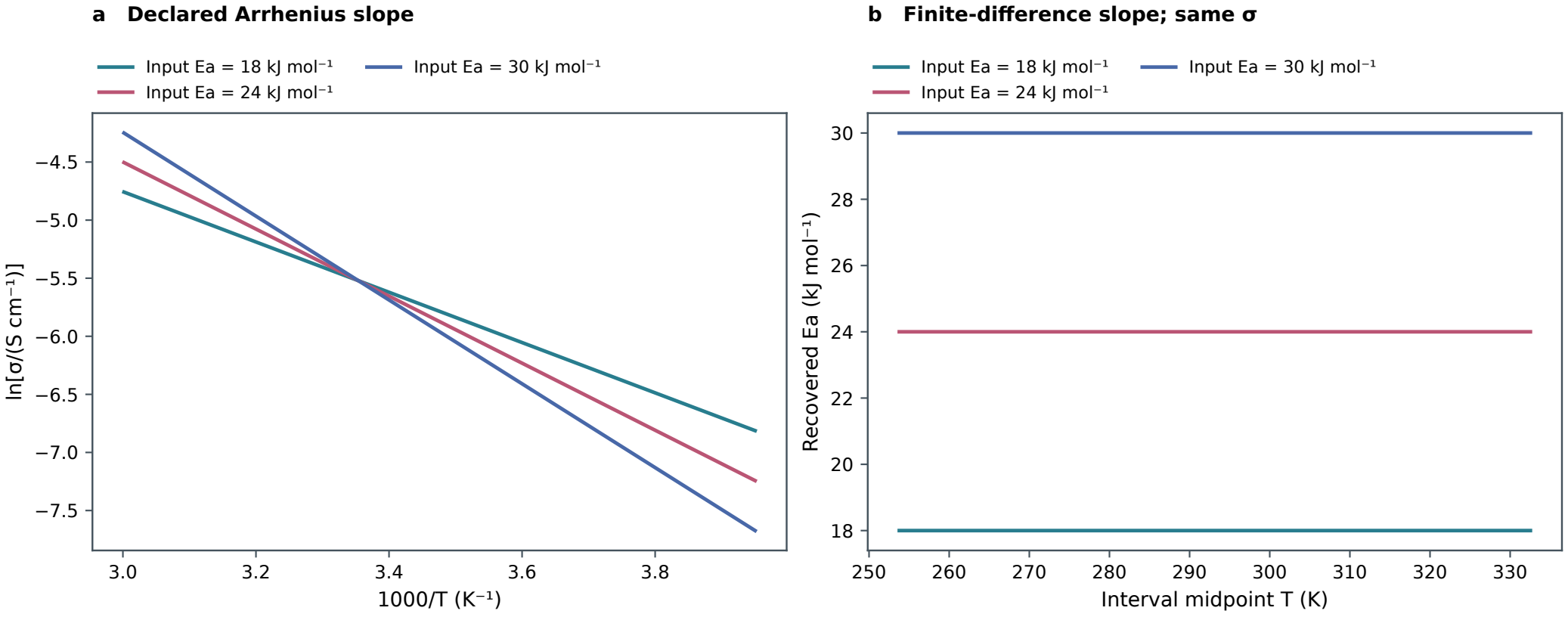

a Declared Arrhenius slope
Input Ea = 18 kJ mol⁻¹
Input Ea = 30 kJ mol⁻¹
Input Ea = 24 kJ mol⁻¹
ln[σ/(S cm⁻¹)]
−4.5
−5.0
−5.5
−6.0
−6.5
−7.0
−7.5
3.0
3.2
3.4
3.6
3.8
1000/T (K⁻¹)
b Finite-difference slope; same σ
Input Ea = 18 kJ mol⁻¹
Input Ea = 30 kJ mol⁻¹
Input Ea = 24 kJ mol⁻¹
Recovered Ea (kJ mol⁻¹)
30
28
26
24
22
20
18
250
260
270
280
290
300
310
320
330
Interval midpoint T (K)