

Veronica Vilaplana Besler

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

968
citations

623734

14
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552781

26
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46
all docs

46
docs citations

46
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	8.9	165
2	Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2219-2230.	8.9	136
3	Multi-modal deep learning for Fuji apple detection using RGB-D cameras and their radiometric capabilities. Computers and Electronics in Agriculture, 2019, 162, 689-698.	7.7	102
4	Fruit detection and 3D location using instance segmentation neural networks and structure-from-motion photogrammetry. Computers and Electronics in Agriculture, 2020, 169, 105165.	7.7	90
5	Binary Partition Trees for Object Detection. IEEE Transactions on Image Processing, 2008, 17, 2201-2216.	9.8	79
6	Fruit detection in an apple orchard using a mobile terrestrial laser scanner. Biosystems Engineering, 2019, 187, 171-184.	4.3	69
7	Super-Resolution of Sentinel-2 Imagery Using Generative Adversarial Networks. Remote Sensing, 2020, 12, 2424.	4.0	49
8	Cascaded V-Net Using ROI Masks for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2018, , 381-391.	1.3	27
9	3D Convolutional Neural Networks for Brain Tumor Segmentation: A Comparison of Multi-resolution Architectures. Lecture Notes in Computer Science, 2016, , 150-161.	1.3	23
10	Prediction of amyloid pathology in cognitively unimpaired individuals using voxel-wise analysis of longitudinal structural brain MRI. Alzheimer's Research and Therapy, 2019, 11, 72.	6.2	23
11	KFuji RGB-DS database: Fuji apple multi-modal images for fruit detection with color, depth and range-corrected IR data. Data in Brief, 2019, 25, 104289.	1.0	23
12	Fuji-SfM dataset: A collection of annotated images and point clouds for Fuji apple detection and location using structure-from-motion photogrammetry. Data in Brief, 2020, 30, 105591.	1.0	23
13	MRI-Based Screening of Preclinical Alzheimer's Disease for Prevention Clinical Trials. Journal of Alzheimer's Disease, 2018, 64, 1099-1112.	2.6	18
14	MRI Brain Tumor Segmentation and Uncertainty Estimation Using 3D-UNet Architectures. Lecture Notes in Computer Science, 2021, , 376-390.	1.3	18
15	Face segmentation and tracking based on connected operators and partition projection. Pattern Recognition, 2002, 35, 601-614.	8.1	17
16	Caption text extraction for indexing purposes using a hierarchical region-based image model. , 2009, , .		13
17	Audio, Video and Multimodal Person Identification in a Smart Room. , 2006, , 258-269.		11
18	A Dual Network for Super-Resolution and Semantic Segmentation of Sentinel-2 Imagery. Remote Sensing, 2021, 13, 4547.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Region-based mean shift tracking: Application to face tracking. , 2008, , .		7
20	Single-Image Super-Resolution of Sentinel-2 Low Resolution Bands with Residual Dense Convolutional Neural Networks. Remote Sensing, 2021, 13, 5007.	4.0	7
21	Projection to Latent Spaces Disentangles Pathological Effects on Brain Morphology in the Asymptomatic Phase of Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 648.	2.4	6
22	Monte-Carlo Sampling Applied to Multiple Instance Learning for Histological Image Classification. Lecture Notes in Computer Science, 2018, , 274-281.	1.3	6
23	On Building a Hierarchical Region-Based Representation for Generic Image Analysis. , 2007, , .		5
24	Automatic keyframe selection based on mutual reinforcement algorithm. , 2013, , .		5
25	Measuring traffic lane-changing by converting video into space-time still images. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 488-505.	9.8	5
26	Automatic Extraction and Analysis of Visual Objects Information. , 2005, , 203-221.		4
27	Multiresolution co-clustering for uncalibrated multiview segmentation. Signal Processing: Image Communication, 2019, 76, 151-166.	3.2	4
28	Region-Based Caption Text Extraction. Lecture Notes in Electrical Engineering, 2013, , 21-36.	0.4	4
29	Saliency maps on image hierarchies. Signal Processing: Image Communication, 2015, 38, 84-99.	3.2	3
30	Region-Based Hierarchical Representation for Object Detection. , 2007, , .		2
31	Face tracking using a region-based mean-shift algorithm with adaptive object and background models. , 2009, , .		2
32	Object detection and segmentation on a hierarchical region-based image representation. , 2010, , .		2
33	Face Location and Recognition for Video Indexing in the Hypermedia Project. Lecture Notes in Computer Science, 1999, , 364-377.	1.3	2
34	Face Recognition using Groups of Images in Smart Room Scenarios. , 2006, , .		1
35	Salient object detection on a hierarchy of image partitions. , 2013, , .		1
36	Shared Latent Structures Between Imaging Features and Biomarkers in Early Stages of Alzheimer's Disease: A Predictive Study. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 365-376.	6.3	1

#	ARTICLE	IF	CITATIONS
37	Comparative study of upsampling methods for super-resolution in remote sensing. , 2020, , .		1
38	Face and Speech Interaction. , 2008, , 85-117.		1
39	Improving retrieval accuracy of Hierarchical Cellular Trees for generic metric spaces. Multimedia Tools and Applications, 2014, 73, 1983-2008.	3.9	0
40	Improving spatial codification in semantic segmentation. , 2015, , .		0
41	Picking Groups Instead of Samples: A Close Look at Static Pool-Based Meta-Active Learning. , 2019, , .		0
42	NeAT: a Nonlinear Analysis Toolbox for Neuroimaging. Neuroinformatics, 2020, 18, 517-530.	2.8	0
43	Image and Video Processing Tools for HCI. , 2010, , 93-118.		0