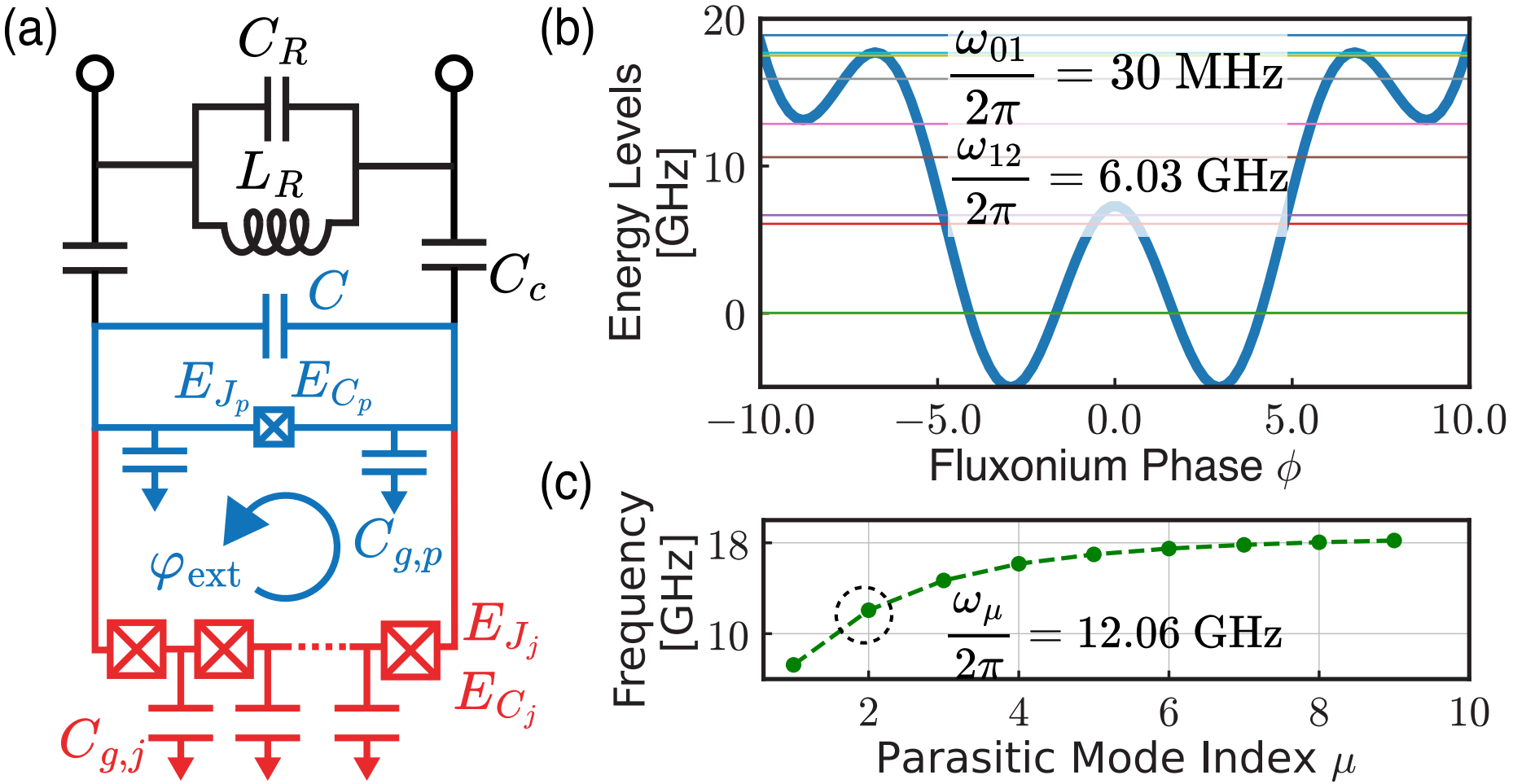
(a)
C_R
L_R
C_c
C
E_{J_p}
E_{C_p}
φ_{ext}
$C_{g,p}$
E_{J_j}
E_{C_j}
$C_{g,j}$
(b)
Energy Levels [GHz]
$\frac{\omega_{01}}{2\pi} = 30$ MHz
$\frac{\omega_{12}}{2\pi} = 6.03$ GHz
20
10
0
−10.0
−5.0
0.0
5.0
10.0
Fluxonium Phase ϕ
(c)
Frequency [GHz]
$\frac{\omega_\mu}{2\pi} = 12.06$ GHz
18
10
2
4
6
8
10
Parasitic Mode Index μ