MCRLLM

```
import numpy as np
import matplotlib.pyplot as plt
from MCRLLM import mcrllm
plt.close('all')

#%% Load Data

X = np.loadtxt('data_EELS.txt', delimiter=',')
X = X.T

#%% MCRLLM

nb_c = 7
decomp = mcrllm(X,nb_c,init = 'Kmeans', nb_iter=20)
C = decomp.C
S = decomp.S

#%% Plot results

plt.figure();plt.plot(S.T);plt.title('S',fontsize=16)
plt.figure();plt.plot(C);plt.title('C',fontsize=16)
```

Output plots