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Cooperating with Relatives for Display: An Innovation to Reduce Sexual CompetitionVocal Mimicry: Learning and Innovation in Use of Co-Opted Displays; Co-Option Mechanism; Cognition in Display Trait Acquisition; References; Chapter 5: Integrating Functional and Evolutionary Approaches to the Study of Color-Based Animal Signals; Introduction; Color Signal Production in More Detail; Signals, Honesty, and Condition-Dependence; Coloration as An Honest Advertisement; Trinidadian Guppies (Poecilia reticulata); Pierid Butterflies (Subfamily Coliadinae); Birds; Discussion/Conclusion/Future Work
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Sommario/riassunto

The diversity of animal signals has been widely documented, and the generality of animal signals also tantalizingly suggests that there are common mechanisms that have selected for their origin. However, while much progress has been made on some fronts, we still lack a general theory about why the diversity of signaling structures exist. Our compilation will directly address this gap by focusing on an exciting new arena of sexual selection, namely using functional approaches to understand signaling. This approach is rooted in the idea that many signals are designed to transmit important fun