

Supplementary information

SiC foams for the photocatalytic degradation of organic pollutants under visible light irradiation

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Figure S1 shows the EDX spectrum and the associated composition table of the SiC foam.

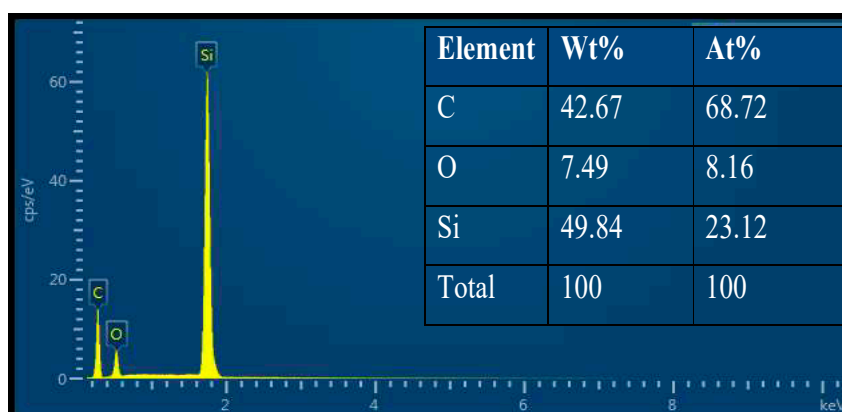


Figure S1. EDX pattern for the SiC foam.

Figures S2 a) to d) show the linear fit for the bandgap calculations using the ASF method. It was observed that the best fitting occurred for $n=1/2$ (figure 1 d), with the linear correlation coefficient $R^2=0.9996$, indicating a direct allow transition.

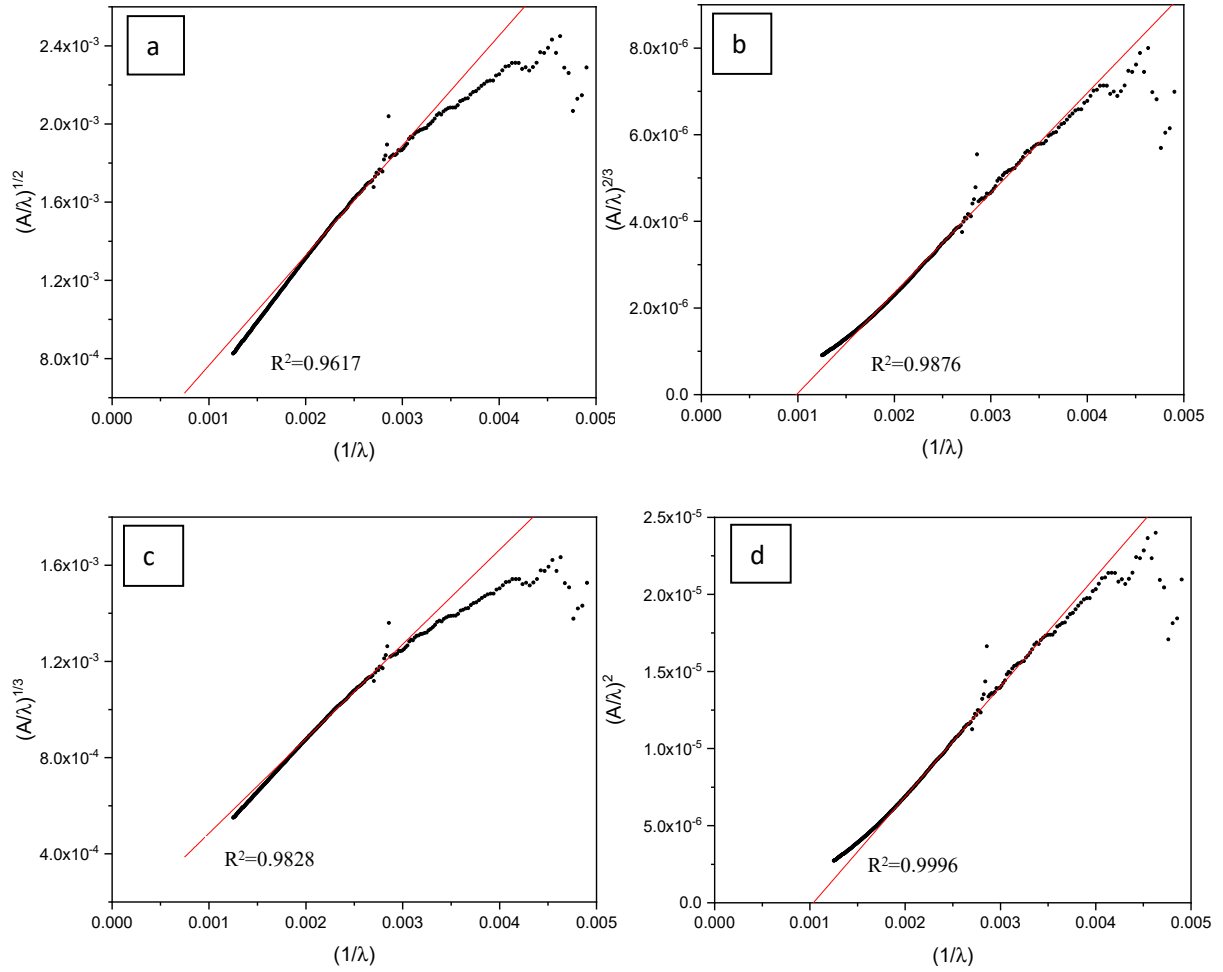


Figure S2. Linear fitting for $(A/\lambda)^{1/n}$ vs $1/\lambda$ with a) $n=2$, b) $n=3/2$, c) $n=3$ and d) $n=1/2$.