

Mark F Hansen

List of Publications by Year in descending order

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20
papers

646
citations

1040056

9
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision based Semantic Runway Segmentation from Simulation with Deep Convolutional Neural Networks. , 2022, , .		1
2	Integrating Throttle into a Reinforcement Learning Controller for a Perched Landing of a Variable Sweep Wing UAV. , 2022, , .		1
3	Towards Machine Vision for Insect Welfare Monitoring and Behavioural Insights. Frontiers in Veterinary Science, 2022, 9, 835529.	2.2	6
4	Towards Facial Expression Recognition for On-Farm Welfare Assessment in Pigs. Agriculture (Switzerland), 2021, 11, 847.	3.1	10
5	The quiet revolution in machine vision - a state-of-the-art survey paper, including historical review, perspectives, and future directions. Computers in Industry, 2021, 130, 103472.	9.9	79
6	Image segmentation of underfloor scenes using a mask regions convolutional neural network with two-stage transfer learning. Automation in Construction, 2020, 113, 103118.	9.8	24
7	Surface Normals Based Landmarking for 3D Face Recognition Using Photometric Stereo Captures. , 2019, , .		0
8	A photometric stereo-based 3D imaging system using computer vision and deep learning for tracking plant growth. GigaScience, 2019, 8, .	6.4	62
9	Multispectral imaging for presymptomatic analysis of light leaf spot in oilseed rape. Plant Methods, 2019, 15, 4.	4.3	28
10	Innovative 3D and 2D machine vision methods for analysis of plants and crops in the field. Computers in Industry, 2018, 97, 122-131.	9.9	28
11	Towards on-farm pig face recognition using convolutional neural networks. Computers in Industry, 2018, 98, 145-152.	9.9	203
12	Photometric stereo for three-dimensional leaf venation extraction. Computers in Industry, 2018, 98, 56-67.	9.9	13
13	Broad-Leaf Weed Detection in Pasture. , 2018, , .		25
14	Early and non-intrusive lameness detection in dairy cows using 3-dimensional video. Biosystems Engineering, 2017, 153, 63-69.	4.3	73
15	Long-range concealed object detection through active covert illumination. , 2015, , .		1
16	The Photoface database. , 2011, , .		29
17	A efficient and practical 3D face scanner using near infrared and visible photometric stereo. Procedia Computer Science, 2010, 2, 11-19.	2.0	3
18	Baseline face recognition using photometric stereo data. Procedia Computer Science, 2010, 2, 20-25.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Biologically inspired 3D face recognition from surface normals. <i>Procedia Computer Science</i> , 2010, 2, 26-34.	2.0	2
20	3D face reconstructions from photometric stereo using near infrared and visible light. <i>Computer Vision and Image Understanding</i> , 2010, 114, 942-951.	4.7	53