

Rasmus Nyholm JÃ¸rgensen

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

974
citations

516710

16
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

1221
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Assessment of Region-Based CNNs for Detecting Monocot/Dicot Weeds in Dense Field Environments. <i>Agronomy</i> , 2022, 12, 1167.	3.0	6
2	Site-specific weed management constraints and opportunities for the weed research community: Insights from a workshop. <i>Weed Research</i> , 2021, 61, 147-153.	1.7	17
3	Development of pixel-wise U-Net model to assess performance of cereal sowing. <i>Biosystems Engineering</i> , 2021, 208, 260-271.	4.3	8
4	Robust Species Distribution Mapping of Crop Mixtures Using Color Images and Convolutional Neural Networks. <i>Sensors</i> , 2021, 21, 175.	3.8	8
5	Weed Classification Using Explainable Multi-Resolution Slot Attention. <i>Sensors</i> , 2021, 21, 6705.	3.8	5
6	Crop Type Classification based on Machine Learning with Multitemporal Sentinel-1 Data. , 2020, , .		3
7	Open Plant Phenotype Database of Common Weeds in Denmark. <i>Remote Sensing</i> , 2020, 12, 1246.	4.0	31
8	Initial evaluation of enriching satellite imagery using sparse proximal sensing in precision farming. , 2020, , .		0
9	Generating artificial images of plant seedlings using generative adversarial networks. <i>Biosystems Engineering</i> , 2019, 187, 147-159.	4.3	26
10	A Novel Spatio-Temporal FCN-LSTM Network for Recognizing Various Crop Types Using Multi-Temporal Radar Images. <i>Remote Sensing</i> , 2019, 11, 990.	4.0	59
11	Preprocessed Sentinel-1 Data via a Web Service Focused on Agricultural Field Monitoring. <i>IEEE Access</i> , 2019, 7, 65139-65149.	4.2	4
12	Disentangling Information in Artificial Images of Plant Seedlings Using Semi-Supervised GAN. <i>Remote Sensing</i> , 2019, 11, 2671.	4.0	3
13	Sparse-to-Dense Depth Completion in Precision Farming. , 2019, , .		2
14	Multi-Modal Detection and Mapping of Static and Dynamic Obstacles in Agriculture for Process Evaluation. <i>Frontiers in Robotics and AI</i> , 2018, 5, 28.	3.2	11
15	Weed Growth Stage Estimator Using Deep Convolutional Neural Networks. <i>Sensors</i> , 2018, 18, 1580.	3.8	68
16	A Novel Locating System for Cereal Plant Stem Emerging Points™ Detection Using a Convolutional Neural Network. <i>Sensors</i> , 2018, 18, 1611.	3.8	5
17	Preliminary Results of Clover and Grass Coverage and Total Dry Matter Estimation in Clover-Grass Crops Using Image Analysis. <i>Journal of Imaging</i> , 2017, 3, 59.	3.0	8
18	FieldSAFE: Dataset for Obstacle Detection in Agriculture. <i>Sensors</i> , 2017, 17, 2579.	3.8	52

#	ARTICLE	IF	CITATIONS
19	Designing and Testing a UAV Mapping System for Agricultural Field Surveying. <i>Sensors</i> , 2017, 17, 2703.	3.8	132
20	Estimation of the Botanical Composition of Clover-Grass Leys from RGB Images Using Data Simulation and Fully Convolutional Neural Networks. <i>Sensors</i> , 2017, 17, 2930.	3.8	31
21	Using Deep Learning to Challenge Safety Standard for Highly Autonomous Machines in Agriculture. <i>Journal of Imaging</i> , 2016, 2, 6.	3.0	48
22	Dicotyledon Weed Quantification Algorithm for Selective Herbicide Application in Maize Crops. <i>Sensors</i> , 2016, 16, 1848.	3.8	19
23	DeepAnomaly: Combining Background Subtraction and Deep Learning for Detecting Obstacles and Anomalies in an Agricultural Field. <i>Sensors</i> , 2016, 16, 1904.	3.8	104
24	Robotic Design Choice Overview Using Co-Simulation and Design Space Exploration. <i>Robotics</i> , 2015, 4, 398-420.	3.5	6
25	Towards an Open Software Platform for Field Robots in Precision Agriculture. <i>Robotics</i> , 2014, 3, 207-234.	3.5	35
26	Automated Detection and Recognition of Wildlife Using Thermal Cameras. <i>Sensors</i> , 2014, 14, 13778-13793.	3.8	106
27	Statistics-based segmentation using a continuous-scale naive Bayes approach. <i>Computers and Electronics in Agriculture</i> , 2014, 109, 271-277.	7.7	8
28	Seedling Discrimination with Shape Features Derived from a Distance Transform. <i>Sensors</i> , 2013, 13, 5585-5602.	3.8	16
29	Estimating the plant stem emerging points (PSEPs) of sugar beets at early growth stages. <i>Biosystems Engineering</i> , 2012, 111, 83-90.	4.3	17
30	Performance evaluation of a crop/weed discriminating microsprayer. <i>Computers and Electronics in Agriculture</i> , 2011, 77, 35-40.	7.7	29
31	Monitoring and modeling temperature variations inside silage stacks using novel wireless sensor networks. <i>Computers and Electronics in Agriculture</i> , 2009, 69, 149-157.	7.7	57
32	N ₂ O emission immediately after rainfall in a dry stubble field. <i>Soil Biology and Biochemistry</i> , 1998, 30, 545-546.	8.8	41
33	Field-scale and laboratory study of factors affecting N ₂ O emissions from a rye stubble field on sandy loam soil. <i>Biology and Fertility of Soils</i> , 1997, 25, 366-371.	4.3	9