

Patrick Trampert

List of Publications by Year in descending order

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25
papers

163
citations

1163117

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1199594

12
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26
all docs

26
docs citations

26
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Neural Networks for Analysis of Microscopy Images – Synthetic Data Generation and Adaptive Sampling. Crystals, 2021, 11, 258.	2.2	15
2	Correlative Fluorescence- and Electron Microscopy of Whole Breast Cancer Cells Reveals Different Distribution of ErbB2 Dependent on Underlying Actin. Frontiers in Cell and Developmental Biology, 2020, 8, 521.	3.7	4
3	Sparse Scanning Electron Microscopy Data Acquisition and Deep Neural Networks for Automated Segmentation in Connectomics. Microscopy and Microanalysis, 2020, 26, 403-412.	0.4	8
4	An Adaptive Sparse Sampling Scheme for Scanning Electron Microscopy using Delauney Triangulation. Microscopy and Microanalysis, 2019, 25, 154-155.	0.4	1
5	Deep Learning for Sparse Scanning Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 158-159.	0.4	4
6	Sparse Scanning Electron Microscopy and Deep Learning for Imaging and Segmentation of Neuron Structures. Microscopy and Microanalysis, 2019, 25, 196-197.	0.4	3
7	Application of Missing Wedge Inpainting in Material Science. Microscopy and Microanalysis, 2019, 25, 440-441.	0.4	0
8	Sparse and Adaptive Sampling in Scanning Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 29-30.	0.4	1
9	How should a fixed budget of dwell time be spent in scanning electron microscopy to optimize image quality?. Ultramicroscopy, 2018, 191, 11-17.	1.9	21
10	Fact or Fiction: Maximal Image Quality with Minimal Dwell Time. Microscopy and Microanalysis, 2018, 24, 480-481.	0.4	0
11	Blob-based Algebraic Reconstruction Technique for Computed Laminography. Microscopy and Microanalysis, 2018, 24, 994-995.	0.4	0
12	Sparse Scanning Electron Microscopy for Imaging and Segmentation in Connectomics. , 2018, , .		3
13	Exemplar-Based Inpainting Based on Dictionary Learning for Sparse Scanning Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 700-701.	0.4	8
14	Linear Chains of HER2 Receptors Found in the Plasma Membrane Using Liquid-Phase Electron Microscopy. Biophysical Journal, 2018, 115, 503-513.	0.5	10
15	Exemplar-based inpainting as a solution to the missing wedge problem in electron tomography. Ultramicroscopy, 2018, 191, 1-10.	1.9	11
16	High-Throughput Large Volume SEM Workflow using Sparse Scanning and In-painting Algorithms Inspired by Compressive Sensing. Microscopy and Microanalysis, 2017, 23, 150-151.	0.4	9
17	Spherically symmetric volume elements as basis functions for image reconstructions in computed laminography. Journal of X-Ray Science and Technology, 2017, 25, 533-546.	1.0	5
18	A Comparative Study of Three Marker Detection Algorithms in Electron Tomography. Microscopy and Microanalysis, 2016, 22, 1044-1045.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Dictionary-based Filling of the Missing Wedge in Electron Tomography. <i>Microscopy and Microanalysis</i> , 2016, 22, 554-555.	0.4	4
20	Advanced recording schemes for electron tomography. <i>MRS Bulletin</i> , 2016, 41, 537-541.	3.5	3
21	“Smart Microscopy” Feature Based Adaptive Sampling for Focused Ion Beam Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 632-633.	0.4	0
22	Feature Adaptive Sampling for Scanning Electron Microscopy. <i>Scientific Reports</i> , 2016, 6, 25350.	3.3	28
23	The Ettention software package. <i>Ultramicroscopy</i> , 2016, 161, 110-118.	1.9	15
24	Marker Detection in Electron Tomography: A Comparative Study. <i>Microscopy and Microanalysis</i> , 2015, 21, 1591-1601.	0.4	5
25	Ettention: Building Blocks for Iterative Reconstruction Algorithms. <i>Microscopy and Microanalysis</i> , 2015, 21, 1601-1602.	0.4	1