

Title	Mechanisms of self-cleaning in fluid-based smooth adhesive pads of insects.
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Summary paragraph	Study of contact self-cleaning in adhesive pads of insects, testing whether self-cleaning is enhanced by liquid pad secretions and alternating push-pull movements. Adhesion forces recovered faster after contamination when more fluid secretion was present, but the effect was not explained by a faster removal of particles. Alternating push-pull movements did not enhance the self-cleaning efficiency.
Novel/notable aspects	Experimental test of two hypothetical mechanisms of contact self-cleaning
Flow key words	Adhesion
Cleaning type/key words	Contact self-cleaning
Field/background	Biomechanics
Theory/method/analysis key words	Experiments