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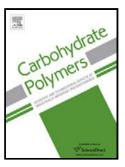
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1 Highlights

- Pure aqueous solution system was established for hyaluronan depolymerization.
- Hyaluronidase concentration and hydrolysis time determined molecular mass
- 4 distribution.
- Target hyaluronan fragments with specific molecular mass could be effectively
- 6 produced.
- The lowest polydispersity index of the hyaluronan oligosaccharide was 1.16.
- The hyaluronan tetrasccharide HA4 was successfully isolated with a high purity.
- Large-scale production of hyaluronan oligosaccharides was achieved (40 g/L).

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