Iuri Frosio

List of Publications by Year
in descending order

35 papers	2,121 citations	933447 10 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	2421 citing authors

#	Article	IF	Citations
1	Statistical Nearest Neighbors for Image Denoising. IEEE Transactions on Image Processing, 2019, 28, 723-738.	9.8	29
2	Learning Adaptive Parameter Tuning for Image Processing. IS&T International Symposium on Electronic Imaging, 2018, 30, 196-1-196-8.	0.4	4
3	Loss Functions for Image Restoration With Neural Networks. IEEE Transactions on Computational Imaging, 2017, 3, 47-57.	4.4	1,509
4	A patch memory system for image processing and computer vision. , 2016, , .		10
5	A real-time energy-efficient superpixel hardware accelerator for mobile computer vision applications. , 2016, , .		7
6	Camera re-calibration after zooming based on sets of conics. Visual Computer, 2016, 32, 663-674.	3.5	6
7	Robust Model-Based 3D Head Pose Estimation. , 2015, , .		77
8	Machine learning for adaptive bilateral filtering. Proceedings of SPIE, 2015, , .	0.8	5
9	Retrieving gray-level information from a Binary Sensor and its application to gesture detection. , 2015, , .		1
10	Accelerometer-based correction of skewed horizon and keystone distortion in digital photography. Image and Vision Computing, 2014, 32, 606-615.	4.5	2
11	Compact tracking of surgical instruments through structured markers. Medical and Biological Engineering and Computing, 2013, 51, 823-833.	2.8	4
12	Bayesian denoising in digital radiography: A comparison in the dental field. Computerized Medical Imaging and Graphics, 2013, 37, 28-39.	5.8	4
13	Robust Silhouette Extraction from Kinect Data. Lecture Notes in Computer Science, 2013, , 642-651.	1.3	2
14	Conic Based Camera Re-calibration after Zooming. Lecture Notes in Computer Science, 2013, , 361-370.	1.3	0
15	Accelerometer based horizon and keystone perspective correction. , 2012, , .		4
16	Linear pose estimate from corresponding conics. Pattern Recognition, 2012, 45, 4169-4181.	8.1	18
17	Autocalibration of Triaxial MEMS Accelerometers With Automatic Sensor Model Selection. IEEE Sensors Journal, 2012, 12, 2100-2108.	4.7	52
18	Flexible and low cost laser scanner for automatic tyre inspection. , 2011, , .		4

#	Article	IF	Citations
19	Optimized acquisition geometry for X-ray inspection. , 2011, , .		5
20	Optimal Choice of Regularization Parameter in Image Denoising. Lecture Notes in Computer Science, 2011, , 534-543.	1.3	2
21	Compression and smart coding of offset and gain maps for intraoral digital xâ€ray sensors. Medical Physics, 2009, 36, 464-479.	3.0	2
22	Autocalibration of MEMS Accelerometers. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2034-2041.	4.7	146
23	Statistical Based Impulsive Noise Removal in Digital Radiography. IEEE Transactions on Medical Imaging, 2009, 28, 3-16.	8.9	33
24	Real-time accurate circle fitting with occlusions. Pattern Recognition, 2008, 41, 1041-1055.	8.1	44
25	Prediction correction tractography through statistical tracking. , 2008, , .		2
26	Tomosynthesis through a time delay integration sensor. , 2007, , .		0
27	A new and reliable Poisson noise estimator for radiographic images. , 2007, , .		4
28	3D analysis of the body center of mass in rock climbing. Human Movement Science, 2007, 26, 841-852.	1.4	70
29	Enhancing digital cephalic radiography with mixture models and local gamma correction. IEEE Transactions on Medical Imaging, 2006, 25, 113-121.	8.9	24
30	A Neural Network Based Method for Optical Patient Set-up Registration in Breast Radiotherapy. Annals of Biomedical Engineering, 2006, 34, 677-686.	2.5	6
31	A new real time filter for local exposure correction in panoramic radiographs. Medical Physics, 2006, 33, 3478-3488.	3.0	1
32	Autocalibration of MEMS Accelerometer. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	0
33	Automatic Multiscale Meshing Through HRBF Networks. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1463-1470.	4.7	37
34	Enhanced vector quantization for data reduction and filtering. , 0, , .		1
35	The accuracy of the HRBF networks. , 0, , .		1