

Accepted Manuscript

Effect of infection age on an SIR epidemic model with demography on complex networks

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PII: S0378-4371(17)30228-5

DOI: <http://dx.doi.org/10.1016/j.physa.2017.03.006>

Reference: PHYSA 18072

To appear in: *Physica A*

Received date: 1 July 2016

Revised date: 3 January 2017

Please cite this article as: J. Yang, Y. Chen, Effect of infection age on an SIR epidemic model with demography on complex networks, *Physica A* (2017), <http://dx.doi.org/10.1016/j.physa.2017.03.006>

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Highlights

January 3, 2017

- Infection age has been introduced into an epidemic model with demography on complex networks.
- The sufficient condition for the existence of the endemic equilibrium and the persistence of the model are obtained.
- The global stability of the equilibria is established by employing Lyapunov functionals.

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