

Studies of Structural, Dielectric and Electrical Characteristics of Complex Perovskite: $\text{Pb}(\text{Co}_{1/3}\text{Mn}_{1/3}\text{W}_{1/3})\text{O}_3$

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Supplementary Information

General Information

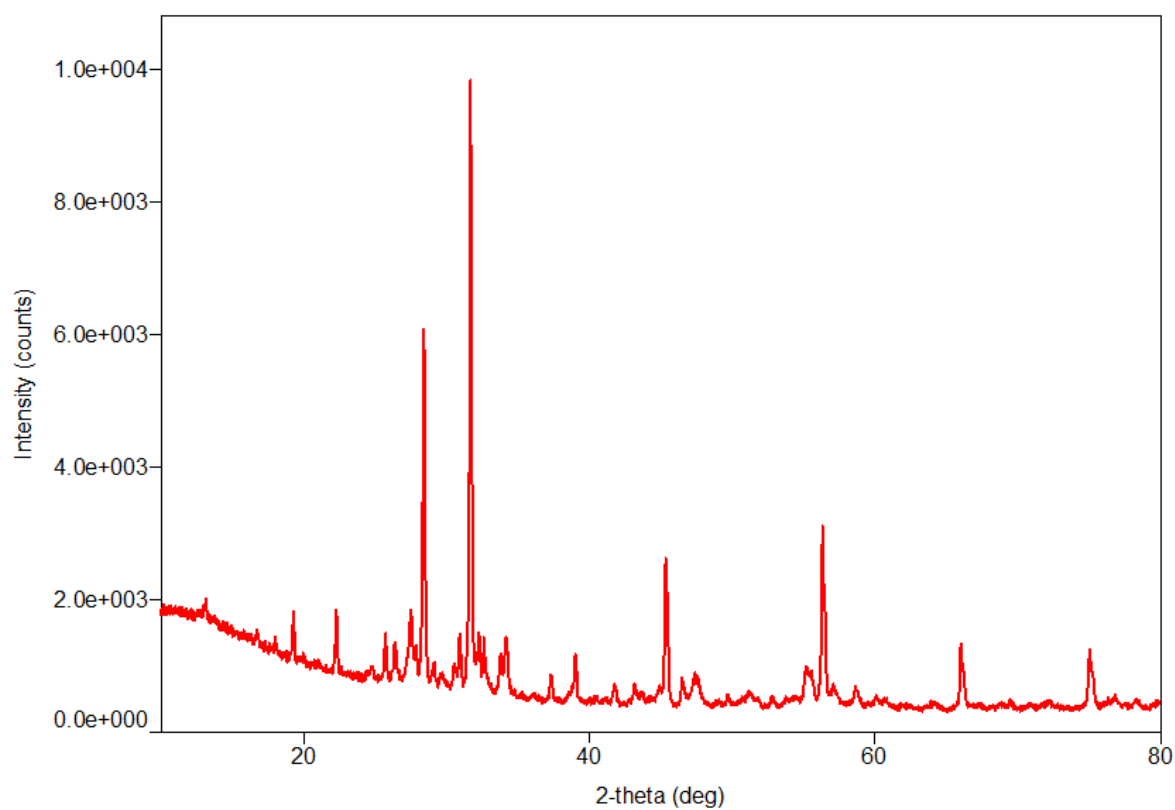


Fig.1. The XRD diffraction pattern of the $\text{Pb}(\text{Co}_{1/3}\text{Mn}_{1/3}\text{W}_{1/3})\text{O}_3$

Peak list**Table 1.** The details of the peaks and the corresponding full width and full width at half maximum(FWHM)

