Table 2. Comparison of TextCaps with state-of-the-art results, the mean and the standard deviation from 3 trials are shown

EMNIST-Letters		
Implementation	With full train set	With 200 samp/class
Cohen *et al.* [12]	85.15%	-
Wiyatno*et al.* [14]	91.27%	-
TextCaps	**95.36 ± 0.30%**	**92.79 ± 0.30%**

EMNIST-Balanced		
Implementation	With full train set	With 200 samp/class
Cohen *et al.* [12]	78.02%	-
Dufourq *et al.* [13]	88.3%	-
TextCaps	**90.46 ± 0.22%**	87.82 ± 0.25%

EMNIST-Digits		
Implementation	With full train set	With 200 samp/class
Cohen *et al.* [12]	95.90%	-
Dufourq *et al.* [13]	99.3%	-
TextCaps	**99.79 ± 0.11%**	98.96 ± 0.22%

MNIST		
Implementation	With full train set	With 200 samp/class
Sabour *et al.* [4]	99.75%	-
Cireşan *et al.* [8]	99.77%	-
Wan *et al.* [24]	**99.79%**	-
TextCaps	99.71 ± 0.18%	98.68 ± 0.30%

Fashion MNIST		
Implementation	With full train set	With 200 samp/class
Xiao *et al.* [22]	89.7%	-
Bhatnagar *et al.* [25]	92.54%	-
Zhong *et al.* [26]	**96.35%**	-
TextCaps	93.71 ± 0.64%	85.36 ± 0.79%