

Supporting Information

Understanding Charge Transport and Dielectric Relaxation Properties in Lead-Free Cs₂ZrCl₆ Nanoparticles

Mohamed Ben Bechir ^{*,a}, Mehdi Akermi ^{b,c}, Hussain J Alathlawi ^b

^a *Laboratory of Spectroscopic and Optical Characterization of Materials (LaSCOM),
Faculty of Sciences, University of Sfax, BP1171 – 3000 Sfax, Tunisia.*

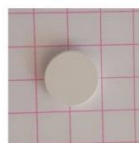
^b *Department Physics, College of Sciences, Jazan University, P. O. Box. 114, Jazan, 45142, Kingdom
of Saudi Arabia. E-mail: makermi@jazanu.edu.sa, hathlawi@jazanu.edu.sa*

^c *Laboratory of Interfaces and Advanced Materials, Faculty of Science, Boulevard of the Environment,
University of Monastir, 5019, Monastir, Tunisia*

^{*} *Corresponding author. E-mail address: mohamedbenbechir@hotmail.com*

Supplementary Figures

(a)



(b)



Fig. S1. (a) Visual Representation of Cs₂ZrCl₆ Pellet. (b) Setup Utilized for Measuring Electrical and Dielectric Properties via Complex Impedance Spectroscopy.

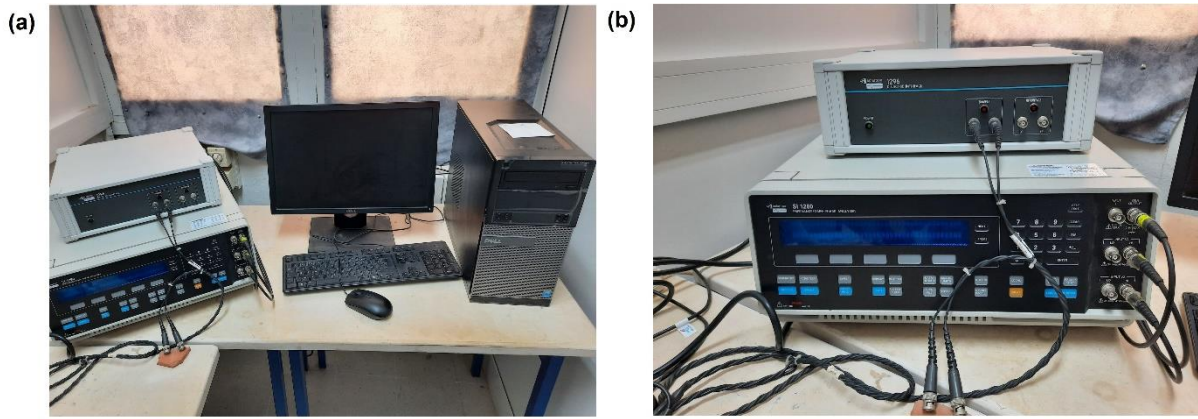


Fig. S2. Images of the TH2828A Impedance Analyzer.

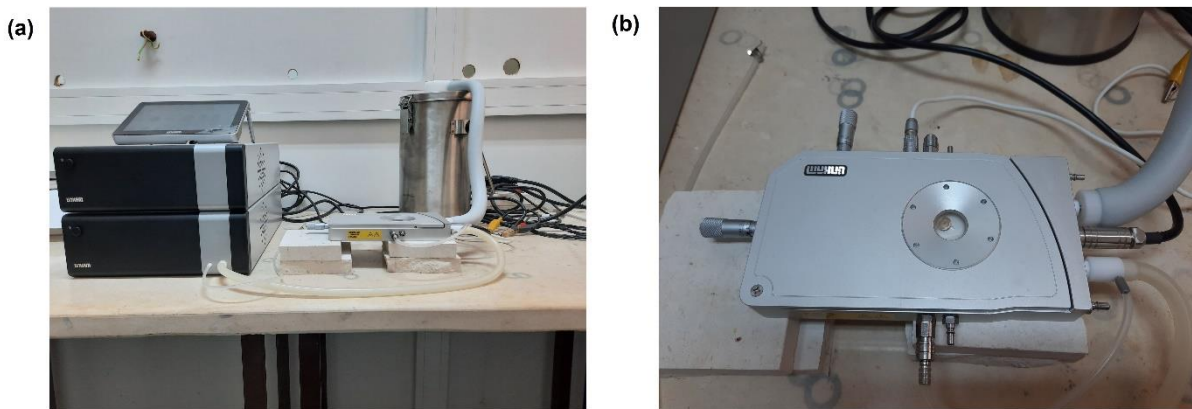


Fig. S3. Images of the Linkam Scientific TP94 Temperature Controller.