

Synthesis of two-dimensional Molybdenum oxide nanoflakes with various phases and their nano-based characterization

Mukesh Lavkush Bhaisare¹, Krishna Hari Sharma⁵, Jun-Yi Lee¹, Da-Ren Hang⁵, Hui-Fen Wu*,^{1,}
^{2, 3, 4}

¹Department of Chemistry and Center for Nanoscience and Nanotechnology, National Sun Yat-Sen University, Kaohsiung, 70, Lien-Hai Road, Kaohsiung, 80424, Taiwan

²School of Pharmacy, College of Pharmacy, Kaohsiung Medical University, Kaohsiung, 807, Taiwan

³Institute of Medical Science and Technology, National Sun Yat-Sen University, 80424, Taiwan

⁴Doctoral Degree Program in Marine Biotechnology, National Sun Yat-Sen University and Academia Sinica, Kaohsiung, 80424, Taiwan

⁵Department of Materials and Optoelectronic Science, National Sun Yat-Sen University, 70, Lien-Hai Road, Kaohsiung 80424, Taiwan

*Corresponding author, Phone: +886-7-5252000 ext. 3955; Fax: +886-7-5253908

E-mail: hwu@faculty.nsysu.edu.tw (Prof. H F Wu)

Fig. S1 [a] EDX spectra of MoO_{3-x} nanoflakes, [b, c, and d] C-dots@MoO_{3-x} I, II and III.

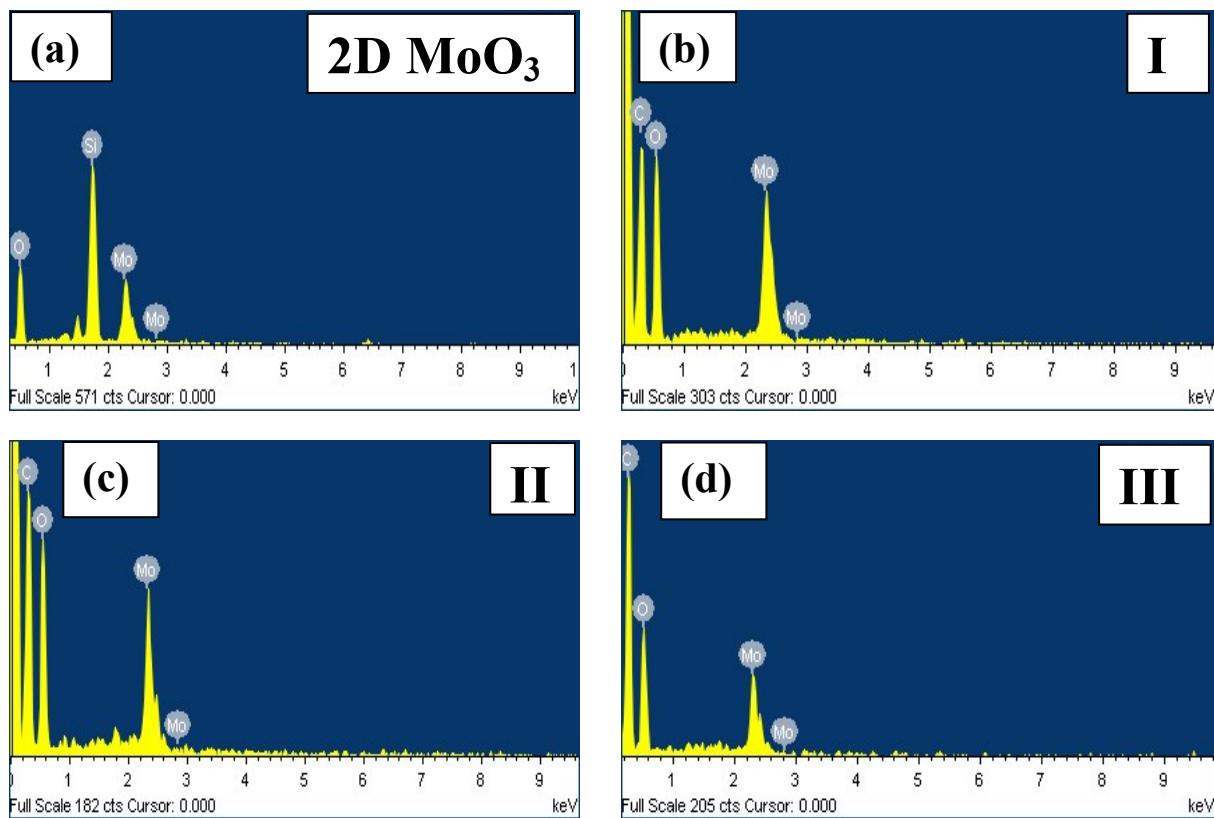


Fig. S2 Particle size distribution of carbon dots.

