

Comparison of rigid glass fiber tail and flexible tail

Here, we will discuss the function and dynamics of the tail of the Caudovirales. We will examine the similarities and differences of all three families belonging to this order and point out specific ...

Combining rigid structure and flexible material, this letter proposes a passive flexible fish tail, which can achieve continuous movement and high swimming frequency with simple but effective ...

In this chapter, after describing the tail primary functions, and introducing fundamentals that govern the tail performance, techniques and procedure to design the horizontal tail and vertical tail will be provided.

Siphophages, accounting for ~60% of known phages, bear a long, flexible tail that allows host recognition and safe delivery of the DNA from the capsid to the cytoplasm of the infected cell.

By comparing the robot's performance with and without a tail, this paper explores the impact of the tail on the balance, stability, and maneuverability of climbing robots.

To compare the roles of soft and rigid tails on robots for locomotion enhancement, we consider medium- and low-stiffness tails to be soft and high-stiffness tails to be rigid.

This study will test the hypothesis that a variable stiffness robotic tail can improve the performance of a sprawling quadruped robot by enhancing its stability and maneuverability in various ...

Thus, this paper reviews and analyzes the roles of the tails of geckos and robots in terms of their climbing performances and compares the advantages ...

Thus, this paper reviews and analyzes the roles of the tails of geckos and robots in terms of their climbing performances and compares the advantages and disadvantages of robots' tails made of ...

Inspired by the crucial role of the tail in crocodile locomotion, we propose a novel rigid-flexible coupled tail structure design. The tail design reduces the number of required actuators, ...

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