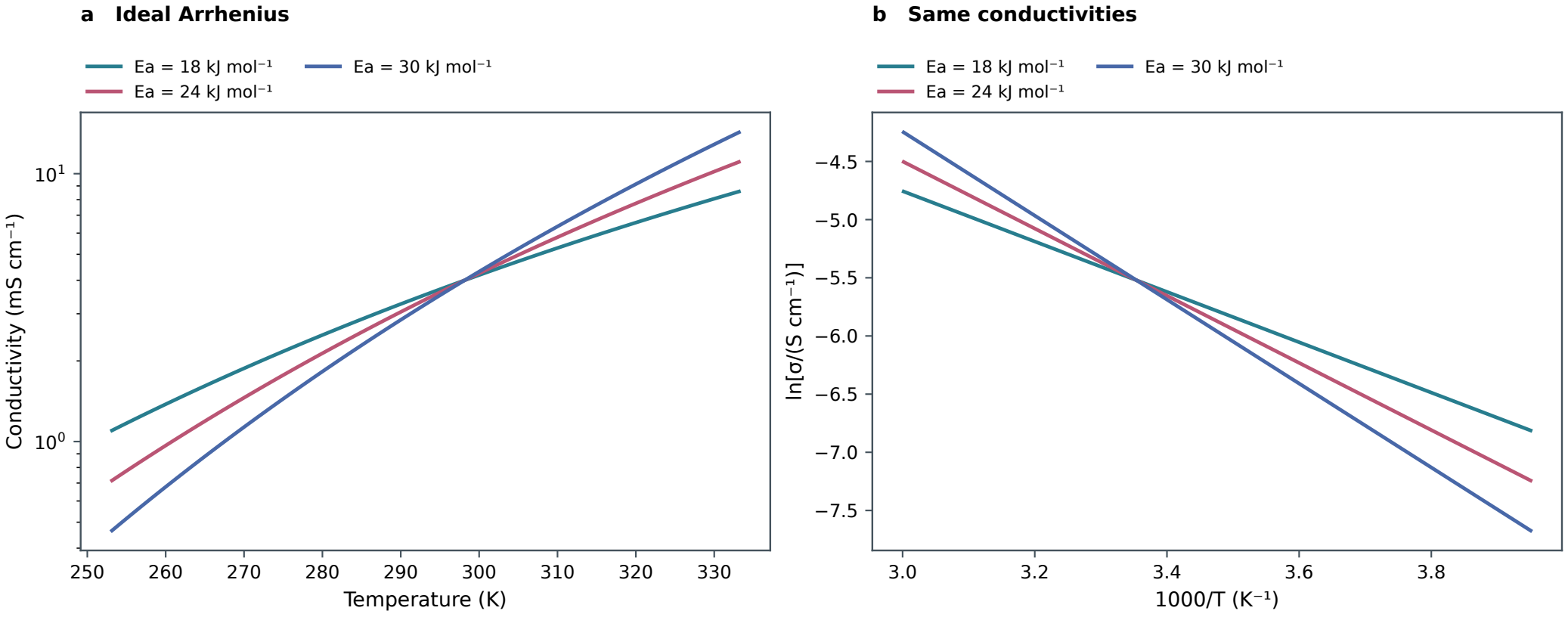

a Ideal Arrhenius
Ea = 18 kJ mol⁻¹
Ea = 24 kJ mol⁻¹
Ea = 30 kJ mol⁻¹
Conductivity (mS cm⁻¹)
10¹
10⁰
250
260
270
280
290
300
310
320
330
Temperature (K)
b Same conductivities
Ea = 18 kJ mol⁻¹
Ea = 24 kJ mol⁻¹
Ea = 30 kJ mol⁻¹
ln[σ/(S cm⁻¹)]
−4.5
−5.0
−5.5
−6.0
−6.5
−7.0
−7.5
3.0
3.2
3.4
3.6
3.8
1000/T (K⁻¹)