

# Chao Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/731203/publications.pdf>

Version: 2024-02-01

20  
papers

879  
citations

759233

12  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

416  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonintrusive and automatic quantitative analysis methods for fish behaviour in aquaculture. <i>Aquaculture Research</i> , 2022, 53, 2985-3000.	1.8	2
2	Fish feeding intensity quantification using machine vision and a lightweight 3D ResNet-GloRe network. <i>Aquacultural Engineering</i> , 2022, 98, 102244.	3.1	8
3	Deep learning for smart fish farming: applications, opportunities and challenges. <i>Reviews in Aquaculture</i> , 2021, 13, 66-90.	9.0	144
4	Real-time detection of uneaten feed pellets in underwater images for aquaculture using an improved YOLO-V4 network. <i>Computers and Electronics in Agriculture</i> , 2021, 185, 106135.	7.7	130
5	Composited FishNet: Fish Detection and Species Recognition From Low-Quality Underwater Videos. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 4719-4734.	9.8	60
6	Feed intake prediction model for group fish using the MEA-BP neural network in intensive aquaculture. <i>Information Processing in Agriculture</i> , 2020, 7, 261-271.	4.1	27
7	Automatic Fish Population Counting by Machine Vision and a Hybrid Deep Neural Network Model. <i>Animals</i> , 2020, 10, 364.	2.3	51
8	Image Super-Resolution Reconstruction Using Generative Adversarial Networks Based on Wide-Channel Activation. <i>IEEE Access</i> , 2020, 8, 33838-33854.	4.2	7
9	Evaluation of fish feeding intensity in aquaculture using a convolutional neural network and machine vision. <i>Aquaculture</i> , 2019, 507, 457-465.	3.5	98
10	Computer Vision and Feeding Behavior Based Intelligent Feeding Controller for Fish in Aquaculture. <i>IFIP Advances in Information and Communication Technology</i> , 2019, , 98-107.	0.7	0
11	Method for segmentation of overlapping fish images in aquaculture. <i>International Journal of Agricultural and Biological Engineering</i> , 2019, 12, 135-142.	0.6	1
12	Near infrared computer vision and neuro-fuzzy model-based feeding decision system for fish in aquaculture. <i>Computers and Electronics in Agriculture</i> , 2018, 146, 114-124.	7.7	95
13	Intelligent feeding control methods in aquaculture with an emphasis on fish: a review. <i>Reviews in Aquaculture</i> , 2018, 10, 975-993.	9.0	96
14	Three-dimensional location of target fish by monocular infrared imaging sensor based on a Lâ€™z correlation model. <i>Infrared Physics and Technology</i> , 2018, 88, 106-113.	2.9	13
15	Handling Water Reflections for Computer Vision in Aquaculture. <i>Transactions of the ASABE</i> , 2018, 61, 469-479.	1.1	12
16	Near-infrared imaging to quantify the feeding behavior of fish in aquaculture. <i>Computers and Electronics in Agriculture</i> , 2017, 135, 233-241.	7.7	85
17	An adaptive image enhancement method for a recirculating aquaculture system. <i>Scientific Reports</i> , 2017, 7, 6243.	3.3	20
18	Anti-counterfeit code for aquatic product identification for traceability and supervision in China. <i>Food Control</i> , 2014, 37, 126-134.	5.5	20

#	ARTICLE	IF	CITATIONS
19	Anti-counterfeit system for agricultural product origin labeling based on GPS data and encrypted Chinese-sensible Code. Computers and Electronics in Agriculture, 2013, 92, 82-91.	7.7	10
20	The design of agricultural product's production antecedents acquisition terminal based on Hi3511 and 3G technology. , 2012, , .		0