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Title: Facile synthesis of silicon carbide-titanium dioxide semiconducting nanocomposite using pulsed laser ablation technique and its performance in photovoltaic dye sensitized solar cell and photocatalytic water purification

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Research Highlights

- SiC-TiO₂ semiconducting nanocomposites synthesized by nanosecond PLAL technique
- synthesized nanocomposites were morphologically and optically characterized
- Nanocomposites were applied for the photocatalytic degradation of toxic organic dye
- Photovoltaic performance was investigated in Dye Sensitized Solar Cell

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