Raimund Leitner

List of Publications by Year
in descending order

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38	311	1307594	996975
papers	citations	7 h-index	15 g-index

39	39	39	403
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hyperspectral fruit and vegetable classification using convolutional neural networks. Computers and Electronics in Agriculture, 2019, 162, 364-372.	7.7	94
2	Multi-spectral video endoscopy system for the detection of cancerous tissue. Pattern Recognition Letters, 2013, 34, 85-93.	4.2	44
3	UAV-based measurement of vegetation indices for environmental monitoring. , 2013, , .		26
4	Quantitative Ethylene Measurements with MOx Chemiresistive Sensors at Different Relative Air Humidities. Sensors, 2015, 15, 28088-28098.	3.8	23
5	UAV-based environmental monitoring using multi-spectral imaging. Proceedings of SPIE, 2010, , .	0.8	15
6	Hyperspectral video endoscope for intra-surgery tissue classification using auto-fluorescence and reflectance spectroscopy. , 2011, , .		12
7	A study on design of object sorting algorithms in the industrial application using hyperspectral imaging. Journal of Real-Time Image Processing, 2006, 1, 101-108.	3.5	10
8	High-sensitivity hyperspectral imager for biomedical video diagnostic applications. Proceedings of SPIE, 2010, , .	0.8	10
9	Consumerâ€™s perception of high gloss furniture: instrumental gloss measurement versus visual gloss evaluation. European Journal of Wood and Wood Products, 2017, 75, 1009-1016.	2.9	9
10	UAV-based multispectral environmental monitoring. , 2010, , .		8
11	SEDMI: Saliency based edge detection in multispectral images. Image and Vision Computing, 2011, 29, 546-556.	4.5	7
12	Detecting and discriminating PE and PP polymers for plastics recycling using NIR imaging spectroscopy. , 2010, , .		6
13	High-sensitivity hyper-spectral video endoscopy system for intra-surgical tissue classification. , 2010, , .		6
14	UAV-based multi-spectral environmental monitoring. Proceedings of SPIE, 2012, , .	0.8	5
15	A Clustering Based Method for Edge Detection in Hyperspectral Images. Lecture Notes in Computer Science, 2009, , 580-587.	1.3	5
16	Real-time detection of flame-retardant additives in polymers and polymer blends with NIR imaging spectroscopy. Proceedings of SPIE, 2009, , .	0.8	4
17	Segmentation and Classification of Hyper-Spectral Skin Data. Studies in Classification, Data Analysis, and Knowledge Organization, 2008, , 245-252.	0.2	4
18	Hyper-spectral video endoscopy system for intra-surgery tissue classification. , 2013, , .		3

#	Article	IF	Citations
19	Compact Low-cost Scanner for 3D-Reconstruction of Body Parts with Structured Light Illumination. International Journal of Bio-Science and Bio-Technology, 2014, 6, 13-22.	0.2	3
20	Investigation of charge carrier dynamics in silicon wafers using terahertz imaging spectroscopy. , 2012, , .		2
21	Hyperspectral light field imaging. , 2015, , .		2
22	The effect of sensor temperature and MOx layer thickness on the sensitivity of SnO₂- and WO₃-based chemiresistive sensors to ethylene gas. Proceedings of SPIE, 2015, , .	0.8	2
23	Near infrared hyperspectral imaging system for root phenotyping. , 2017, , .		2
24	Hyper-Spectral Video Endoscope for Intra-Surgery Tissue Classification using Auto-Fluorescence and Reflectance Spectroscopy. , 2011, , .		2
25	Recognition of 3D Objects by Learning from Correspondences in a Sequence of Unlabeled Training Images. Lecture Notes in Computer Science, 2005, , 369-376.	1.3	1
26	Near-infrared imaging spectroscopy for counterfeit drug detection. Proceedings of SPIE, 2011, , .	0.8	1
27	Detection of fire protection and mineral glasses in industrial recycling using Raman mapping spectroscopy. , 2011, , .		1
28	Industrial Raman mapping spectroscopy for mining applications. , 2012, , .		1
29	Fluorescent marker-based and marker-free discrimination between healthy and cancerous human tissues using hyper-spectral imaging. Proceedings of SPIE, 2015, , .	0.8	1
30	Inkjet-printed selective microfluidic biosensor using CNTs functionalized by cytochrome P450 enzyme. , 2017, , .		1
31	Learning 3D Object Recognition from an Unlabelled and Unordered Training Set. , 2007, , 644-651.		1
32	Detection of flexographic inks using NIR LCTF-based hyperspectral imaging. , 2010, , .		0
33	Snapshot spectral imaging system. , 2010, , .		0
34	Snapshot spectral imaging demonstrator. Proceedings of SPIE, 2011, , .	0.8	0
35	Investigation of optically injected charge carrier dynamics in silicon wafers using terahertz spectroscopic imaging. Proceedings of SPIE, 2012, , .	0.8	0
36	Snapshot spectral imaging using optimized diffractive optical elements. Proceedings of SPIE, 2012, , .	0.8	0

#	Article	IF	Citations
37	High Resolution 3D-Reconstruction of Body Parts with Structured Light Illumination. , 2013, , .		0
38	Automated Analysis of Multi-Spectral M-FISH Images for Breast Carcinoma Staging. , 2013, , .		0