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Autore	Brown Culum
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Note generali

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Nota di contenuto

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2.6 Competition2.7 Learning and fish feeding: some applications; 2.8 Conclusions; Acknowledgements; References; 3 Learned Defences and Counterdefences in Predator-Prey Interactions; 3.1 Introduction; 3.2 The predator-prey sequence; 3.2.1 Encounter; 3.2.1.1 Avoiding dangerous habitats; 3.2.1.2 Changing activity patterns; 3.2.2 Detection; 3.2.2.1 Crypsis; 3.2.2.2 Sensory perception; 3.2.3 Recognition; 3.2.3.1 Associative learning; 3.2.3.2 Learning specificity; 3.2.3.3 Search images; 3.2.3.4 Aposematism and mimicry; 3.2.4 Approach; 3.2.4.1 Pursuit deterrence
3.2.4.2 Gaining information about the predator3.2.4.3 Social learning; 3.2.4.4 Habituation; 3.2.5 Evasion; 3.2.5.1 Reactive distance and escape speed and trajectory; 3.2.5.2 Survival benefits/capture success; 3.3 Summary and discussion; Acknowledgements; References; 4 Learning about Danger: Chemical Alarm Cues and Threat-Sensitive Assessment of Predation Risk by Fishes; 4.1 Introduction; 4.2 Chemosensory cues as sources of information; 4.2.1 Learning, innate responses and neophobia; 4.2.2 Learned predator recognition through conditioning with alarm cues
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5.5.3 Mate-choice copying when living in sympatry or allopatry

Sommario/riassunto

In the second edition of this fascinating book an international team of experts have been brought together to explore all major areas of fish learning, including: Foraging skills Predator recognition Social organisation and learning Welfare and pain Three new chapters covering fish personality, lateralisation, and fish cognition and fish welfare, have been added to this fully revised and expanded second edition. Fish Cognition and Behavior, Second Edition contains essential information for all fish biologists and animal behaviorists

