

**Dataset of the larval eastern oyster *Crassostrea virginica*:**

- (1) High-speed, high-magnification videos of swimming, sinking, diving, and feeding larval oysters: 72 cases (56.9 GB total data size)
- (2) High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the feeding currents generated by larval oysters: 71 cases (261.5 GB total data size)

**Dataset of the veliger larva of the Atlantic slipper snail *Crepidula fornicata*:**

- (1) High-speed, high-magnification videos of swimming, sinking, diving, and feeding larval snails: 33 cases (78.1 GB total data size)
- (2) High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the feeding currents generated by larval snails: 24 cases (48.3 GB total data size)

**Dataset of the the pluteus larva of the sea urchin *Arbacia punctulata*:**

High-speed, high-magnification videos of swimming, sinking, and feeding larval sea urchins: 55 cases (188 GB total data size)

**Dataset of the nauplius larva of the barnacle *Amphibalanus improvisus*:**

High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the flow fields imposed by swimming barnacle nauplius larvae: 18 cases (28.4 GB total data size)

**Dataset of the nauplius of the brine shrimp *Artemia salina*:**

High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the flow fields imposed by newly-hatched swimming brine shrimp nauplii: 20 cases (22.9 GB total data size)

**Dataset of the nauplius of the copepod *Eucalanus pileatus*:**

- (1) High-speed, high-magnification videos of swimming and feeding copepod nauplii: 16 cases (22.2 GB total data size)
- (2) High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the feeding currents generated by copepod nauplii: 5 cases (15.1 GB total data size)

**Dataset of the juvenile of the soft-shell clam *Mya arenaria*:**

High-speed, Micro-Particle Image Velocimetry ( $\mu$ PIV) measurements of the inhalant and exhalent water currents generated by soft-shell clam juveniles: 81 cases (430.3 GB total data size)