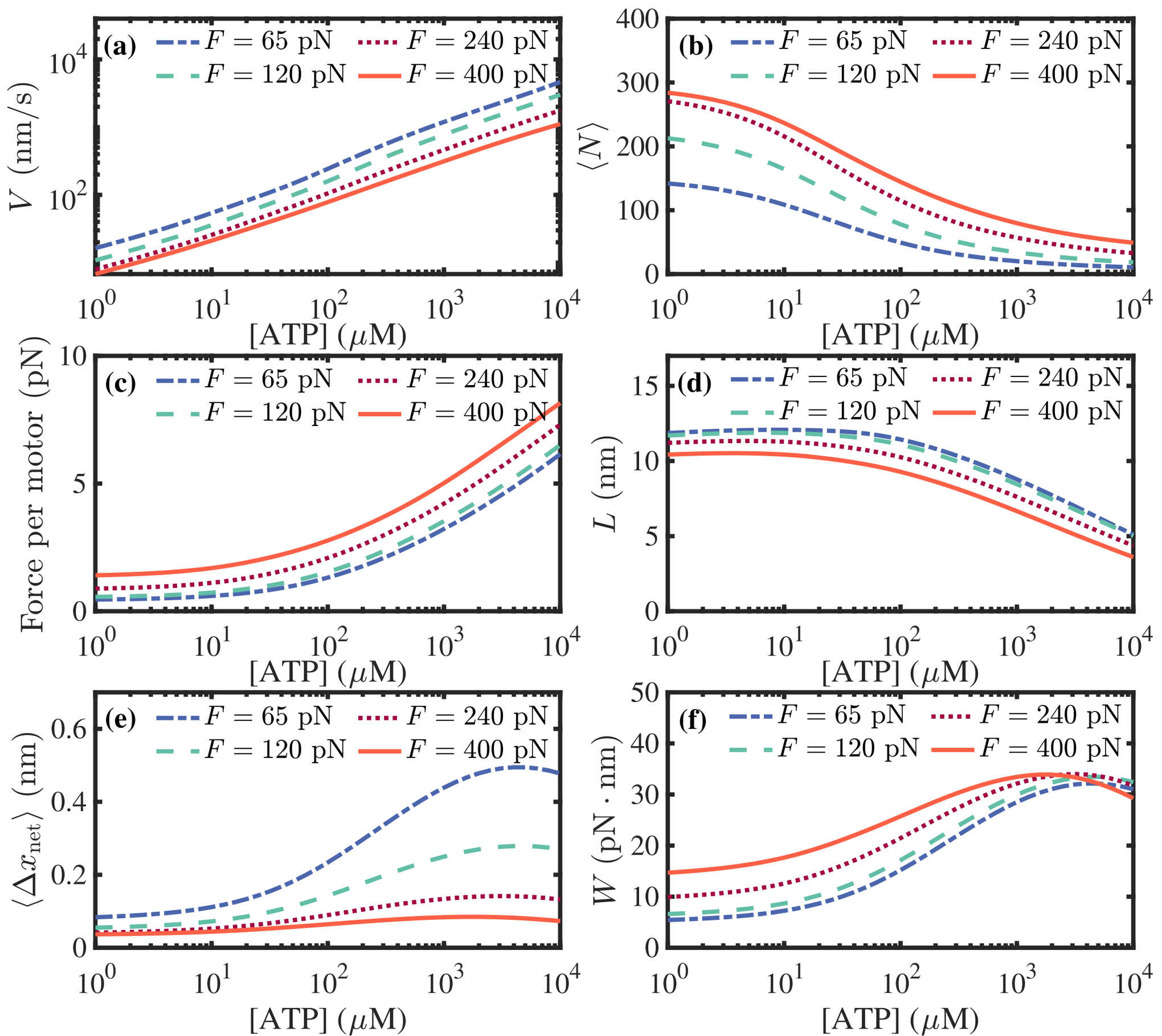
(a)
$F = 65$ pN
$F = 120$ pN
$F = 240$ pN
$F = 400$ pN
V (nm/s)
10^4
10^2
10^0 10^1 10^2 10^3 10^4
[ATP] (μM)
(b)
$\langle N \rangle$
400
300
200
100
0
(c)
Force per motor (pN)
10
5
0
(d)
L (nm)
15
10
5
0
(e)
$\langle \Delta x_{\rm net} \rangle$ (nm)
0.6
0.4
0.2
0
(f)
W (pN $\cdot$ nm)
50
40
30
20
10
0