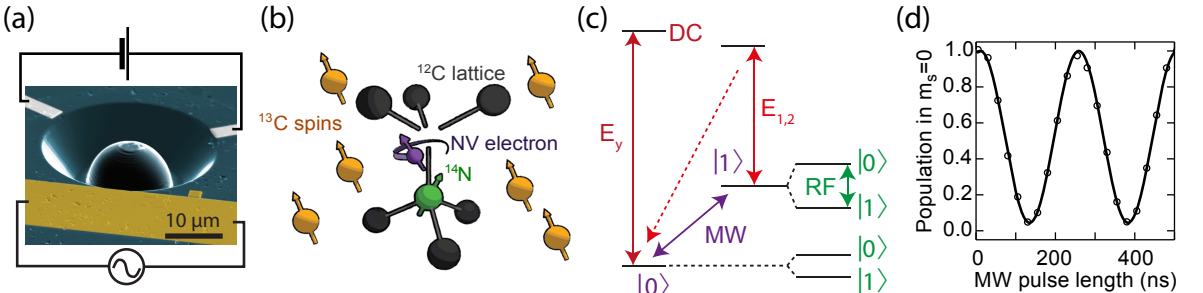
(a)
10 µm
(b)
12C lattice
13C spins
NV electron
14N
(c)
DC
Ey
E1,2
|1⟩
|0⟩
RF
MW
|0⟩
|1⟩
|0⟩
|1⟩
(d)
Population in ms=0
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
MW pulse length (ns)