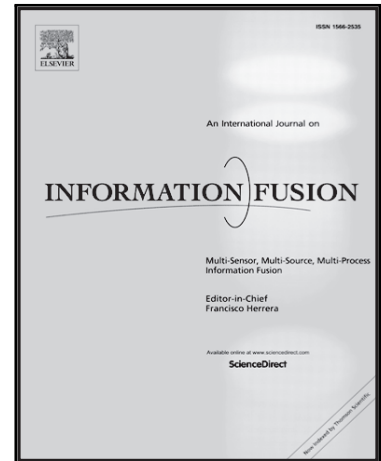


## Accepted Manuscript

### Consensus of Fractional Nonlinear Dynamics Stochastic Operators for Multi-Agent Systems

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## Highlights

- The paper focuses on the consensus problem in multi-agent systems.
- A fractional degree  $\frac{1}{n}$  for DeGroot model and QSO for consensus problem is proposed.
- The results of the fractional DeGroot is approximately consensus to 1 when  $n = 2 \rightarrow \infty$ .
- The results of the fractional QSO is consensus to  $m$  (agents number) when  $n = 2 \rightarrow \infty$ .
- The finding results demonstrate an efficient approach for consensus problem.

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