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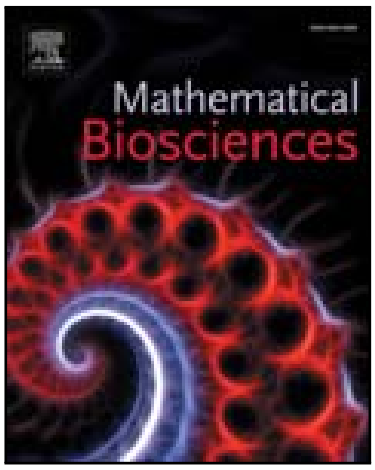

Modelling hyaluronan degradation by streptococcus pneumoniae hyaluronate lyase

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Highlights

- We develop a model describing the degradation of hyaluronan by SpnHL.
- The model parameters are estimated with the aid of literature data.
- Good agreement between theory and experiment is found.
- Literature data suggests that the model may be applicable to other enzymes.
- The key model parameters are identified using a global sensitivity analysis.

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