Mukul V Shirvaikar

List of Publications by Year
in descending order

19 papers	**264** citations	1163117 **8** h-index	1281871 **11** g-index
19 all docs	**19** docs citations	**19** times ranked	**211** citing authors

#	Article	IF	Citations
1	Semivariogram analysis of bone images implemented on FPGA architectures. Journal of Real-Time Image Processing, 2017, 13, 161-180.	3.5	0
2	The Measurement of Bone Quality Using Gray Level Co-Occurrence Matrix Textural Features. Journal of Medical Imaging and Health Informatics, 2016, 6, 1357-1362.	0.3	21
3	Fast semivariogram computation using FPGA architectures. Proceedings of SPIE, 2015, , .	0.8	2
4	Random field assessment of inhomogeneous bone mineral density from DXA scans can enhance the differentiation between postmenopausal women with and without hip fractures. Journal of Biomechanics, 2015, 48, 1043-1051.	2.1	9
5	Stochastic predictors from the DXA scans of human lumbar vertebrae are correlated with the microarchitecture parameters of trabecular bone. Journal of Biomechanics, 2015, 48, 2968-2975.	2.1	9
6	Biomechanical properties and microarchitecture parameters of trabecular bone are correlated with stochastic measures of 2D projection images. Bone, 2013, 56, 327-336.	2.9	19
7	Cellular Automata-Based Parallel Random Number Generators Using FPGAs. International Journal of Reconfigurable Computing, 2012, 2012, 1-13.	0.2	16
8	Optimization of image processing algorithms on mobile platforms. Proceedings of SPIE, 2011, , .	0.8	0
9	Inhomogeneity of Bone Mineral Distribution in 2D Projection Images of Trabecular Bone is Associated With Its Micro-Architecture and Biomechanical Properties. , 2011, , .		0
10	Performance analysis of range sensors for a real-time power plant coal level sensing system. , 2010, , .		0
11	Optimization of computer vision algorithms for real time platforms. , 2010, , .		11
12	A comparison between DSP and FPGA platforms for real-time imaging applications. Proceedings of SPIE, 2009, , .	0.8	11
13	VHDL implementation of wavelet packet transforms using SIMULINK tools. , 2008, , .		3
14	Evaluation of the independent component analysis algorithm for face recognition under varying conditions. Proceedings of SPIE, 2008, , .	0.8	0
15	Trends in automated visual inspection. Journal of Real-Time Image Processing, 2006, 1, 41-43.	3.5	34
16	A neural network filter to detect small targets in high clutter backgrounds. IEEE Transactions on Neural Networks, 1995, 6, 252-257.	4.2	76
17	Developing texture-based image clutter measures for object detection. Optical Engineering, 1992, 31, 2628.	1.0	24
18	A vision based method to automate map processing. Pattern Recognition, 1988, 21, 319-326.	8.1	27

#	Article	IF	Citations
19	Development of a Smartphone Application Serving Pavement Management Engineers. Transportation Research Record, 0, , 036119812110733.	1.9	2