Baraka Jacob Maiseli

List of Publications by Year
in descending order

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	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
2	Edge-Preserving Multiframe Image Super-Resolution Methods Under Anisotropic Diffusion Framework. SN Computer Science, 2022, 3, .	3.6	0
3	Optimization of chamfer masks using Farey sequences and kernel dimensionality. Scientific Reports, 2022, 12, 7639.	3.3	0
4	Diffusion-Driven Image Denoising Model with Texture Preservation Capabilities. Journal of Signal Processing Systems, 2021, 93, 937-949.	2.1	4
5	Hausdorff Distance with Outliers and Noise Resilience Capabilities. SN Computer Science, 2021, 2, 1.	3.6	7
6	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
7	Analysis of Precoding-Based Pilot Decontamination Methods in Massive MIMO Systems. Advances in Intelligent Systems and Computing, 2021, , 103-110.	0.6	0
8	Early identification of Tuta absoluta in tomato plants using deep learning. Scientific African, 2020, 10, e00590.	1.5	27
9	Exploring pilot assignment methods for pilot contamination mitigation in massive MIMO systems. Cogent Engineering, 2020, 7, 1831126.	2.2	5
10	Cost-effective and accurate palm vein recognition system based on multiframe super-resolution algorithms. IET Biometrics, 2020, 9, 118-125.	2.5	4
11	On the convexification of the Perona–Malik diffusion model. Signal, Image and Video Processing, 2020, 14, 1283-1291.	2.7	3
12	Optimum design of chamfer masks using symmetric mean absolute percentage error. Eurasip Journal on Image and Video Processing, 2019, 2019, .	2.6	10
13	Perona–Malik model with self-adjusting shape-defining constant. Information Processing Letters, 2018, 137, 26-32.	0.6	8
14	Robust cost function for optimizing chamfer masks. Visual Computer, 2018, 34, 617-632.	3.5	2
15	Recent developments and trends in point set registration methods. Journal of Visual Communication and Image Representation, 2017, 46, 95-106.	2.8	97
16	L$_p$-TV model for structure extraction with end-to-end contour learning. , 2017, , .		0
17	Diffusion-steered super-resolution method based on the Papoulis–Gerchberg algorithm. IET Image Processing, 2016, 10, 683-692.	2.5	2
18	Robust edge detector based on anisotropic diffusion-driven process. Information Processing Letters, 2016, 116, 373-378.	0.6	12

#	Article	IF	Citations
19	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
20	A noise-suppressing and edge-preserving multiframe super-resolution image reconstruction method. Signal Processing: Image Communication, 2015, 34, 1-13.	3.2	27
21	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
22	An automatic and cost-effective parasitemia identification framework for low-end microscopy imaging devices. , 2014, , .		5
23	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
24	Adaptive Charbonnier superresolution method with robust edge preservation capabilities. Journal of Electronic Imaging, 2013, 22, 043027.	0.9	6
25	Collaborative Development and Utilization of iLabs in East Africa. , 2012, , 108-122.		2