

Table 3. Unit-cell parameters of diopside between 0.1 MPa and 10 GPa

P	a	b	c	$\beta$	V
(GPa)	(Å)	(Å)	(Å)	(°)	(Å <sup>3</sup> )
0.0	9.749(2)	8.922(1)	5.2480(8)	106.04(1)	438.82(11)
0.36	9.736(2)	8.909(1)	5.2420(9)	105.96(1)	437.22(11)
0.38	9.7330(6)	8.907(1)	5.2402(5)	105.961(5)	436.82(6)
0.73	9.719(2)	8.892(1)	5.2360(4)	105.902(9)	435.20(10)
0.81	9.7200(9)	8.8920(8)	5.2370(4)	105.910(7)	435.37(6)
1.19	9.7090(7)	8.882(1)	5.2271(6)	105.833(6)	433.70(7)
1.50	9.7042(4)	8.8749(8)	5.2242(4)	105.771(4)	432.99(5)
1.53	9.704(2)	8.873(1)	5.2240(9)	105.80(1)	432.88(11)
1.78	9.6907(8)	8.856(1)	5.2158(7)	105.739(7)	430.85(8)
2.15	9.691(2)	8.852(2)	5.215(1)	105.73(2)	430.70(12)
2.38	9.6758(9)	8.841(1)	5.2087(7)	105.667(7)	429.07(8)
2.75	9.6688(9)	8.833(2)	5.2042(7)	105.630(7)	428.06(8)
2.95	9.6638(9)	8.824(1)	5.2013(6)	105.597(6)	427.23(7)
3.15	9.6586(7)	8.82(1)	5.1988(6)	105.573(6)	426.65(6)
3.33	9.659(2)	8.817(2)	5.198(1)	105.58(2)	426.54(13)
3.65	9.651(2)	8.808(2)	5.194(1)	105.54(2)	425.44(12)
3.88	9.640(1)	8.799(2)	5.1889(8)	105.501(8)	424.18(9)
4.44	9.628(1)	8.784(2)	5.1814(8)	105.446(8)	422.44(9)
4.83	9.620(1)	8.775(2)	5.1767(9)	105.416(9)	421.30(10)
5.40	9.6059(6)	8.756(1)	5.1681(5)	105.353(5)	419.20(6)
5.74	9.596(4)	8.754(4)	5.166(2)	105.25(3)	418.72(25)
5.95	9.594(4)	8.748(3)	5.165(2)	105.24(3)	418.33(22)
6.00	9.5947(9)	8.745(1)	5.1623(7)	105.314(8)	417.77(8)
6.04	9.592(2)	8.748(2)	5.162(1)	105.27(2)	417.95(14)
6.45	9.586(2)	8.732(1)	5.1580(9)	105.26(1)	416.65(10)
6.47	9.588(2)	8.732(1)	5.1570(9)	105.26(1)	416.65(10)
6.95	9.576(2)	8.718(2)	5.151(1)	105.22(2)	415.03(11)
7.08	9.577(2)	8.714(2)	5.150(1)	105.21(2)	414.84(13)
7.63	9.562(2)	8.697(2)	5.143(1)	105.17(2)	412.87(11)
8.35	9.551(2)	8.682(1)	5.1359(9)	105.14(1)	411.13(10)
8.75	9.543(2)	8.669(1)	5.130(1)	105.09(1)	409.79(10)
9.34	9.529(2)	8.655(1)	5.1240(9)	105.06(1)	408.15(10)
9.97	9.520(1)	8.640(1)	5.1180(7)	105.03(1)	406.62(8)

Note: Standard deviations in the last decimal digit are given in parentheses