

Oliver Wirjadi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

521
citations

933447

10
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple-image radiography. <i>Physics in Medicine and Biology</i> , 2003, 48, 3875-3895.	3.0	219
2	An Optimal Nonorthogonal Separation of the Anisotropic Gaussian Convolution Filter. <i>IEEE Transactions on Image Processing</i> , 2006, 15, 3501-3513.	9.8	36
3	Numerical prediction of the stiffness and strength of medium density fiberboards. <i>Mechanics of Materials</i> , 2014, 79, 73-84.	3.2	34
4	Beyond imaging: on the quantitative analysis of tomographic volume data. <i>International Journal of Materials Research</i> , 2012, 103, 217-227.	0.3	28
5	ESTIMATING FIBRE DIRECTION DISTRIBUTIONS OF REINFORCED COMPOSITES FROM TOMOGRAPHIC IMAGES. <i>Image Analysis and Stereology</i> , 2016, 35, 167.	0.9	28
6	Characterization of multilayer structures in fiber reinforced polymer employing synchrotron and laboratory X-ray CT. <i>International Journal of Materials Research</i> , 2014, 105, 645-654.	0.3	25
7	Non-destructive characterization of fiber orientation in reinforced SMC as input for simulation based design. <i>Composite Structures</i> , 2017, 160, 195-203.	5.8	23
8	Fiber Orientation Estimation from 3D Image Data: Practical Algorithms, Visualization, and Interpretation. , 2007, , .		22
9	Modeling of Ceramic Foams for Filtration Simulation. <i>Advanced Engineering Materials</i> , 2011, 13, 171-177.	3.5	20
10	Anisotropic Gaussian Filtering using Fixed Point Arithmetic. , 2006, , .		15
11	Estimation of the probability of finite percolation in porous microstructures from tomographic images. <i>International Journal of Materials Research</i> , 2012, 103, 184-191.	0.3	14
12	Fiber Orientation Estimation from 3D Image Data: Practical Algorithms, Visualization, and Interpretation. , 2007, , .		11
13	Estimation of fiber orientation and fiber bundles of MDF. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4003-4012.	3.1	10
14	Gaussian curvature using fundamental forms for binary voxel data. <i>Graphical Models</i> , 2015, 82, 123-136.	2.4	9
15	Image analysis for microstructures based on stochastic models. <i>GAMM Mitteilungen</i> , 2014, 37, 281-305.	5.5	8
16	Empirical Comparison of Curvature Estimators on Volume Images and Triangle Meshes. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 3032-3041.	4.4	6
17	A BRANCH AND BOUND ALGORITHM FOR FINDING THE MODES IN KERNEL DENSITY ESTIMATES. <i>International Journal of Computational Intelligence and Applications</i> , 2009, 08, 17-35.	0.8	4
18	Microstructural analysis of a C/SiC ceramic based on the segmentation of X-ray phase contrast tomographic data. <i>International Journal of Materials Research</i> , 2014, 105, 702-708.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Spatial Statistics for Tumor Cell Counting and Classification. Lecture Notes in Computer Science, 2009, , 492-501.	1.3	2
20	Geometric and Mechanical Modeling of Fiber-Reinforced Composites. , 2014, , 35-40.		2
21	Global Modes in Kernel Density Estimation: RAST Clustering. , 2007, , .		0
22	Global Modes in Kernel Density Estimation: RAST Clustering. , 2007, , .		0
23	Endpoint Detection of Partially Overlapping Straight Fibers using High Positive Gaussian Curvature in 3D images. Image Analysis and Stereology, 0, , .	0.9	0