	doc_1		doc_2		decision	id
cases		John Wieting	authors	 John Wieting Kevin Gimpel Graham Neubig Taylor Berg-Kirkpatrick 		
	authors	Kevin Gimpel Graham Neubig Taylor Berg-Kirkpatrick Paraphrastic Representations at Scale	title	Paraphrastic Representations at Scale		
			publication_date	2021-04-30 16:55:28+00:00		
			source	SupportedSources.ARXIV		
	title		journal	None		
		te 2021-04-30 00:00:00	volume]	i I
	source	SupportedSources.OPENALEX	doi]	
	journal	arXiv (Cornell University)		• http://arxiv.org/pdf/2104.15114v1	DUPLICATES 21	
	volume	partity (content oniversity)	urls	• http://arxiv.org/abs/2104.15114v1		
	doi	None		• http://arxiv.org/pdf/2104.15114v1		
	urls	https://openalex.org/W3158209167	id	id-1739538334243651506		
	uris		abstract	We present a system that allows users to train their own state-of-the-art paraphrastic sentence representations in a variety of languages. We also release trained models for		
	id	id8140257015640013210		English, Arabic, German, French, Spanish, Russian, Turkish, and Chinese. We train these models on large amounts of data, achieving significantly improved performance from the original papers proposing the methods on a suite of monolingual semantic similarity, cross-lingual semantic similarity, and bitext mining tasks. Moreover, the resulting models surpass all prior work on unsupervised semantic textual similarity, significantly outperforming even BERT-based models like Sentence-BERT (Reimers and		
	abstract					
	versions	versions		Gurevych, 2019). Additionally, our models are orders of magnitude faster than prior work and can be used on CPU with little difference in inference speed (even improved speed over GPU when using more CPU cores), making these models an attractive choice for users without access to GPUs or for use on embedded devices. Finally, we add significantly increased functionality to the code bases for training paraphrastic sentence models, easing their use for both inference and for training them for any desired language with parallel data. We also include code to automatically download and preprocess training data.	d	
			versions			