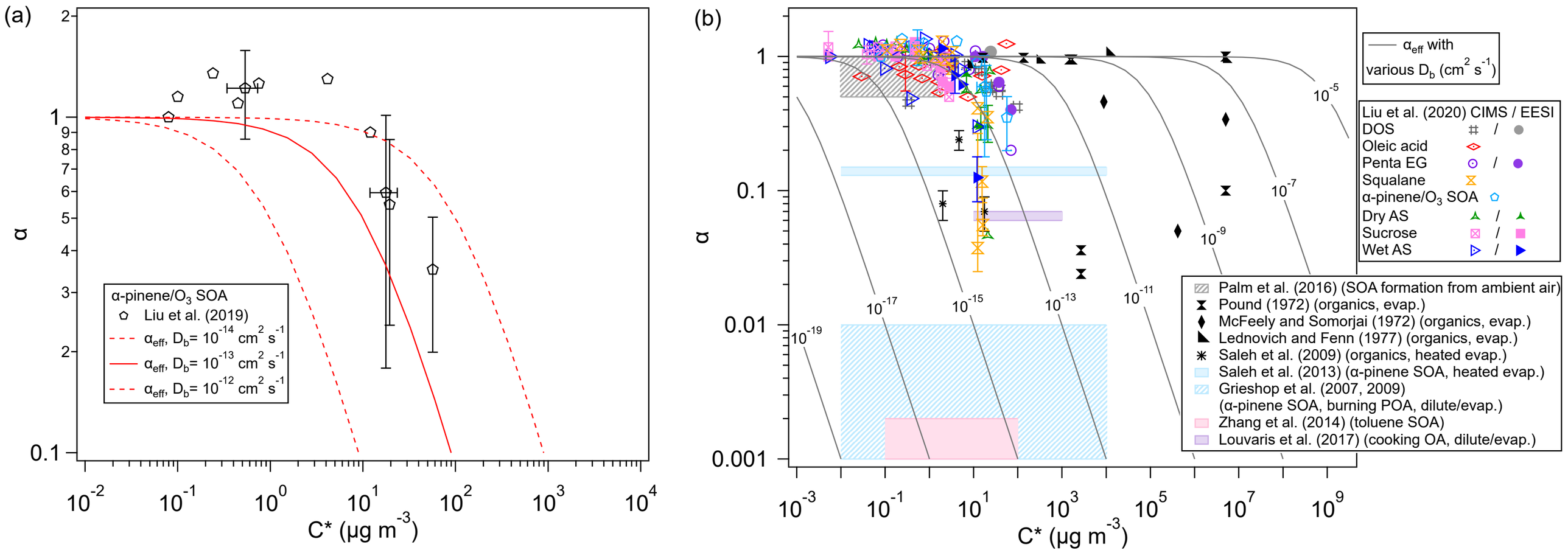
(a)
α
C* (μg m-3)
α-pinene/O3 SOA
Liu et al. (2019)
αeff, Db= 10-14 cm2 s-1
αeff, Db= 10-13 cm2 s-1
αeff, Db= 10-12 cm2 s-1
(b)
αeff with various Db (cm2 s-1)
10-5
10-7
10-9
10-11
10-13
10-15
10-17
10-19
Liu et al. (2020) CIMS / EESI
DOS
Oleic acid
Penta EG
Squalane
α-pinene/O3 SOA
Dry AS
Sucrose
Wet AS
Palm et al. (2016) (SOA formation from ambient air)
Pound (1972) (organics, evap.)
McFeely and Somorjai (1972) (organics, evap.)
Lednovich and Fenn (1977) (organics, evap.)
Saleh et al. (2009) (organics, heated evap.)
Saleh et al. (2013) (α-pinene SOA, heated evap.)
Grieshop et al. (2007, 2009)
(α-pinene SOA, burning POA, dilute/evap.)
Zhang et al. (2014) (toluene SOA)
Louvaris et al. (2017) (cooking OA, dilute/evap.)