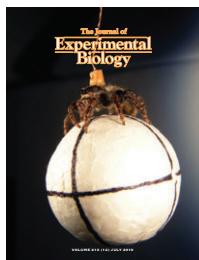


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Cover: A tethered jumping spider holding a Styrofoam ball. Jumping spiders orient towards targets perceived by their secondary eyes to bring their large forward-facing primary eyes in line with the stimulus. D. B. Zurek, A. J. Taylor, C. S. Evans and X. J. Nelson (pp. 2372-2378) used male and female adult spiders in two hunger conditions to determine the characteristics of computer-generated stimuli that elicit orientation responses mediated by the anterior lateral eyes. They found that these, previously underestimated, secondary eyes provide enough visual information to detect very low intensity targets and to carry out complete hunting sequences. Photo: D. B. Zurek.

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