

Thomas Arnold

List of Publications by Year in descending order

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42
papers

283
citations

1163117

8
h-index

1058476

14
g-index

42
all docs

42
docs citations

42
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Inspection of Packaged Integrated Circuits using Terahertz Radiation. International Journal on Smart Sensing and Intelligent Systems, 2020, 7, 1-4.	0.7	0
2	Impurity detection in polymer parts for the semiconductor manufacturing industry. TM Technisches Messen, 2018, 85, 700-712.	0.7	0
3	Hyperspectral imaging: a novel approach for plant root phenotyping. Plant Methods, 2018, 14, 84.	4.3	53
4	Study of visible imaging and near-infrared imaging spectroscopy for plant root phenotyping. , 2018, , .		0
5	Study of near-infrared imaging spectroscopy for the inspection of peeled potato tubers. , 2018, , .		1
6	Near infrared hyperspectral imaging system for root phenotyping. , 2017, , .		2
7	Detection and identification of foreign bodies in polymer parts for use in semiconductor manufacturing. , 2017, , .		0
8	Stress-warping relation in thin film coated wafers. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 025005.	2.0	5
9	RGB and Spectral Root Imaging for Plant Phenotyping and Physiological Research: Experimental Setup and Imaging Protocols. Journal of Visualized Experiments, 2017, , .	0.3	22
10	Evaluation of an indirect slag level measurement for liquid steel. , 2017, , .		0
11	Non-contact measurement of silicon thin wafer warpage by THz tomography and laser triangulation. , 2016, , .		0
12	Application of NIR hyperspectral imaging for water distribution measurements in plant roots and soil. , 2016, , .		3
13	Simulating the warping of thin coated Si wafers using Ansys layered shell elements. Composite Structures, 2016, 140, 668-674.	5.8	22
14	Inspection of mechanical and electrical properties of silicon wafers using terahertz tomography and spectroscopy. , 2015, , .		1
15	Fluorescent marker-based and marker-free discrimination between healthy and cancerous human tissues using hyper-spectral imaging. Proceedings of SPIE, 2015, , .	0.8	1
16	Simulation of the deformation behaviour of large thin silicon wafers and comparison with experimental findings. , 2015, , .		2
17	Multi-spectral video endoscopy system for the detection of cancerous tissue. Pattern Recognition Letters, 2013, 34, 85-93.	4.2	44
18	Hyper-spectral video endoscopy system for intra-surgery tissue classification. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
19	UAV-based measurement of vegetation indices for environmental monitoring. , 2013, , .		26
20	Automated Analysis of Multi-Spectral M-FISH Images for Breast Carcinoma Staging. , 2013, , .		0
21	Optimisation of the diffractive optical element for snapshot spectral imaging used in fluorescence microscopy. Proceedings of SPIE, 2012, , .	0.8	0
22	Investigation of optically injected charge carrier dynamics in silicon wafers using terahertz spectroscopic imaging. Proceedings of SPIE, 2012, , .	0.8	0
23	UAV-based multi-spectral environmental monitoring. Proceedings of SPIE, 2012, , .	0.8	5
24	Investigation of charge carrier dynamics in silicon wafers using terahertz imaging spectroscopy. , 2012, , .		2
25	Snapshot spectral imaging using optimized diffractive optical elements. Proceedings of SPIE, 2012, , .	0.8	0
26	Industrial Raman mapping spectroscopy for mining applications. , 2012, , .		1
27	Hyperspectral video endoscope for intra-surgery tissue classification using auto-fluorescence and reflectance spectroscopy. , 2011, , .		12
28	Near-infrared imaging spectroscopy for counterfeit drug detection. Proceedings of SPIE, 2011, , .	0.8	1
29	Detection of fire protection and mineral glasses in industrial recycling using Raman mapping spectroscopy. , 2011, , .		1
30	UAV based Multi-spectral Imaging System for Environmental Monitoring. TM Technisches Messen, 2011, 78, 503-507.	0.7	12
31	Snapshot spectral imaging demonstrator. Proceedings of SPIE, 2011, , .	0.8	0
32	Hyper-Spectral Video Endoscope for Intra-Surgery Tissue Classification using Auto-Fluorescence and Reflectance Spectroscopy. , 2011, , .		2
33	High-sensitivity hyperspectral imager for biomedical video diagnostic applications. Proceedings of SPIE, 2010, , .	0.8	10
34	Detection of flexographic inks using NIR LCTF-based hyperspectral imaging. , 2010, , .		0
35	Snapshot spectral imaging system. , 2010, , .		0
36	Detecting and discriminating PE and PP polymers for plastics recycling using NIR imaging spectroscopy. , 2010, , .		6

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37	UAV-based environmental monitoring using multi-spectral imaging. Proceedings of SPIE, 2010, , .	0.8	15
38	High-sensitivity hyper-spectral video endoscopy system for intra-surgical tissue classification. , 2010, , .		6
39	UAV-based multispectral environmental monitoring. , 2010, , .		8
40	Performance Evaluation of Displacement Estimators for Real-Time Ultrasonic Strain and Blood Flow Imaging With Improved Spatial Resolution. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1275-1284.	4.7	13
41	Displacement Estimators for Real-Time Ultrasonic Strain and Blood Flow Imaging with Improved Spatial Resolution. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	2
42	Displacement Estimators for Real-Time Ultrasonic Strain and Blood Flow Imaging with Improved Spatial Resolution. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	2