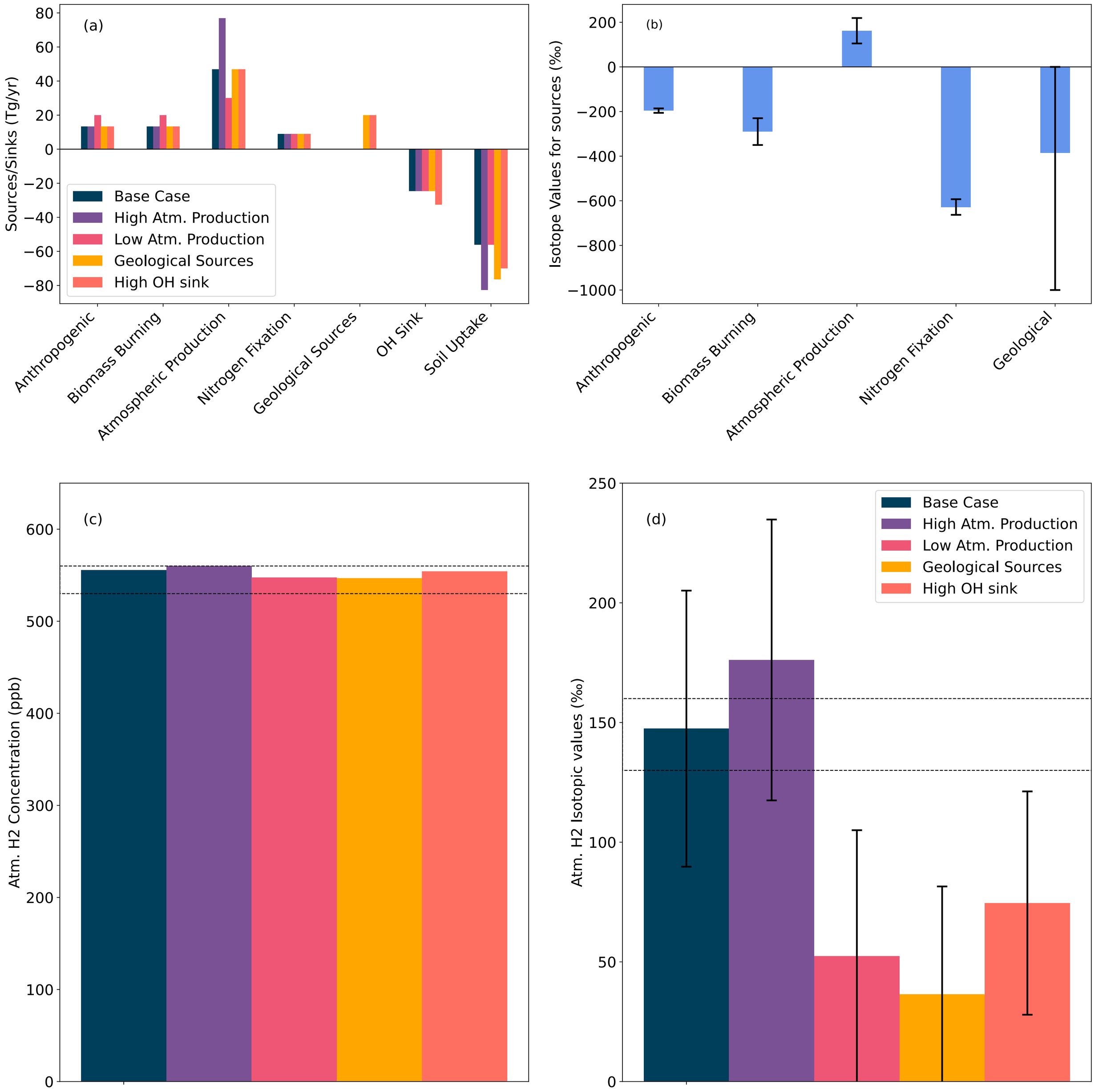
(a)
Sources/Sinks (Tg/yr)
80
60
40
20
0
−20
−40
−60
−80
Base Case
High Atm. Production
Low Atm. Production
Geological Sources
High OH sink
Anthropogenic
Biomass Burning
Atmospheric Production
Nitrogen Fixation
Geological Sources
OH Sink
Soil Uptake
(b)
Isotope Values for sources (‰)
200
0
−200
−400
−600
−800
−1000
Anthropogenic
Biomass Burning
Atmospheric Production
Nitrogen Fixation
Geological
(c)
Atm. H2 Concentration (ppb)
600
500
400
300
200
100
0
(d)
Atm. H2 Isotopic values (‰)
250
200
150
100
50
0
Base Case
High Atm. Production
Low Atm. Production
Geological Sources
High OH sink