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Capacity Failure Rate Based Opportunistic Maintenance Modeling for Series-Parallel Multi-Station Manufacturing Systems

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Highlights

- A Capacity Failure Rate based opportunistic maintenance policy is proposed.
- Capacity Failure Rate is developed to describe the impacts of station failures on system capacity.
- A variable maintenance time window is introduced to group the maintenance activities.
- The Maintenance Efficiency is defined to evaluate the performance of maintenance.
- The proposed policy is more effective than the constant time window based policy.

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