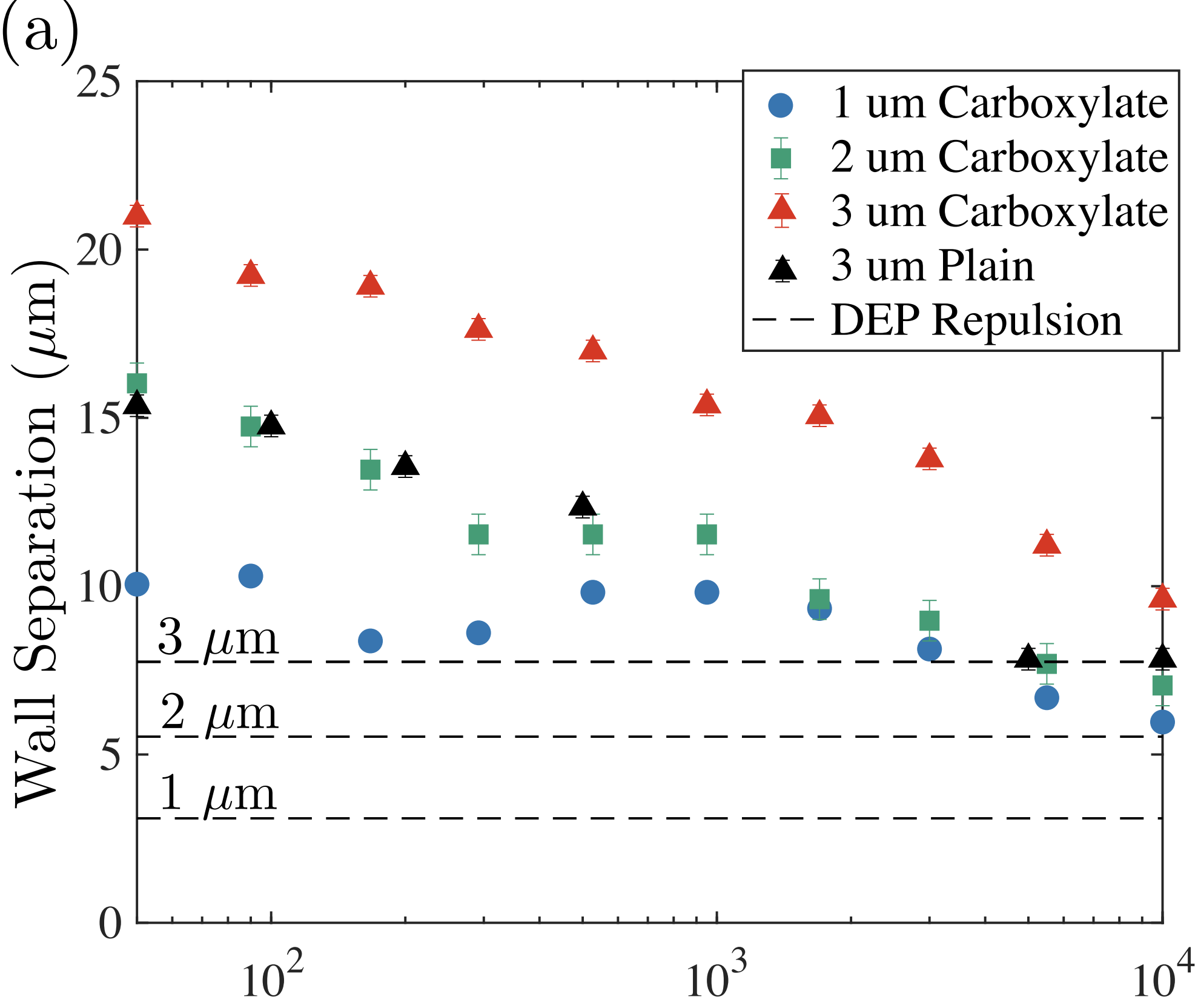
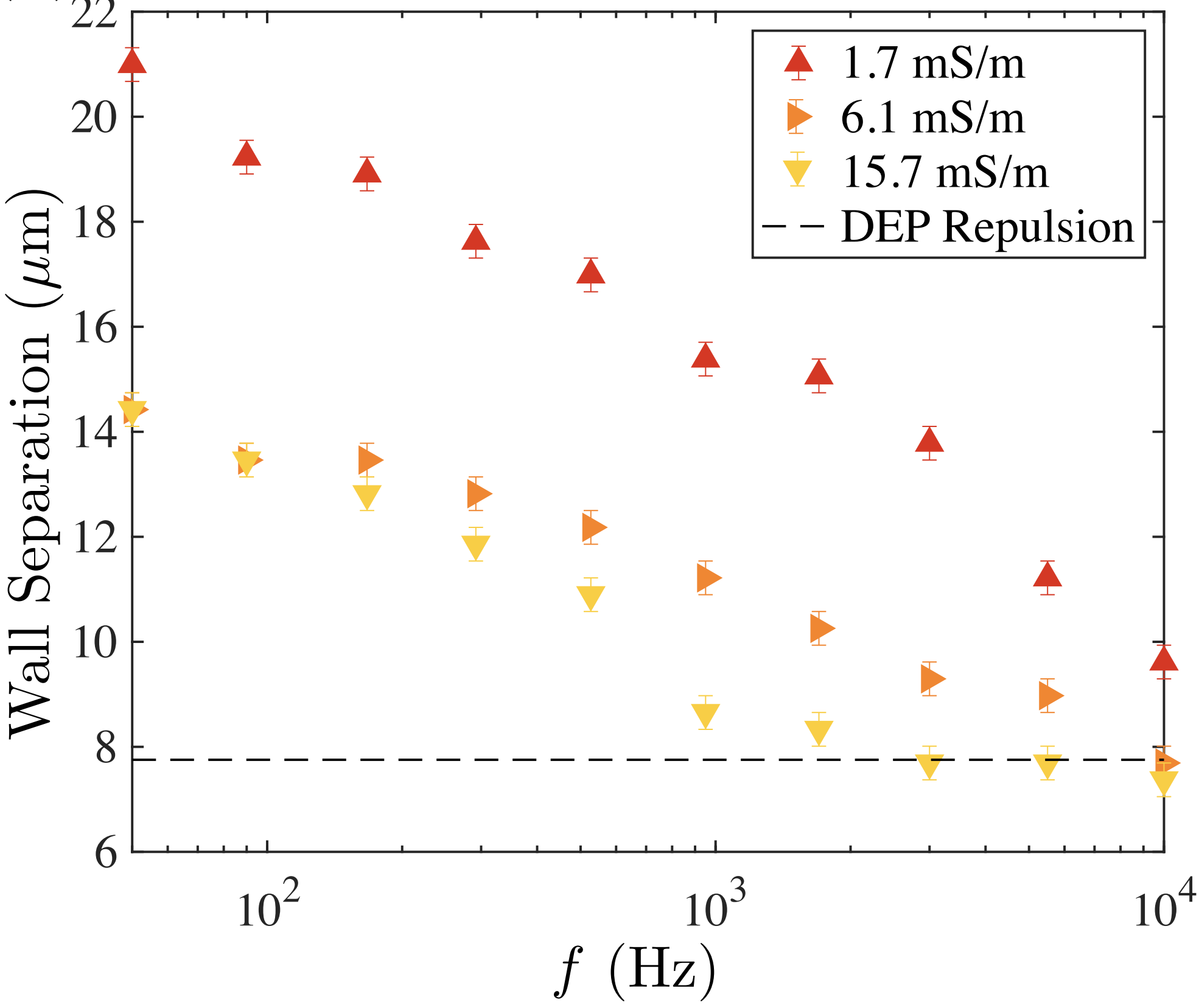
(a)


25
20
15
10
5
0
Wall Separation (μm)
3 μm
2 μm
1 μm
1 um Carboxylate
2 um Carboxylate
3 um Carboxylate
3 um Plain
DEP Repulsion
10^2
10^3
10^4
f (Hz)

(b)


22
20
18
16
14
12
10
8
6
(μm)
Wall Separation
1.7 mS/m
6.1 mS/m
15.7 mS/m
DEP Repulsion
10^2
10^3
10^4
f (Hz)