

Constantin Pape

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,206
citations

687363

13
h-index

888059

17
g-index

32
all docs

32
docs citations

32
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative Imaging Reveals SARS-CoV-2-Induced Reshaping of Subcellular Morphologies. <i>Cell Host and Microbe</i> , 2020, 28, 853-866.e5.	11.0	213
2	Accurate and versatile 3D segmentation of plant tissues at cellular resolution. <i>ELife</i> , 2020, 9, .	6.0	155
3	Multicut brings automated neurite segmentation closer to human performance. <i>Nature Methods</i> , 2017, 14, 101-102.	19.0	126
4	Prevalence of SARS-CoV-2 Infection in Children and Their Parents in Southwest Germany. <i>JAMA Pediatrics</i> , 2021, 175, 586.	6.2	124
5	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. <i>Science</i> , 2021, 374, 717-723.	12.6	111
6	OME-NGFF: a next-generation file format for expanding bioimaging data-access strategies. <i>Nature Methods</i> , 2021, 18, 1496-1498.	19.0	81
7	Whole-body integration of gene expression and single-cell morphology. <i>Cell</i> , 2021, 184, 4819-4837.e22.	28.9	65
8	Volume electron microscopy. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	46
9	Synaptic Cleft Segmentation in Non-isotropic Volume Electron Microscopy of the Complete <i>Drosophila</i> Brain. <i>Lecture Notes in Computer Science</i> , 2018, , 317-325.	1.3	45
10	The Mutex Watershed: Efficient, Parameter-Free Image Partitioning. <i>Lecture Notes in Computer Science</i> , 2018, , 571-587.	1.3	30
11	The Mutex Watershed and its Objective: Efficient, Parameter-Free Graph Partitioning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 3724-3738.	13.9	23
12	Microscopy-based assay for semi-quantitative detection of SARS-CoV-2 specific antibodies in human sera. <i>BioEssays</i> , 2021, 43, e2000257.	2.5	22
13	Solving Large Multicut Problems for Connectomics via Domain Decomposition. , 2017, , .		20
14	Leveraging Domain Knowledge to Improve Microscopy Image Segmentation With Lifted Multicuts. <i>Frontiers in Computer Science</i> , 2019, 1, .	2.8	20
15	The Semantic Mutex Watershed for Efficient Bottom-Up Semantic Instance Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, , 208-224.	1.3	8
16	Prevalence of SARS-CoV-2 Infection in Children and Their Parents in Southwest Germany. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
17	From Shallow to Deep: Exploiting Feature-Based Classifiers for Domain Adaptation in Semantic Segmentation. <i>Frontiers in Computer Science</i> , 2022, 4, .	2.8	4
18	Proposal-Free Volumetric Instance Segmentation from Latent Single-Instance Masks. <i>Lecture Notes in Computer Science</i> , 2021, , 331-344.	1.3	1

#	ARTICLE	IF	CITATIONS
19	MoBIE: A free and open-source platform for integration and cloud-based sharing of multi-modal correlative big image data. <i>Microscopy and Microanalysis</i> , 2021, 27, 2588-2589.	0.4	1
20	Whole Body Integration of Gene Expression and Morphology Using Correlative Volume EM. <i>Microscopy and Microanalysis</i> , 2020, 26, 1044-1045.	0.4	0
21	Synthetic Patches, Real Images: Screening for Centrosome Aberrations in EM Images of Human Cancer Cells. <i>Lecture Notes in Computer Science</i> , 2019, , 523-531.	1.3	0