You Qi and Joshua Sussan* (joshuasussan@gmail.com). p-DG algebras and a braid group action.

Khovanov outlined a program to categorify quantum groups and their representations at prime roots of unity through p-DG algebras.

We will introduce a p-DG structure on a well-known algebra and show how this leads to a categorical braid group action. (Received August 11, 2019)