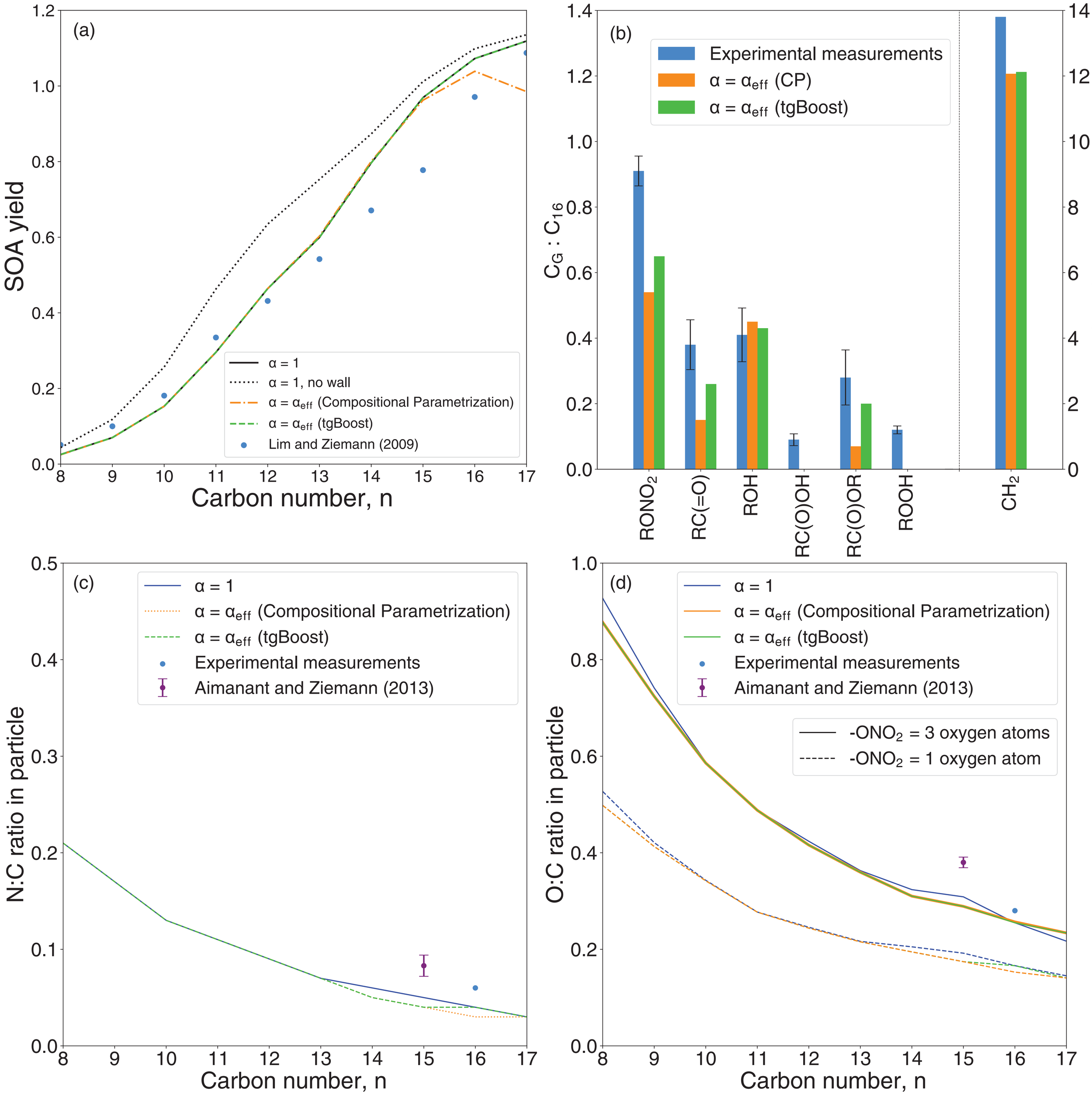
(a)
SOA yield
Carbon number, n
α = 1
α = 1, no wall
α = αeff (Compositional Parametrization)
α = αeff (tgBoost)
Lim and Ziemann (2009)
(b)
Experimental measurements
α = αeff (CP)
α = αeff (tgBoost)
CG : C16
CG : C16 - methylene
RONO2
RC(=O)
ROH
C(O)OH
C(O)OR
ROOH
CH2
(c)
N:C ratio in particle
Carbon number, n
α = 1
α = αeff (Compositional Parametrization)
α = αeff (tgBoost)
Experimental measurements
Aimanant and Ziemann (2013)
(d)
O:C ratio in particle
Carbon number, n
α = 1
α = αeff (Compositional Parametrization)
α = αeff (tgBoost)
Experimental measurements
Aimanant and Ziemann (2013)
-ONO2 = 3 oxygen atoms
-ONO2 = 1 oxygen atom