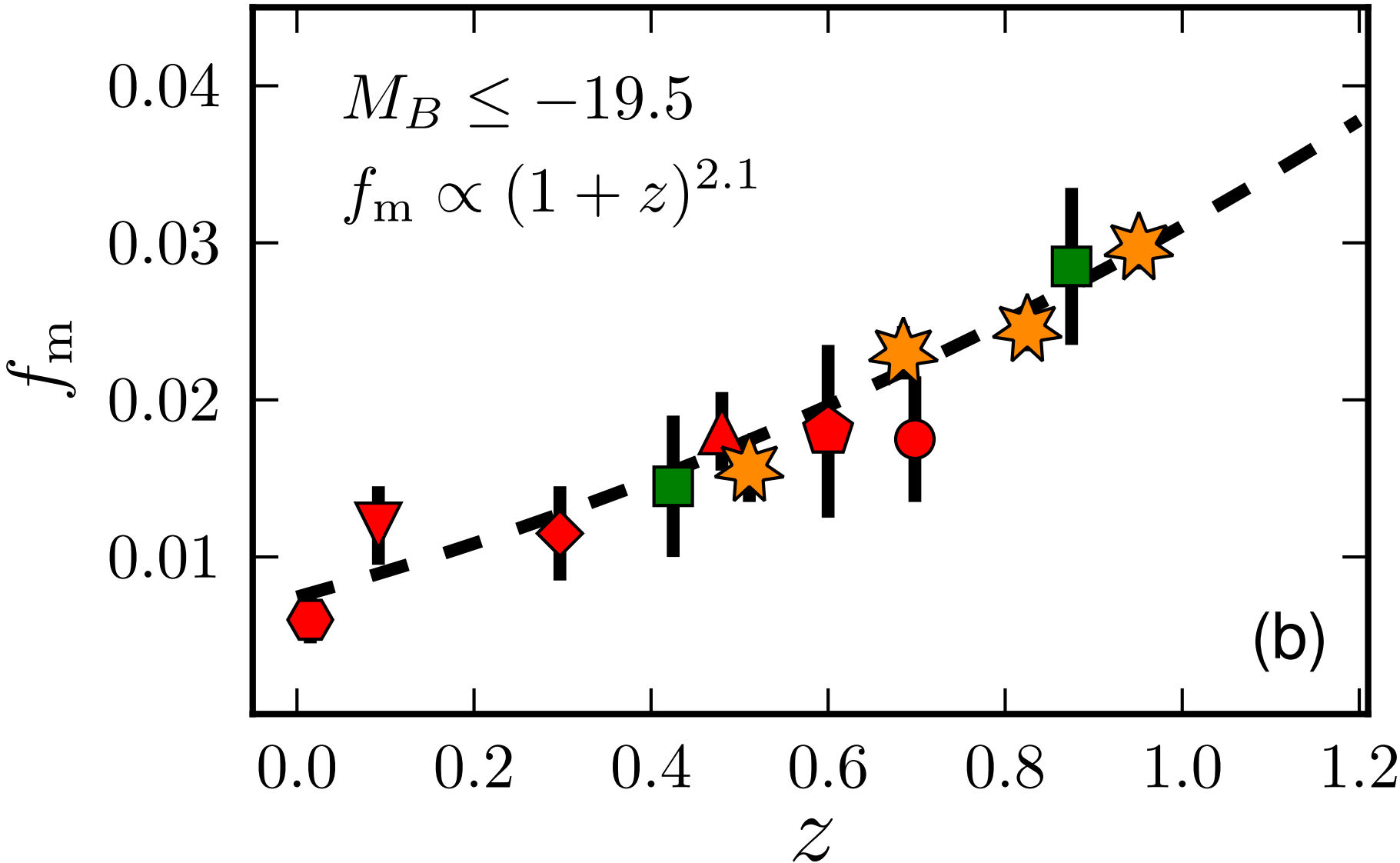
$M_B \leq -19.5$
$f_{\rm m} \propto (1+z)^{2.1}$
(b)
0.04
0.03
0.02
0.01
$f_{\rm m}$
0.0
0.2
0.4
0.6
0.8
1.0
1.2
z