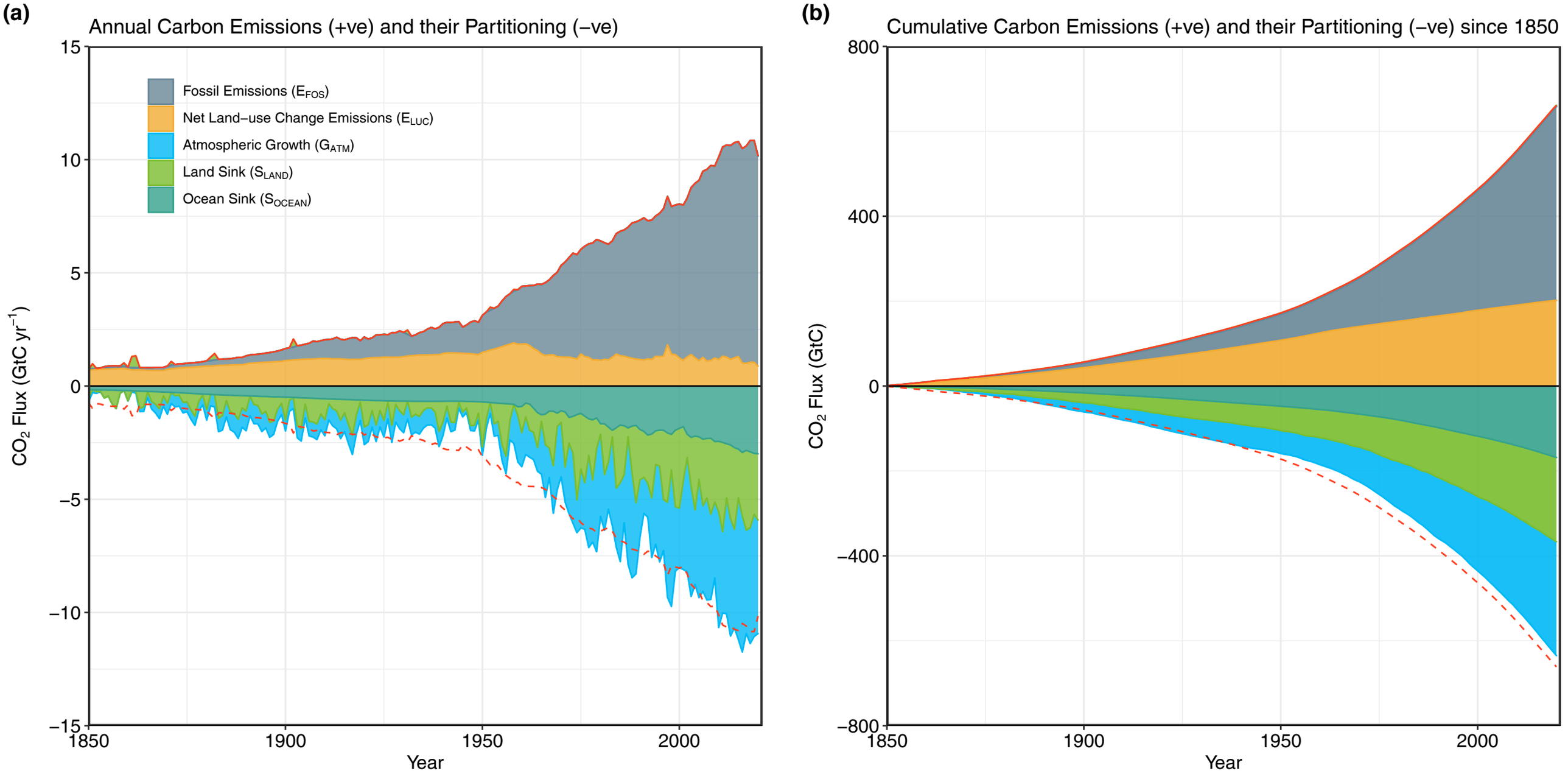
(a)
Annual Carbon Emissions (+ve) and their Partitioning (−ve)
Fossil Emissions (E_{FOS})
Net Land−use Change Emissions (E_{LUC})
Atmospheric Growth (G_{ATM})
Land Sink (S_{LAND})
Ocean Sink (S_{OCEAN})
CO_2 Flux (GtC yr^{-1})
15
10
5
0
−5
−10
−15
1850
1900
1950
2000
Year
(b)
Cumulative Carbon Emissions (+ve) and their Partitioning (−ve) since 1850
CO_2 Flux (GtC)
800
400
0
−400
−800
1850
1900
1950
2000
Year