Boaz Zion

List of Publications by Year
in descending order

24 papers	587 citations

840776
11 h-index	24 g-index

610901

24 all docs	24 docs citations

24 times ranked	496 citing authors

#	Article	IF	Citations
1	The use of computer vision technologies in aquaculture – A review. Computers and Electronics in Agriculture, 2012, 88, 125-132.	7.7	192
2	Real-time underwater sorting of edible fish species. Computers and Electronics in Agriculture, 2007, 56, 34-45.	7.7	86
3	Detection of bruises in magnetic resonance images of apples. Computers and Electronics in Agriculture, 1995, 13, 289-299.	7.7	54
4	Fruit Internal Quality Evaluation using On-line Nuclear Magnetic Resonance Sensors. Biosystems Engineering, 1999, 74, 293-301.	0.4	36
5	Classification of guppies' (Poecilia reticulata) gender by computer vision. Aquacultural Engineering, 2008, 38, 97-104.	3.1	29
6	Nondestructive quality evaluation of fresh prunes by NMR spectroscopy. Journal of the Science of Food and Agriculture, 1995, 67, 423-429.	3.5	20
7	Ranching fish using acoustic conditioning: Has it reached a dead end?. Aquaculture, 2012, 344-349, 3-11.	3.5	19
8	Retention of acoustic conditioning in St Peter's fish Sarotherodon galilaeus. Journal of Fish Biology, 2011, 78, 838-847.	1.6	18
9	Mechanical harvesting of olives–An operations study. Israel Journal of Plant Sciences, 2011, 59, 71-84.	0.5	16
10	Periodic reinforcement of acoustically conditioned behavior in St. Peter's fish, Sarotherodon galilaeus, for ranching purposes. Aquaculture, 2011, 315, 394-399.	3.5	12
11	Determination of robotic melon harvesting efficiency: a probabilistic approach. International Journal of Production Research, 2016, 54, 3216-3228.	7.5	12
12	Combinatorial Optimization and Performance Analysis of a Multi-arm Cartesian Robotic Fruit Harvester–Extensions of Graph Coloring. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 399-411.	3.4	12
13	Ornamental fish counting by non-imaging optical system for real-time applications. Computers and Electronics in Agriculture, 2018, 153, 126-133.	7.7	12
14	Generalization and discrimination of positive and negative acoustic stimuli in the common carp (Cyprinus carpio). Behavioural Processes, 2010, 83, 306-310.	1.1	11
15	An automatic fishing machine based on acoustic conditioning. Aquacultural Engineering, 2011, 45, 87-91.	3.1	11
16	Ranching acoustically conditioned fish using an automatic fishing machine. Aquaculture, 2012, 330-333, 136-141.	3.5	11
17	<i><scp>C</scp>yperus rotundus</i> control using a mechanical digger and solar radiation. Weed Research, 2015, 55, 42-50.	1.7	10
18	Using attraction to light to decrease cannibalism and increase fry production in guppy (<i>Poecilia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Research, 2014, 45, 1295-1302.	1.8	8

#	Article	IF	Citations
19	The Orienteering Problem with Time Windows Applied to Robotic Melon Harvesting. Journal of Optimization Theory and Applications, 2016, 168, 246-267.	1.5	7
20	External disinfection of shell eggs using steam in a Thermal Trap. Food Control, 2021, 127, 108135.	5.5	3
21	A novel method using light for increasing fry yield in guppy breeding tanks. Aquacultural Engineering, 2013, 57, 131-134.	3.1	2
22	The effects of illumination and daily number of collections on fry yields in guppy breeding tanks. Aquacultural Engineering, 2013, 57, 108-113.	3.1	2
23	Using attraction to light to decrease cannibalism and increase fry production in guppy (Poecilia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2013, 45, n/a-n/a.	1.8	2
24	Effect of Duration and Timing of Acoustic Signal Transmission on Ranched Fish Recapture. Journal of Applied Aquaculture, 2014, 26, 11-21.	1.4	2