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Comparative study of structural and optical properties of pulsed and RF plasma polymerized aniline films

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Highlights:

- Pulse DC and RF plasma is used for synthesis of conducting polymer films.
- Conjugated structure retention is better at optimum powers in both the processes.
- Conjugated structure retention is better in case of RF plasma prepared films.
- Band gap is lower in case of RF plasma prepared films at higher power.
- Defect in pulse plasma prepared film is less than RF plasma prepared thin films.

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