

Baraka Jacob Maiseli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6008908/publications.pdf>

Version: 2024-02-01

25
papers

266
citations

1163117

8
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments and trends in point set registration methods. Journal of Visual Communication and Image Representation, 2017, 46, 95-106.	2.8	97
2	A noise-suppressing and edge-preserving multiframe super-resolution image reconstruction method. Signal Processing: Image Communication, 2015, 34, 1-13.	3.2	27
3	Early identification of Tuta absoluta in tomato plants using deep learning. Scientific African, 2020, 10, e00590.	1.5	27
4	A multi-frame super-resolution method based on the variable-exponent nonlinear diffusion regularizer. Eurasip Journal on Image and Video Processing, 2015, 2015, .	2.6	16
5	A robust super-resolution method with improved high-frequency components estimation and aliasing correction capabilities. Journal of the Franklin Institute, 2014, 351, 513-527.	3.4	14
6	Edge preservation image enlargement and enhancement method based on the adaptive Perona&Malik non-linear diffusion model. IET Image Processing, 2014, 8, 753-760.	2.5	12
7	Robust edge detector based on anisotropic diffusion-driven process. Information Processing Letters, 2016, 116, 373-378.	0.6	12
8	Optimum design of chamfer masks using symmetric mean absolute percentage error. Eurasip Journal on Image and Video Processing, 2019, 2019, .	2.6	10
9	Perona&Malik model with self-adjusting shape-defining constant. Information Processing Letters, 2018, 137, 26-32.	0.6	8
10	Hausdorff Distance with Outliers and Noise Resilience Capabilities. SN Computer Science, 2021, 2, 1.	3.6	7
11	Adaptive Charbonnier superresolution method with robust edge preservation capabilities. Journal of Electronic Imaging, 2013, 22, 043027.	0.9	6
12	An automatic and cost-effective parasitemia identification framework for low-end microscopy imaging devices. , 2014, , .		5
13	Exploring pilot assignment methods for pilot contamination mitigation in massive MIMO systems. Cogent Engineering, 2020, 7, 1831126.	2.2	5
14	Cost&effective and accurate palm vein recognition system based on multiframe super&resolution algorithms. IET Biometrics, 2020, 9, 118-125.	2.5	4
15	Diffusion-Driven Image Denoising Model with Texture Preservation Capabilities. Journal of Signal Processing Systems, 2021, 93, 937-949.	2.1	4
16	On the convexification of the Perona&Malik diffusion model. Signal, Image and Video Processing, 2020, 14, 1283-1291.	2.7	3
17	Fast sparse image reconstruction method in through-the-wall radars using limited memory Broyden&Fletcher&Goldfarb&Shanno algorithm. International Journal of Microwave and Wireless Technologies, 2022, 14, 739-749.	1.9	3
18	Diffusion&steered super&resolution method based on the Papoulis&Gerchberg algorithm. IET Image Processing, 2016, 10, 683-692.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Robust cost function for optimizing chamfer masks. Visual Computer, 2018, 34, 617-632.	3.5	2
20	Collaborative Development and Utilization of iLabs in East Africa. , 2012, , 108-122.		2
21	L _{inf} -TV model for structure extraction with end-to-end contour learning. , 2017, , .		0
22	Maintenance Automation Architecture and Electrical Equipment Fault Prediction Method in Tanzania Secondary Distribution Networks. Tanzania Journal of Science, 2021, 47, 1138-1153.	0.3	0
23	Analysis of Precoding-Based Pilot Decontamination Methods in Massive MIMO Systems. Advances in Intelligent Systems and Computing, 2021, , 103-110.	0.6	0
24	Edge-Preserving Multiframe Image Super-Resolution Methods Under Anisotropic Diffusion Framework. SN Computer Science, 2022, 3, .	3.6	0
25	Optimization of chamfer masks using Farey sequences and kernel dimensionality. Scientific Reports, 2022, 12, 7639.	3.3	0