No.	2-theta(deg)	d(ang.)	Height(counts)	FWHM(deg)	Int. I(counts deg)	Int. W(deg)	Asym. factor
1	13.163(13)	6.720(7)	190(14)	0.16(3)	60(5)	0.32(5)	2.8(13)
2	16.74(5)	5.291(15)	110(10)	0.17(5)	25(5)	0.23(7)	1.0(14)
3	18.024(12)	4.917(3)	174(13)	0.06(2)	20(2)	0.12(2)	1.2(14)
4	19.259(5)	4.6049(13)	594(24)	0.094(8)	87(3)	0.146(12)	0.58(17)
5	22.299(8)	3.9835(14)	650(25)	0.137(9)	114(3)	0.175(12)	2.3(9)
6	24.787(11)	3.5889(16)	127(11)	0.22(5)	46(4)	0.36(6)	1.5(13)
7	25.740(5)	3.4583(6)	539(23)	0.120(7)	92(3)	0.172(13)	2.6(4)
8	26.365(12)	3.3776(15)	445(21)	0.16(2)	119(4)	0.27(2)	0.6(3)
9	27.541(11)	3.2361(12)	663(26)	0.337(11)	254(10)	0.38(3)	2.6(5)
10	27.868(5)	3.1988(6)	330(18)	0.16(2)	59(7)	0.18(3)	2.6(5)
11	28.415(4)	3.1384(4)	3879(62)	0.153(3)	796(6)	0.205(5)	1.55(16)
12	29.10(2)	3.066(2)	207(14)	0.18(2)	40(4)	0.19(3)	1.6(7)
13	29.69(4)	3.007(3)	99(10)	0.30(4)	32(4)	0.33(7)	1.6(7)
14	30.56(2)	2.9224(19)	213(15)	0.23(3)	53(4)	0.25(4)	1.1(4)
15	30.917(13)	2.8899(12)	538(23)	0.148(10)	85(6)	0.157(18)	1.1(4)
16	31.681(2)	2.8220(2)	7625(87)	0.115(3)	1268(10)	0.166(3)	1.29(12)
17	32.281(9)	2.7708(8)	469(22)	0.274(15)	174(7)	0.37(3)	2.5(5)
18	32.642(4)	2.7411(3)	574(24)	0.093(9)	73(9)	0.13(2)	2.5(5)
19	32.88(2)	2.722(2)	113(11)	0.32(10)	49(14)	0.44(17)	2.5(5)
20	33.805(6)	2.6493(5)	413(20)	0.166(14)	94(6)	0.23(3)	2.5(5)
21	34.207(8)	2.6192(6)	629(25)	0.247(14)	212(8)	0.34(3)	2.5(5)
22	37.323(10)	2.4073(6)	320(18)	0.128(12)	53(3)	0.166(18)	1.9(8)
23	38.577(12)	2.3319(7)	73(9)	0.10(3)	12(3)	0.17(6)	1.3(3)
24	39.026(6)	2.3061(3)	572(24)	0.143(10)	143(5)	0.250(19)	1.3(3)
25	39.359(13)	2.2873(7)	53(7)	0.06(4)	5(3)	0.10(7)	1.3(3)
26	41.13(2)	2.1927(12)	47(7)	0.18(8)	10(2)	0.20(8)	1.3(8)
27	41.762(7)	2.1611(4)	183(14)	0.22(3)	45(4)	0.25(4)	1.3(8)

28	43.15(3)	2.0948(13)	203(14)	0.22(4)	62(7)	0.30(6)	1.0(6)
29	43.66(4)	2.0717(17)	75(9)	0.25(11)	26(6)	0.35(12)	1.0(6)
30	44.825(14)	2.0203(6)	131(11)	0.26(5)	43(5)	0.33(7)	0.75(9)
31	45.348(5)	1.9982(2)	1794(42)	0.174(5)	390(7)	0.217(9)	0.75(9)
32	46.496(8)	1.9515(3)	328(18)	0.144(13)	50(4)	0.15(2)	0.93(12)
33	46.73(3)	1.9422(13)	76(9)	0.21(8)	17(5)	0.22(9)	0.93(12)
34	47.41(2)	1.9159(8)	273(17)	0.608(19)	177(6)	0.65(6)	0.93(12)
35	49.674(12)	1.8338(4)	143(12)	0.114(11)	17(2)	0.12(2)	1.0(5)
36	51.13(2)	1.7848(7)	113(11)	0.83(6)	122(8)	1.08(17)	0.8(3)
37	52.743(11)	1.7341(3)	112(11)	0.11(3)	13(4)	0.11(4)	0.5(7)
38	55.154(17)	1.6639(5)	347(19)	0.24(4)	103(20)	0.30(7)	1.1(5)
39	55.50(2)	1.6542(6)	292(17)	0.30(7)	107(20)	0.37(9)	1.1(5)
40	56.325(3)	1.63204(7)	2432(49)	0.149(3)	506(5)	0.208(6)	0.91(8)
41	57.116(12)	1.6113(3)	189(14)	0.19(3)	65(4)	0.35(5)	1.7(5)
42	58.64(3)	1.5730(7)	179(13)	0.28(2)	54(4)	0.30(4)	0.9(4)
43	60.07(2)	1.5390(5)	115(11)	0.18(3)	25(3)	0.21(5)	1.0(5)
44	60.66(5)	1.5254(11)	68(8)	0.38(7)	32(3)	0.47(11)	1.0(5)
45	64.08(11)	1.452(2)	45(7)	0.58(9)	28(5)	0.6(2)	1.2(9)
46	66.029(5)	1.41374(9)	914(30)	0.168(5)	222(3)	0.243(12)	1.05(15)
47	68.80(3)	1.3635(6)	41(6)	0.32(12)	16(3)	0.39(14)	0.5(6)
48	69.438(11)	1.35243(19)	83(9)	0.14(3)	14(2)	0.17(5)	0.5(6)
49	72.08(3)	1.3092(5)	62(8)	0.36(9)	34(4)	0.55(14)	0.8(6)
50	75.047(6)	1.26465(9)	814(29)	0.210(7)	230(4)	0.282(15)	1.4(2)
51	76.69(3)	1.2416(4)	79(9)	0.75(6)	80(4)	1.01(17)	1.4(2)
52	78.25(2)	1.2206(3)	78(9)	0.25(5)	21(4)	0.27(8)	1.1(8)