Class Incremental Learning aims to learn from an evolutive stream with incoming new classes. Assume there is a sequence of B training tasks without overlapping classes, where is the -th incremental step with training instances. is an instance of class . is the label space of task , where for . We can only access data from when training task . The ultimate goal of CIL is to continually build a classification model for all classes. In other words, the model should not only acquire the knowledge from current task but also preserve the knowledge from former tasks. After each task, the trained model is evaluated over all seen classes .