

Pravakar Roy

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

335
citations

1478505

6
h-index

1720034

7
g-index

12
all docs

12
docs citations

12
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of fruit detection and counting methods for yield mapping in apple orchards. Journal of Field Robotics, 2020, 37, 263-282.	6.0	95
2	MinneApple: A Benchmark Dataset for Apple Detection and Segmentation. IEEE Robotics and Automation Letters, 2020, 5, 852-858.	5.1	67
3	Semantic mapping for orchard environments by merging two sides reconstructions of tree rows. Journal of Field Robotics, 2020, 37, 97-121.	6.0	43
4	Ellipse R-CNN: Learning to Infer Elliptical Object From Clustering and Occlusion. IEEE Transactions on Image Processing, 2021, 30, 2193-2206.	9.8	41
5	Vision-based preharvest yield mapping for apple orchards. Computers and Electronics in Agriculture, 2019, 164, 104897.	7.7	32
6	Surveying apple orchards with a monocular vision system. , 2016, , .		15
7	Apple Counting using Convolutional Neural Networks. , 2018, , .		13
8	Active view planning for counting apples in orchards. , 2017, , .		8
9	Registering Reconstructions of the Two Sides of Fruit Tree Rows. , 2018, , .		8
10	Semantic Mapping of Orchards**This work is supported in part by NRI Award 1525045, RI Large Award 1111638, NSF Award 1317788, USDA Award MIN-98-G02 and the MnDrive initiative.. IFAC-PapersOnLine, 2016, 49, 85-89.	0.9	7
11	Vision-Based Apple Counting and Yield Estimation. Springer Proceedings in Advanced Robotics, 2017, , 478-487.	1.3	4
12	Self-adaptive genetically programmed differential evolution. , 2012, , .		2