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Impacts of the cross-correlated noises on the fluctuation behaviors of a gene transcriptional regulatory system

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Highlights (for review)*Highlights:**

- ▶ We explore the fluctuation behaviors of a gene transcriptional regulatory system subjected to the cross-correlated noises.
- ▶ The critical behaviors in the relaxation time as functions of noise intensities are found.
- ▶ The effects of noise intensities on the stability of the system in the steady state is revealed.

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