Appendix B Checklist of items to include in a DL-EEG study

This section contains a checklist of items we believe DL-EEG papers should mention to ensure their published results are readily reproducible. The following items of information should all be clearly stated at one point or another in the text or supplementary materials of future DL-EEG studies:

Data	
	Number of subjects (and relevant demographic data)
	Electrode montage including reference(s) (number of channels and their locations)
	Shape of one example (e.g., "256 samples \times 16 channels")
	Data augmentation technique (e.g., percentage of overlap for sliding windows)
	Number of examples in training, validation and test sets
EEG processing	
	Temporal filtering, if any
	Spatial filtering, if any
	Artifact handling techniques, if any
	Resampling, if any
Neural network architecture	
	Architecture type
	Number of layers (consider including a diagram or table to represent the architecture)
	Number of learnable parameters
Training hyperparameters	
	Parameter initialization
	Loss function
	Batch size
	Number of epochs
	Stopping criterion
	Regularization (e.g., dropout, weight decay, etc.)
	Optimization algorithm (e.g., stochastic gradient descent, Adam, RMSProp, etc.)
	Learning rate schedule and optimizer parameters
	Values of all hyperparameters (including random seed) for the results that are presented in the paper
	Hyperparameter search method
Performance and model comparison	
	Performance metrics (e.g., f1-score, accuracy, etc.)
	Type of validation scheme (intra- vs. inter-subject, leave-one-subject-out, k-fold cross-validation, etc.)
	Description of baseline models (thorough description or reference to published work)