

# Michal Krumnikl

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

86  
citations

2258059

3  
h-index

1474206

9  
g-index

29  
all docs

29  
docs citations

29  
times ranked

156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging plant germline differentiation within Arabidopsis flowers by light sheet microscopy. ELife, 2020, 9, .	6.0	48
2	SPIM workflow manager for HPC. Bioinformatics, 2019, 35, 3875-3876.	4.1	1
3	Performance of User Data Collections Uploads to HPCaaS Infrastructure. Lecture Notes in Computer Science, 2019, , 359-369.	1.3	0
4	Scijava Interface for Parallel Execution in the ImageJ Ecosystem. Lecture Notes in Computer Science, 2018, , 288-299.	1.3	2
5	Developing Countermeasures against Cloning of Identity Tokens in Legacy Systems. Lecture Notes in Computer Science, 2017, , 672-684.	1.3	0
6	Calibration of Short Range 2D Laser Range Finder for 3D SLAM Usage. Journal of Sensors, 2016, 2016, 1-13.	1.1	16
7	Neural Network Classification of SDR Signal Modulation. Lecture Notes in Computer Science, 2016, , 160-171.	1.3	0
8	The Radio Direction Finding with Advantage of the Software Defined Radio. Lecture Notes in Computer Science, 2016, , 720-728.	1.3	5
9	Process of Point Clouds Merging for Mapping of a Robot's Working Environment. Lecture Notes in Computer Science, 2016, , 251-264.	1.3	0
10	Sine Inverter Controller with 8 Bit Microcontroller. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.3	0
11	Microcontroller Peripheral Mapping Used to Control RGB LED Panel. IFAC-PapersOnLine, 2015, 48, 436-441.	0.9	1
12	Fuzzy C-Means Stereo Segmentation. Lecture Notes in Computer Science, 2015, , 35-49.	1.3	0
13	Advances in the development of an imaging device for plaque measurement in the area of the carotid artery. Biotechnology and Biotechnological Equipment, 2014, 28, 355-359.	1.3	1
14	A New Level-Set Based Algorithm for Bimodal Depth Segmentation. Lecture Notes in Computer Science, 2012, , 225-236.	1.3	0
15	Image Segmentation Based on k-Means Clustering and Energy-Transfer Proximity. Lecture Notes in Computer Science, 2011, , 567-577.	1.3	1
16	On the Usability of Vehicle-to-Roadside Communications Using IEEE 802.11b/g Unplanned Wireless Networks. Communications in Computer and Information Science, 2011, , 167-177.	0.5	1
17	Image Segmentation Based on Electrical Proximity in a Resistor-Capacitor Network. Lecture Notes in Computer Science, 2011, , 216-227.	1.3	1
18	Software Controlled High Efficient and Accurate Microstepping Unit for Embedded Systems. Communications in Computer and Information Science, 2011, , 138-146.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Blurring Mean-Shift with a Restricted Data-Set Modification for Applications in Image Processing. Lecture Notes in Computer Science, 2010, , 310-319.	1.3	0
20	Fast Mean Shift Algorithm Based on Discretisation and Interpolation. Lecture Notes in Computer Science, 2010, , 402-413.	1.3	0
21	Stereo Matching in Mean Shift Attractor Space. Lecture Notes in Computer Science, 2010, , 465-473.	1.3	0
22	Three-Dimensional Reconstruction of Macroscopic Features in Biological Materials. Communications in Computer and Information Science, 2010, , 225-234.	0.5	1
23	Active contours without edges and without reinitialisation. , 2009, , .		0
24	Active Contours without Edges and with Simple Shape Priors. Lecture Notes in Computer Science, 2008, , 730-741.	1.3	2
25	A New Method for Bryophyte Canopy Analysis Based on 3D Surface Reconstruction. , 2008, , .		2
26	Face Detection by DSP Using Directly Connected Camera. , 2007, , .		1