aperture focusing method. , 2012, , .		3
12	Ice Detection on Electrical Power Cables. Lecture Notes in Computer Science, 2015, , 355-364.	1.3	3
13	Frequency compounding of synthetic aperture ultrasound imagery using multiscale products. , 2010, , .		1
14	Fast digital image contrast enhancement. , 2010, , .		1
15	A MEMS ultrasonic transducer imager array with beam width, acoustic power, and frequency modulations. , 2012, , .		1
16	Stationarity Enforcement of Accelerator Based TRNG by Genetic Algorithm. , 2015, , .		1
17	Fault detection on power cables based on ultrasound scans and 3rd order cumulants. , 2016, , .		1
18	Texture features based on the use of the hough transform and income inequality metrics. , 2017, , .		1

#	Article	IF	Citations
19	Hybrid Microwave Tomography Technique for Breast Cancer Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	1
20	Wavefront reconstruction of 3D cylindrical subsurface radar imagery: A study on synthetic phantoms. , 2008, , .		0
21	Image de-noising based on Hodrick-Prescott filtering. , 2012, , .		0
22	Design and analysis of a wide bandwidth immersion MEMS transducer array for fault detection in power cables. , 2012, , .		0
23	On the Solution of the Impulse Response of a Discrete System. IEEE Access, 2019, 7, 35480-35486.	4.2	0
24	BRIGHTNESS PRESERVING HISTOGRAM EQUALIZATION (BPHE) TECHNIQUE FOR CLASSIFICATION OF DATES. International Journal of Image Processing and Vision Sciences, 2013, , 200-202.	0.1	0
25	3D Breast Microwave Imaging Based on Wavefront Reconstruction. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0