Selam T Ahderom

List of Publications by Year
in descending order

15 papers	159 citations	1684188 5 h-index	1872680 6 g-index
15 all docs	15 docs citations	15 times ranked	126 citing authors

#	Article	IF	Citations
1	A novel method for detecting morphologically similar crops and weeds based on the combination of contour masks and filtered Local Binary Pattern operators. GigaScience, 2020, 9, .	6.4	31
2	Simulation of biomedical signals and images using Monte Carlo methods for training of deep learning networks. , 2020, , 213-236.		1
3	Performances of the LBP Based Algorithm over CNN Models for Detecting Crops and Weeds with Similar Morphologies. Sensors, 2020, 20, 2193.	3.8	31
4	Application of spectral reflectance for increasing plant discrimination speed in precision agriculture. , 2019, , .		0
5	Hybrid RF/optical-coherence-tomography catheter for tissue monitoring during Atrial Fibrillation (AF) ablation procedures. , 2019, , .		0
6	Plant discrimination by Support Vector Machine classifier based on spectral reflectance. Computers and Electronics in Agriculture, 2018, 148, 250-258.	7.7	61
7	An Opto-VLSI-based reconfigurable optical adddrop multiplexer employing an off-axis 4-f imaging system. Optics Express, 2009, 17, 14015.	3.4	4
8	MicroPhotonic reconfigurable RF signal processor. Microwave and Optical Technology Letters, 2004, 42, 54-58.	1.4	0
9	Microphotonic interference mitigation filter for radio astronomy telescopes. , 2004, 5277, 73.		0
10	Tunable optical filters employing microphotonics. , 2004, , .		0
11	Reconfigurable Add/Drop Multiplexing Topology Employing Adaptive MicroPhotonic Technology. Lecture Notes in Computer Science, 2004, , 813-820.	1.3	0
12	Integrated Optical Routing Topology for MicroPhotonic Switches. Lecture Notes in Computer Science, 2004, , 848-854.	1.3	0
13	Dynamic WDM equalizer using opto-VLSI beam processing. IEEE Photonics Technology Letters, 2003, 15, 1603-1605.	2.5	24
14	Opto-VLSI multiband tunable optical filter. Electronics Letters, 2003, 39, 1533.	1.0	6
15	A Statistical Approach to Provide Explainable Convolutional Neural Network Parameter Optimization. International Journal of Computational Intelligence Systems, 0, , .	2.7	1