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Dynamics of a stochastic HIV-1 infection model with logistic growth

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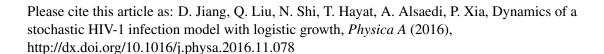
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## Highlights

- •A stochastic HIV-I infection model with logistic growth is proposed and studied.
- •We establish sufficient conditions for the existence of ergodic stationary distribution.
  - •We obtain sufficient conditions for extinction of the infection.
- •The stationary distribution shows that the infection can become persistent in vivo.

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