

# Raimund Leitner

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

311  
citations

1307594

7  
h-index

996975

15  
g-index

39  
all docs

39  
docs citations

39  
times ranked

403  
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	Near infrared hyperspectral imaging system for root phenotyping. , 2017, , .		2
3	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
4	Inkjet-printed selective microfluidic biosensor using CNTs functionalized by cytochrome P450 enzyme. , 2017, , .		1
5	Quantitative Ethylene Measurements with MOx Chemiresistive Sensors at Different Relative Air Humidities. Sensors, 2015, 15, 28088-28098.	3.8	23
6	Hyperspectral light field imaging. , 2015, , .		2
7	The effect of sensor temperature and MOx layer thickness on the sensitivity of SnO <sub>2</sub> - and WO <sub>3</sub> -based chemiresistive sensors to ethylene gas. Proceedings of SPIE, 2015, , .	0.8	2
8	Fluorescent marker-based and marker-free discrimination between healthy and cancerous human tissues using hyper-spectral imaging. Proceedings of SPIE, 2015, , .	0.8	1
9	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
10	Multi-spectral video endoscopy system for the detection of cancerous tissue. Pattern Recognition Letters, 2013, 34, 85-93.	4.2	44
11	Hyper-spectral video endoscopy system for intra-surgery tissue classification. , 2013, , .		3
12	UAV-based measurement of vegetation indices for environmental monitoring. , 2013, , .		26
13	High Resolution 3D-Reconstruction of Body Parts with Structured Light Illumination. , 2013, , .		0
14	Automated Analysis of Multi-Spectral M-FISH Images for Breast Carcinoma Staging. , 2013, , .		0
15	Investigation of optically injected charge carrier dynamics in silicon wafers using terahertz spectroscopic imaging. Proceedings of SPIE, 2012, , .	0.8	0
16	UAV-based multi-spectral environmental monitoring. Proceedings of SPIE, 2012, , .	0.8	5
17	Investigation of charge carrier dynamics in silicon wafers using terahertz imaging spectroscopy. , 2012, , .		2
18	Snapshot spectral imaging using optimized diffractive optical elements. Proceedings of SPIE, 2012, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Industrial Raman mapping spectroscopy for mining applications. , 2012, , .		1
20	Hyperspectral video endoscope for intra-surgery tissue classification using auto-fluorescence and reflectance spectroscopy. , 2011, , .		12
21	Near-infrared imaging spectroscopy for counterfeit drug detection. Proceedings of SPIE, 2011, , .	0.8	1
22	Detection of fire protection and mineral glasses in industrial recycling using Raman mapping spectroscopy. , 2011, , .		1
23	Snapshot spectral imaging demonstrator. Proceedings of SPIE, 2011, , .	0.8	0
24	SEDMI: Saliency based edge detection in multispectral images. Image and Vision Computing, 2011, 29, 546-556.	4.5	7
25	Hyper-Spectral Video Endoscope for Intra-Surgery Tissue Classification using Auto-Fluorescence and Reflectance Spectroscopy. , 2011, , .		2
26	High-sensitivity hyperspectral imager for biomedical video diagnostic applications. Proceedings of SPIE, 2010, , .	0.8	10
27	Detection of flexographic inks using NIR LCTF-based hyperspectral imaging. , 2010, , .		0
28	Snapshot spectral imaging system. , 2010, , .		0
29	Detecting and discriminating PE and PP polymers for plastics recycling using NIR imaging spectroscopy. , 2010, , .		6
30	UAV-based environmental monitoring using multi-spectral imaging. Proceedings of SPIE, 2010, , .	0.8	15
31	High-sensitivity hyper-spectral video endoscopy system for intra-surgical tissue classification. , 2010, , .		6
32	UAV-based multispectral environmental monitoring. , 2010, , .		8
33	Real-time detection of flame-retardant additives in polymers and polymer blends with NIR imaging spectroscopy. Proceedings of SPIE, 2009, , .	0.8	4
34	A Clustering Based Method for Edge Detection in Hyperspectral Images. Lecture Notes in Computer Science, 2009, , 580-587.	1.3	5
35	Segmentation and Classification of Hyper-Spectral Skin Data. Studies in Classification, Data Analysis, and Knowledge Organization, 2008, , 245-252.	0.2	4
36	Learning 3D Object Recognition from an Unlabelled and Unordered Training Set. , 2007, , 644-651.		1

#	ARTICLE	IF	CITATIONS
37	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
38	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