Contextual string embeddings [3] which are trained without any explicit notion of words and therefore, words are modelled as sequences of characters.

A.Akbik,D.Blythe,andR.Vollgraf,‘‘Contextual string embeddings for sequence labeling,’’ in *Proc. 27th Int. Conf. Comput. Linguistics*, 2018, pp. 1638–1649.

**FOUND: ﻿ YES**

Our proposed embeddings have the distinct properties that they (a) are trained without any explicit notion of words and thus fundamentally model words as sequences of characters, and (b) are *contextualized* by their surrounding text, meaning that the same word will have different embeddings depending on its contextual use.

: **0.85**

In this paper, we propose to leverage the internal states of a trained character language model to produce a novel type of word embedding which we refer to as *contextual string embeddings*.

: **0.74**