

Boaz Zion

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

587
citations

840776

11
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	External disinfection of shell eggs using steam in a Thermal Trap. Food Control, 2021, 127, 108135.	5.5	3
2	Ornamental fish counting by non-imaging optical system for real-time applications. Computers and Electronics in Agriculture, 2018, 153, 126-133.	7.7	12
3	Determination of robotic melon harvesting efficiency: a probabilistic approach. International Journal of Production Research, 2016, 54, 3216-3228.	7.5	12
4	The Orienteering Problem with Time Windows Applied to Robotic Melon Harvesting. Journal of Optimization Theory and Applications, 2016, 168, 246-267.	1.5	7
5	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
6	<i>Cyperus rotundus</i> control using a mechanical digger and solar radiation. Weed Research, 2015, 55, 42-50.	1.7	10
7	Effect of Duration and Timing of Acoustic Signal Transmission on Ranched Fish Recapture. Journal of Applied Aquaculture, 2014, 26, 11-21.	1.4	2
8	Using attraction to light to decrease cannibalism and increase fry production in guppy (<i>Poecilia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Research, 2014, 45, 1295-1302.	1.8	8
9	A novel method using light for increasing fry yield in guppy breeding tanks. Aquacultural Engineering, 2013, 57, 131-134.	3.1	2
10	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
11	Using attraction to light to decrease cannibalism and increase fry production in guppy (<i>Poecilia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2013, 45, n/a-n/a.	1.8	2
12	Ranching acoustically conditioned fish using an automatic fishing machine. Aquaculture, 2012, 330-333, 136-141.	3.5	11
13	Ranching fish using acoustic conditioning: Has it reached a dead end?. Aquaculture, 2012, 344-349, 3-11.	3.5	19
14	The use of computer vision technologies in aquaculture – A review. Computers and Electronics in Agriculture, 2012, 88, 125-132.	7.7	192
15	Periodic reinforcement of acoustically conditioned behavior in St. Peter's fish, <i>Sarotherodon galilaeus</i> , for ranching purposes. Aquaculture, 2011, 315, 394-399.	3.5	12
16	Retention of acoustic conditioning in St Peter's fish <i>Sarotherodon galilaeus</i> . Journal of Fish Biology, 2011, 78, 838-847.	1.6	18
17	An automatic fishing machine based on acoustic conditioning. Aquacultural Engineering, 2011, 45, 87-91.	3.1	11
18	Mechanical harvesting of olives—An operations study. Israel Journal of Plant Sciences, 2011, 59, 71-84.	0.5	16

#	ARTICLE	IF	CITATIONS
19	Generalization and discrimination of positive and negative acoustic stimuli in the common carp (<i>Cyprinus carpio</i>). <i>Behavioural Processes</i> , 2010, 83, 306-310.	1.1	11
20	Classification of guppies™ (<i>Poecilia reticulata</i>) gender by computer vision. <i>Aquacultural Engineering</i> , 2008, 38, 97-104.	3.1	29
21	Real-time underwater sorting of edible fish species. <i>Computers and Electronics in Agriculture</i> , 2007, 56, 34-45.	7.7	86
22	Fruit Internal Quality Evaluation using On-line Nuclear Magnetic Resonance Sensors. <i>Biosystems Engineering</i> , 1999, 74, 293-301.	0.4	36
23	Nondestructive quality evaluation of fresh prunes by NMR spectroscopy. <i>Journal of the Science of Food and Agriculture</i> , 1995, 67, 423-429.	3.5	20
24	Detection of bruises in magnetic resonance images of apples. <i>Computers and Electronics in Agriculture</i> , 1995, 13, 289-299.	7.7	54