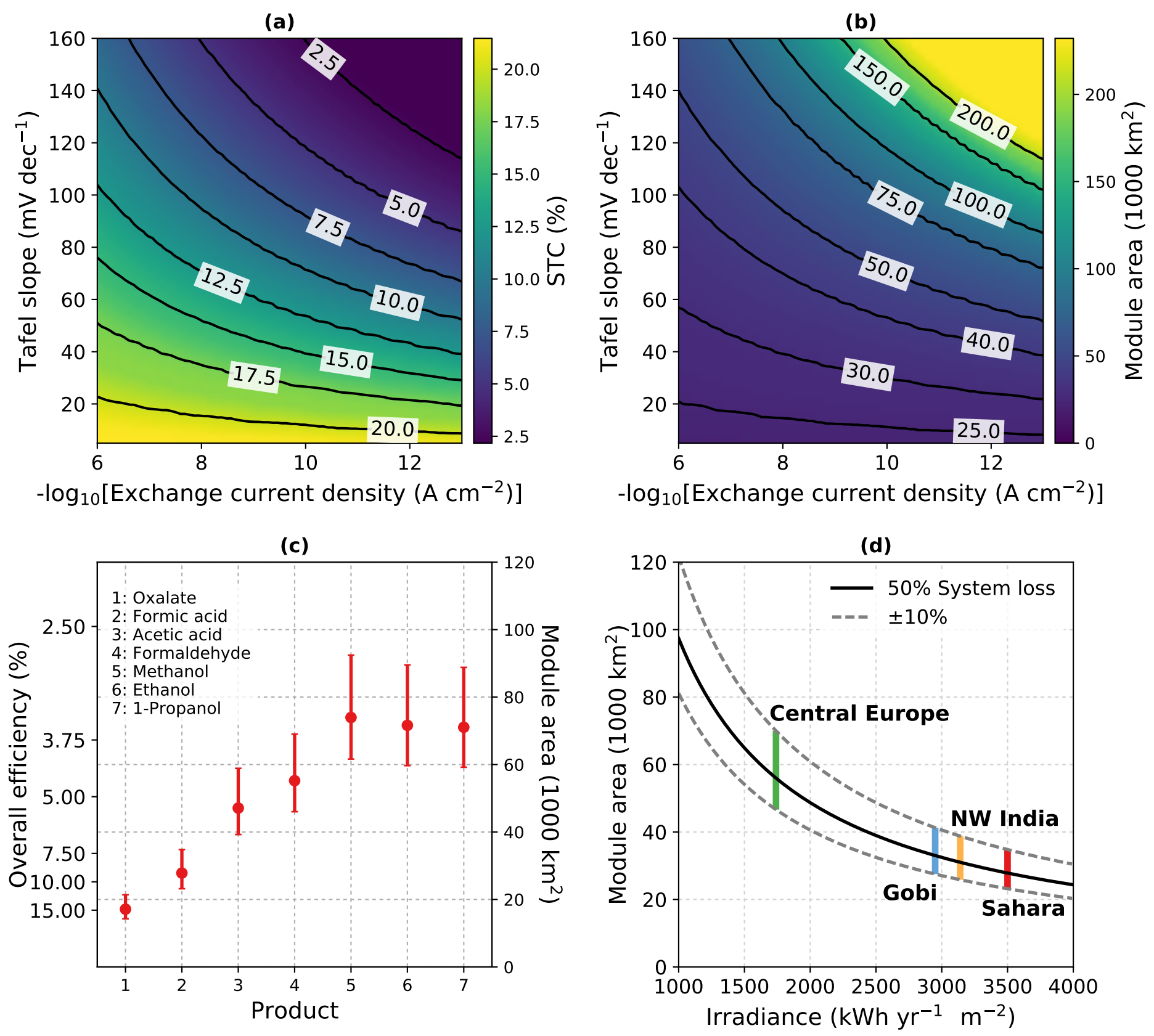
(a)
Tafel slope (mV dec$^{-1}$)
-log$_{10}$[Exchange current density (A cm$^{-2}$)]
STC (%)
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
(b)
Tafel slope (mV dec$^{-1}$)
-log$_{10}$[Exchange current density (A cm$^{-2}$)]
Module area (1000 km$^2$)
25.0
30.0
40.0
50.0
75.0
100.0
150.0
200.0
(c)
1: Oxalate
2: Formic acid
3: Acetic acid
4: Formaldehyde
5: Methanol
6: Ethanol
7: 1-Propanol
Overall efficiency (%)
Module area (1000 km$^2$)
Product
(d)
50% System loss
±10%
Central Europe
NW India
Gobi
Sahara
Module area (1000 km$^2$)
Irradiance (kWh yr$^{-1}$ m$^{-2}$)