

# ADVANCED SCIENCE

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## SOFT PNEUMATIC ACTUATORS

In article number 2100445, Chuan Qiao, Lu Liu, and Damiano Pasini propose a bi-shell valve leveraging shell snap-through buckling interaction for the rapid actuation of pneumatic soft actuators. A demonstrative experiment shows that the actuation time can be significantly reduced. The concept introduced here, offers a new function that is unattainable by existing soft valves used in soft robotics.

