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Selective epidemic vaccination under the performant routing algorithms

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**Highlights**

- The virus spreading in a complex network using the efficient path and the global dynamic routing algorithms as compared to shortest path strategy is studied.
- The selective vaccination succeeded in eradicating the virus better than a pure random intervention for the performant routing algorithm strategies is investigated.
- This work proposed a solution to overcome this drawback by using a selective vaccination procedure instead of a random vaccination used often in the literature.

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