cases	doc_1		doc_2		decision	id
		Dionisio, N.		Nuno DionÃsio     Fernando Alves     Pedro M. Ferreira     Alysson Bessani		
		• Alves, F.	title	Cyberthreat Detection from Twitter using Deep Neural Networks		
	authors	Ferreira, P.	publication_date	2019-04-01 22:04:29+00:00	1	
		Bessani, A.	source	SupportedSources.ARXIV		
	title	Cyberthreat Detection from Twitter using Deep Neural Networks	journal	None		
	publication date 2019-01-01 00:00:00		volume			
	source	SupportedSources.CROSSREF	doi		]	
	journal	supposedus suscents sorial	urls	• http://arxiv.org/pdf/1904.01127v1		ES 146
	volume			• http://arxiv.org/abs/1904.01127v1	DUPLICATES	
	doi	10.1109/ijcnn.2019.8852475		• http://arxiv.org/pdf/1904.01127v1		
	urls	<ul> <li>http://xplorestaging.ieee.org/ielx7/8840768/8851681/08852475.pdf? arnumber=8852475</li> <li>http://dx.doi.org/10.1109/ijcnn.2019.8852475</li> </ul>	id	id-637264188375736908		
			abstract	To be prepared against cyberattacks, most organizations resort to security information and event management systems to monitor their infrastructures. These systems depend on the timeliness and relevance of the latest updates, patches and threats provided by cyberthreat intelligence feeds. Open source intelligence platforms, namely social media networks such as Twitter, are capable of aggregating a vast		
	id	id2810697748031288549		amount of cybersecurity-related sources. To process such information streams, we require scalable and efficient tools capable of	eets ork es	
	abstract			identifying and summarizing relevant information for specified assets. This paper presents the processing pipeline of a novel tool that uses deep neural networks to process cybersecurity information received from Twitter. A convolutional neural network identifies tweets		
	versions			containing security-related information relevant to assets in an IT infrastructure. Then, a bidirectional long short-term memory network		
				extracts named entities from these tweets to form a security alert or to fill an indicator of compromise. The proposed pipeline achieves an average 94% true positive rate and 91% true negative rate for the classification task and an average F1-score of 92% for the named entity recognition task, across three case study infrastructures.		
			versions		]	