

Dexterous Origami-inspired Soft (DOIS) Robot for Objects Reorientation and Overturn

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- A novel dexterous origami-inspired soft (DOIS) robot is proposed with bi-lateral bending and linear extension/contraction in a compact structure.
- Design, modeling, control of DOIS robot are introduced for versatile customization.
- Two challenging tasks, egg reorientation and envelop flipping, are performed by DOIS robot, which shows the promising practical application potential of DOIS robot.

