Type 1: ZnO:Al characterization

CZ c-Si(p), 500 μ m, 3 Ω cm

with or w/o

ALD Al₂O₃

ALD ZnO

with or w/o Al-doping

450 nm

thermal Si₂O

Type 2: Contact resistivity studies

CZ c-Si(n), 185 μ m, 3 Ω cm

Sacrificial Al₂O₃
etched after anneal
ALD ZnO
with or w/o Al-doping
UV/O₃ Si₂O

n+ diffusion