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**Yongwei Yao.** *Toric rings of graded rational twist in positive characteristic.* Preliminary report.

Prompted by the definition of the Frobenius complexity of a local ring of positive characteristic, we examine generating functions that can be associated to the twisted construction of a graded ring of positive characteristic. There is a large class of toric rings for which this generating function is rational. We will discuss this class of rings. This work is joint with Yongwei Yao. (Received January 13, 2021)