

## Supplemental Information

### **Electrochemical-driven actuators: from materials to mechanism, from performance to applications**

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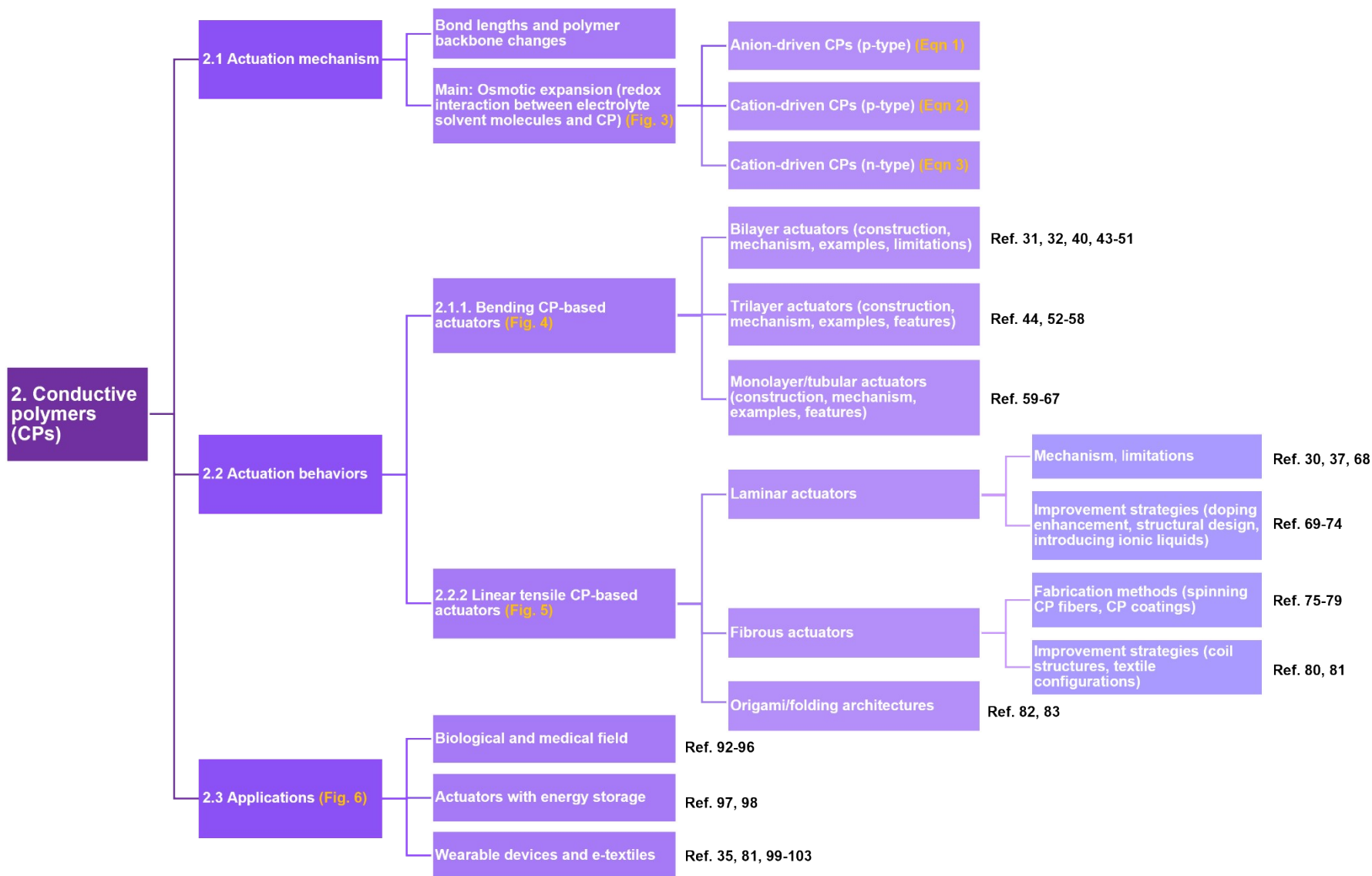
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