Oliver Wirjadi

List of Publications by Year
in descending order

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	Empirical Comparison of Curvature Estimators on Volume Images and Triangle Meshes. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 3032-3041.	4.4	6
2	Non-destructive characterization of fiber orientation in reinforced SMC as input for simulation based design. Composite Structures, 2017, 160, 195-203.	5.8	23
3	Estimation of fiber orientation and fiber bundles of MDF. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4003-4012.	3.1	10
4	ESTIMATING FIBRE DIRECTION DISTRIBUTIONS OF REINFORCED COMPOSITES FROM TOMOGRAPHIC IMAGES. Image Analysis and Stereology, 2016, 35, 167.	0.9	28
5	Gaussian curvature using fundamental forms for binary voxel data. Graphical Models, 2015, 82, 123-136.	2.4	9
6	Microstructural analysis of a C/SiC ceramic based on the segmentation of X-ray phase contrast tomographic data. International Journal of Materials Research, 2014, 105, 702-708.	0.3	3
7	Image analysis for microstructures based on stochastic models. GAMM Mitteilungen, 2014, 37, 281-305.	5.5	8
8	Characterization of multilayer structures in fiber reinforced polymer employing synchrotron and laboratory X-ray CT. International Journal of Materials Research, 2014, 105, 645-654.	0.3	25
9	Numerical prediction of the stiffness and strength of medium density fiberboards. Mechanics of Materials, 2014, 79, 73-84.	3.2	34
10	Geometric and Mechanical Modeling of Fiber-Reinforced Composites. , 2014, , 35-40.		2
11	Estimation of the probability of finite percolation in porous microstructures from tomographic images. International Journal of Materials Research, 2012, 103, 184-191.	0.3	14
12	Beyond imaging: on the quantitative analysis of tomographic volume data. International Journal of Materials Research, 2012, 103, 217-227.	0.3	28
13	Modeling of Ceramic Foams for Filtration Simulation. Advanced Engineering Materials, 2011, 13, 171-177.	3.5	20
14	Spatial Statistics for Tumor Cell Counting and Classification. Lecture Notes in Computer Science, 2009, , 492-501.	1.3	2
15	A BRANCH AND BOUND ALGORITHM FOR FINDING THE MODES IN KERNEL DENSITY ESTIMATES. International Journal of Computational Intelligence and Applications, 2009, 08, 17-35.	0.8	4
16	Global Modes in Kernel Density Estimation: RAST Clustering. , 2007, , .		0
17	Fiber Orientation Estimation from 3D Image Data: Practical Algorithms, Visualization, and Interpretation. , 2007, , .		11
18	Fiber Orientation Estimation from 3D Image Data: Practical Algorithms, Visualization, and Interpretation. , 2007, , .		22

#	Article	IF	Citations
19	Global Modes in Kernel Density Estimation: RAST Clustering. , 2007, , .		0
20	Anisotropic Gaussian Filtering using Fixed Point Arithmetic. , 2006, , .		15
21	An Optimal Nonorthogonal Separation of the Anisotropic Gaussian Convolution Filter. IEEE Transactions on Image Processing, 2006, 15, 3501-3513.	9.8	36
22	Multiple-image radiography. Physics in Medicine and Biology, 2003, 48, 3875-3895.	3.0	219
23	Endpoint Detection of Partially Overlapping Straight Fibers using High Positive Gaussian Curvature in 3D images. Image Analysis and Stereology, 0, , .	0.9	0