	doc_1		doc_2	decision	id
Haochen Tan     Wei Shao		authors	<ul> <li>Haochen Tan</li> <li>Wei Shao</li> <li>Han Wu</li> <li>Ke Yang</li> <li>Linqi Song</li> </ul>		
authors	<ul><li> Han Wu</li><li> Ke Yang</li><li> Linqi Song</li></ul>	title	A Sentence is Worth 128 Pseudo Tokens: A Semantic-Aware Contrastive Learning Framework for Sentence Embeddings		
		publication_date	on_date   2022-03-11 12:29:22+00:00		
		source	SupportedSources.ARXIV		
	Semantic-Aware Contrastive Learning	journal	None		
title		volume			
		doi		NOT	
source				DUPLICATES	384
journal		urls			
volume					
doi	None	id	id-3447821153114473098		
urls	https://openalex.org/W4226186836		by superficial features like the length of sentences or syntactic structures. In this paper, we propose a semantics-aware contrastive learning framework for sentence		
id	id2628709532708716661				
abstract		abstract	BERT encoder to map each sentence into a sequence of pseudo tokens in a fixed length. Leveraging these pseudo sequences, we are able to construct same-length positive		
versions			and negative pairs based on the attention mechanism to perform contrastive learning. In addition, we utilize both the gradient-updating and momentum-updating encoders to encode instances while dynamically maintaining an additional queue to store the representation of sentence embeddings, enhancing the encoder's learning performance for negative examples. Experiments show that our model outperforms the state-of-the-art baselines on six standard semantic textual similarity (STS) tasks. Furthermore, experiments on alignments and uniformity losses, as well as hard examples with different sentence lengths and syntax, consistently verify the effectiveness of our method.		
	title oublication_date source journal volume doi urls id abstract	A Sentence is Worth 128 Pseudo Tokens: A Semantic-Aware Contrastive Learning Framework for Sentence Embeddings  ublication_date   2022-03-11 00:00:00  source   SupportedSources.OPENALEX   journal   volume   doi   None    urls   https://openalex.org/W4226186836   id   id2628709532708716661   abstract	** Ke Yang     * Linqi Song  A Sentence is Worth 128 Pseudo Tokens: A Semantic-Aware Contrastive Learning Framework for Sentence Embeddings  **oublication_date**   2022-03-11 00:00:00  **source**   SupportedSources.OPENALEX**   urls  **polume**   urls  **olume**   id  **ohttps://openalex.org/W4226186836*   abstract**   abstract**   abstract**	* Ke Yang	** Ke Yang ** Linqi Song ** Ke Yang ** Linqi Song ** Linqi Song ** Linqi Song ** Semantic-Aware Contrastive Learning Framework for Sentence Embeddings source   SupportedSources ARXIV   journal   None   volume   thttp://arxiv.org/pdf/2203.05877v1   thttp://arxiv.org/pdf/