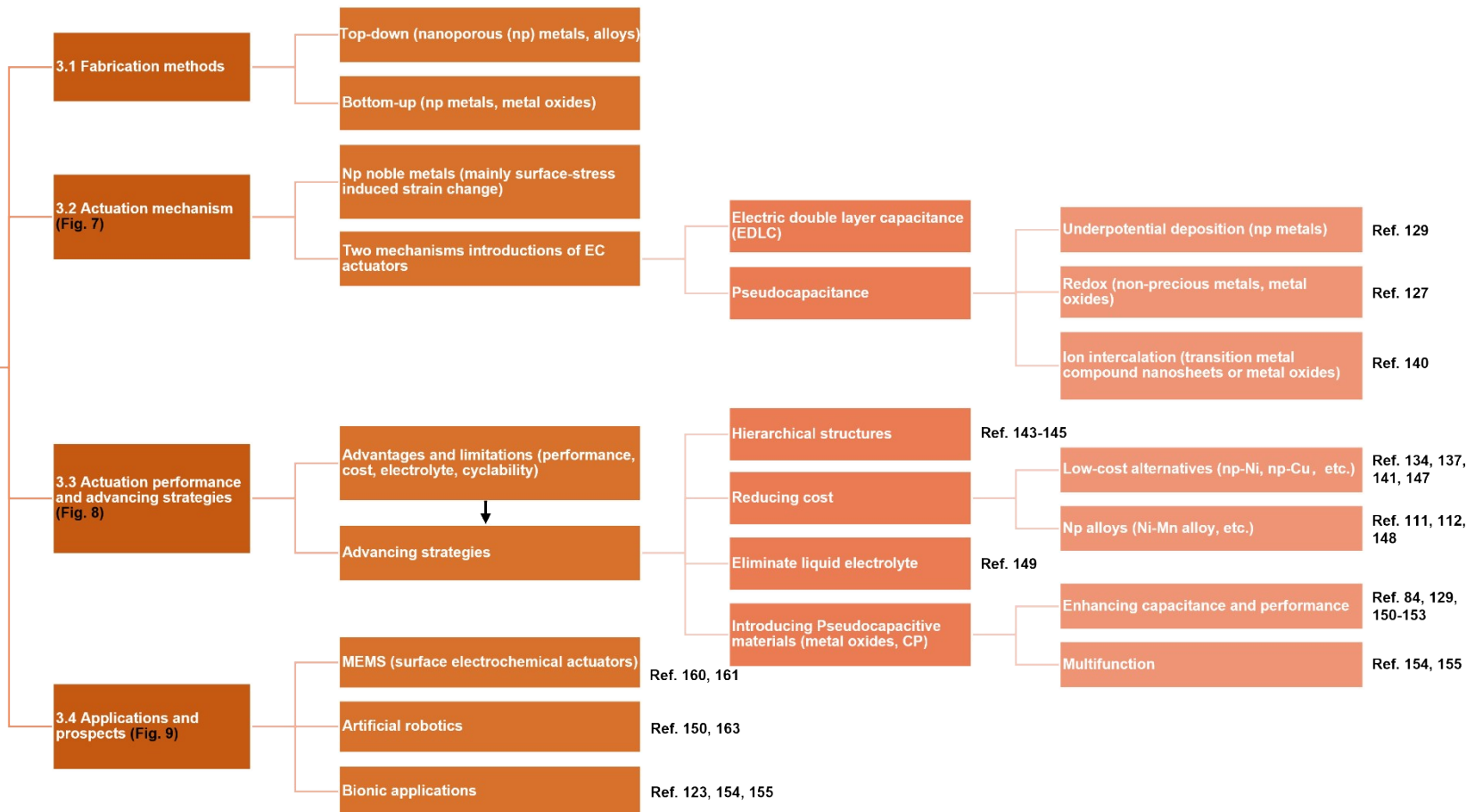
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**The logic diagrams of this review article:**



### 3. Nano metal-based materials (nanoporous metals, alloys, metal oxides)



# 4. Ionic polymer metal composites (IPMCs)

