# Chao Zhou

List of Publications by Year
in descending order



| 20 | 879 | 759233 12 | 839539 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 20 | 20 | 20 | 416 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The design of agricultural product's production antecedents acquisition terminal based on Hi3511 and 3G technology. , 2012, , . | | 0 |
| 20 | Computer Vision and Feeding Behavior Based Intelligent Feeding Controller for Fish in Aquaculture. IFIP Advances in Information and Communication Technology, 2019, , 98-107. | 0.7 | 0 |