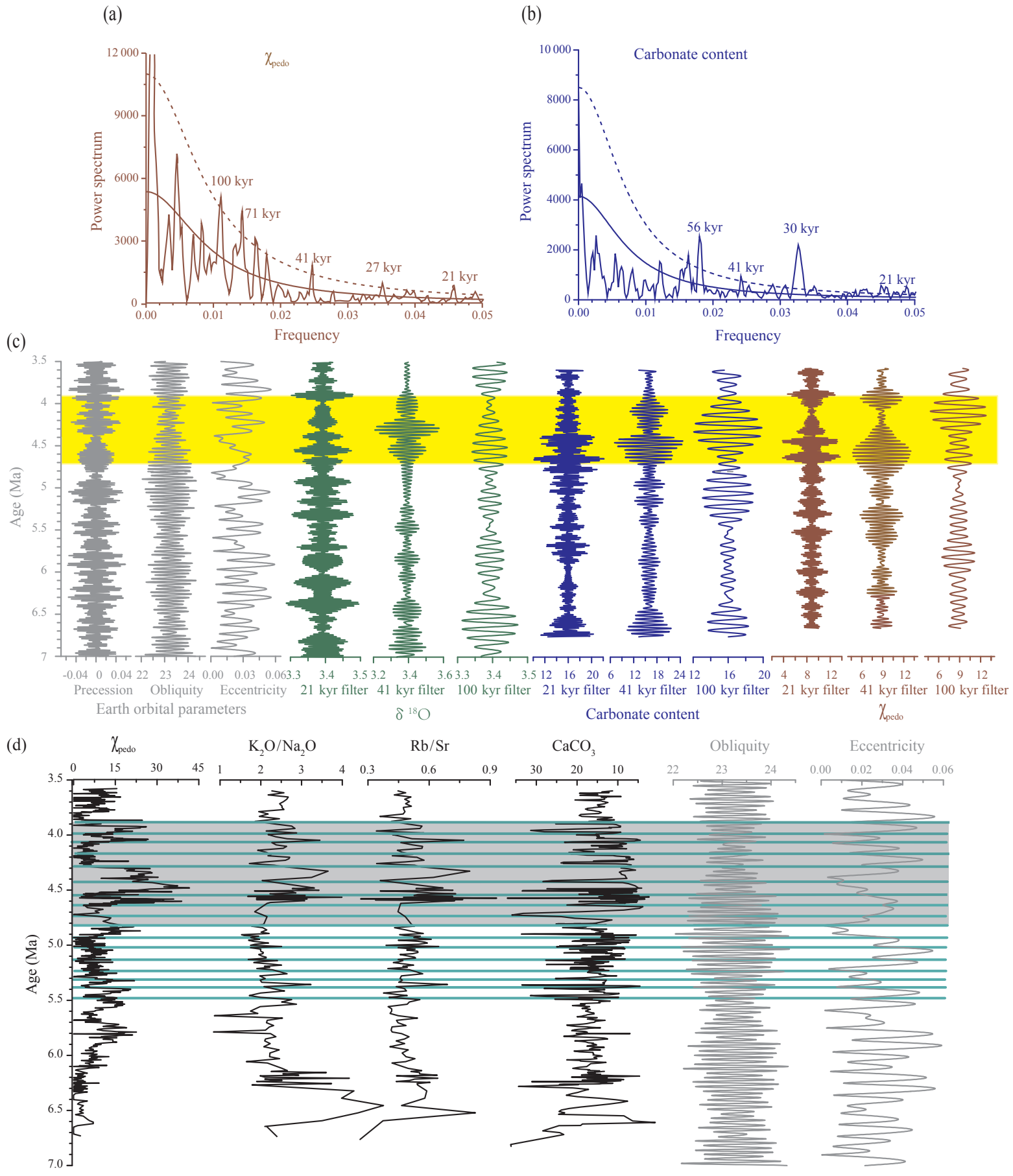
(a)
χpedo
Power spectrum
12 000
9000
6000
3000
0
100 kyr
71 kyr
41 kyr
27 kyr
21 kyr
0.00
0.01
0.02
0.03
0.04
0.05
Frequency
(b)
Carbonate content
Power spectrum
10 000
8000
6000
4000
2000
0
56 kyr
41 kyr
30 kyr
21 kyr
0.00
0.01
0.02
0.03
0.04
0.05
Frequency
(c)
Age (Ma)
3.5
4
4.5
5
5.5
6
6.5
7
-0.04 0 0.04
Precession
22 23 24
Obliquity
0.00 0.03 0.06
Eccentricity
Earth orbital parameters
3.3 3.4 3.5
21 kyr filter
3.2 3.4 3.6
41 kyr filter
3.3 3.4 3.5
100 kyr filter
δ 18O
12 16 20
21 kyr filter
6 12 18 24
41 kyr filter
12 16 20
100 kyr filter
Carbonate content
4 8 12
21 kyr filter
6 9 12
41 kyr filter
6 9 12
100 kyr filter
χpedo
(d)
χpedo
0 15 30 45
K2O/Na2O
1 2 3 4
Rb/Sr
0.3 0.6 0.9
CaCO3
30 20 10
Obliquity
22 23 24
Eccentricity
0.00 0.02 0.04 0.06
Age (Ma)
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0