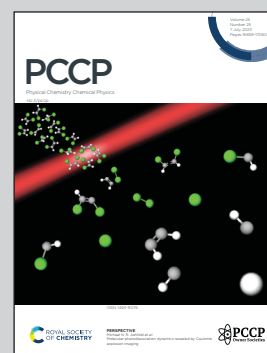


**Showcasing research from the Group of Prof. Ling-Bin Kong,  
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What about electrochemical behaviors for aurivillius-phase bismuth tungstate? Capacitive or pseudocapacitive

This work reports that the Aurivillius-phase of  $\text{Bi}_2\text{WO}_6$  has ideal pseudocapacitive behavior. Electrochemical tests and kinetic analysis show that the electrode process of  $\text{Bi}_2\text{WO}_6$  tends to capacitive behavior similar to the EDLC of carbon materials. Additionally, its charge storage is more likely based on the capacitive behavior of the non-Faraday process rather than the Faraday pseudocapacitive process. The similar electrochemical behavior of  $\text{Bi}_2\text{WO}_6$  and carbon materials makes it possible to study the pseudocapacitive or capacitive behavior of non-carbon materials.

**As featured in:**



See Ling-Bin Kong *et al.*,  
*Phys. Chem. Chem. Phys.*,  
2023, **25**, 16718.