

Guillaume Cerutti

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

415
citations

1307594

7
h-index

1474206

9
g-index

18
all docs

18
docs citations

18
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding leaves in natural images – A model-based approach for tree species identification. <i>Computer Vision and Image Understanding</i> , 2013, 117, 1482-1501.	4.7	96
2	Temporal integration of auxin information for the regulation of patterning. <i>ELife</i> , 2020, 9, .	6.0	94
3	Tree Leaves Extraction in Natural Images: Comparative Study of Preprocessing Tools and Segmentation Methods. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 1549-1560.	9.8	62
4	A Parametric Active Polygon for Leaf Segmentation and Shape Estimation. <i>Lecture Notes in Computer Science</i> , 2011, , 202-213.	1.3	39
5	Leaf margins as sequences: A structural approach to leaf identification. <i>Pattern Recognition Letters</i> , 2014, 49, 177-184.	4.2	27
6	Bark and leaf fusion systems to improve automatic tree species recognition. <i>Ecological Informatics</i> , 2018, 46, 57-73.	5.2	26
7	A model-based approach for compound leaves understanding and identification. , 2013, , .		20
8	Bark Recognition to Improve Leaf-based Classification in Didactic Tree Species Identification. , 2017, , .		10
9	Benchmarking of deep learning algorithms for 3D instance segmentation of confocal image datasets. <i>PLoS Computational Biology</i> , 2022, 18, e1009879.	3.2	10
10	Comparative study of segmentation methods for tree leaves extraction. , 2013, , .		9
11	DRACO-STEM: An Automatic Tool to Generate High-Quality 3D Meshes of Shoot Apical Meristem Tissue at Cell Resolution. <i>Frontiers in Plant Science</i> , 2017, 8, 353.	3.6	8
12	treex: a Python package for manipulating rooted trees. <i>Journal of Open Source Software</i> , 2019, 4, 1351.	4.6	5
13	Meshing Meristems - An Iterative Mesh Optimization Method for Modeling Plant Tissue at Cell Resolution. , 2015, , .		1
14	Segmentation algorithm on smartphone dual camera: application to plant organs in the wild. , 2018, , .		1
15	3-d Tessellation of Plant Tissue - A Dual Optimization Approach to Cell-Level Meristem Reconstruction from Microscopy Images. , 2015, , .		0