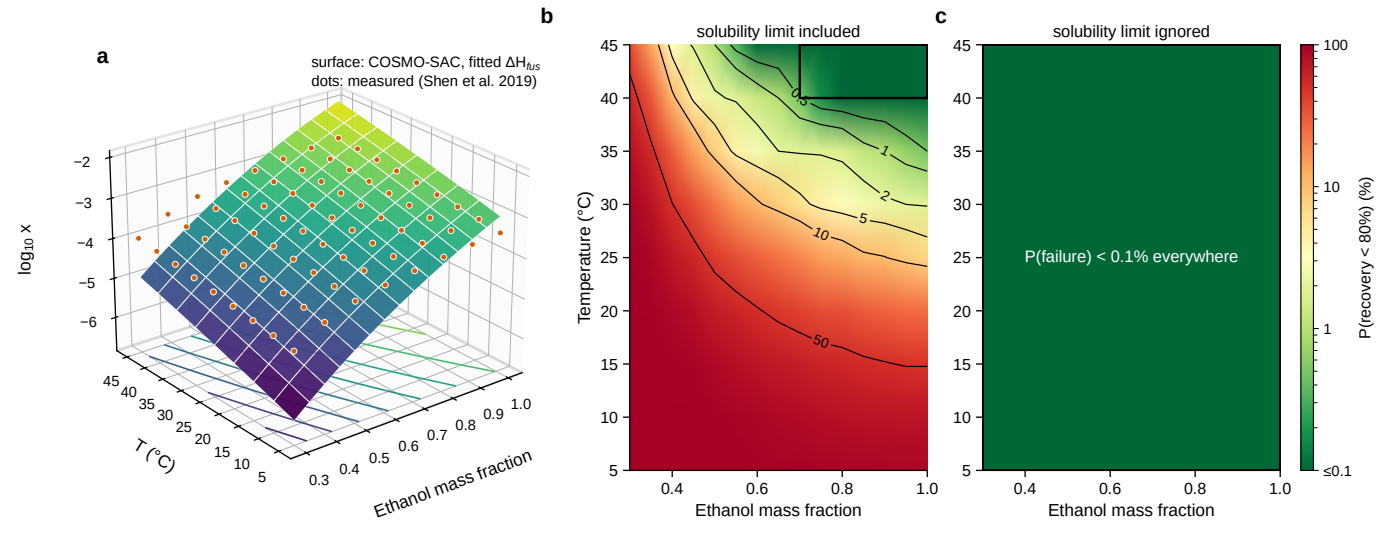

a
surface: COSMO-SAC, fitted ΔH_fus
dots: measured (Shen et al. 2019)
log10 x
−2
−3
−4
−5
−6
T (°C)
45
40
35
30
25
20
15
10
5
Ethanol mass fraction
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
b
solubility limit included
Temperature (°C)
0.5
1
2
5
10
50
Ethanol mass fraction
c
solubility limit ignored
P(failure) < 0.1% everywhere
Ethanol mass fraction
P(recovery < 80%) (%)
100
10
1
≤0.1