Figure- 1

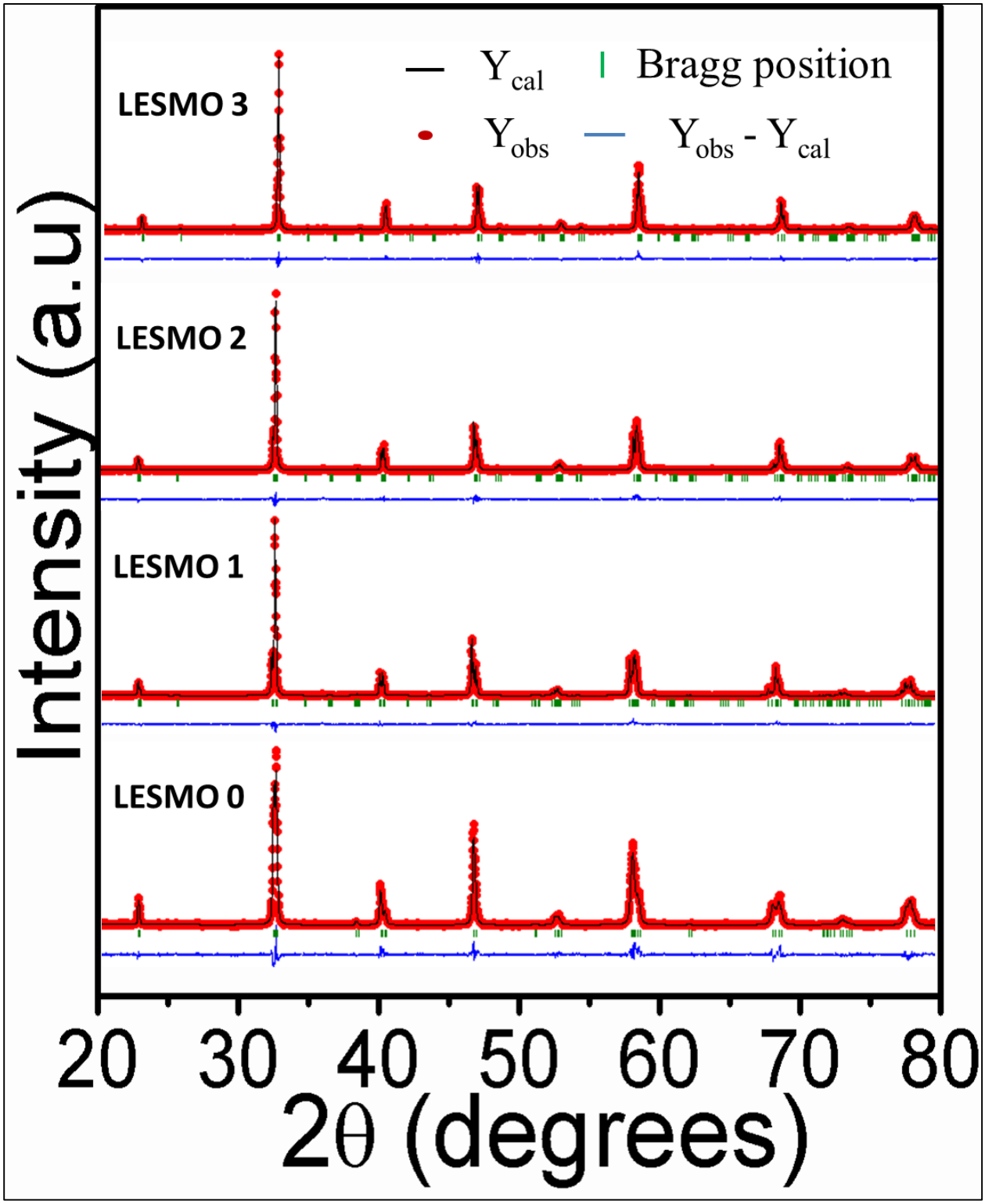



Figure- 3

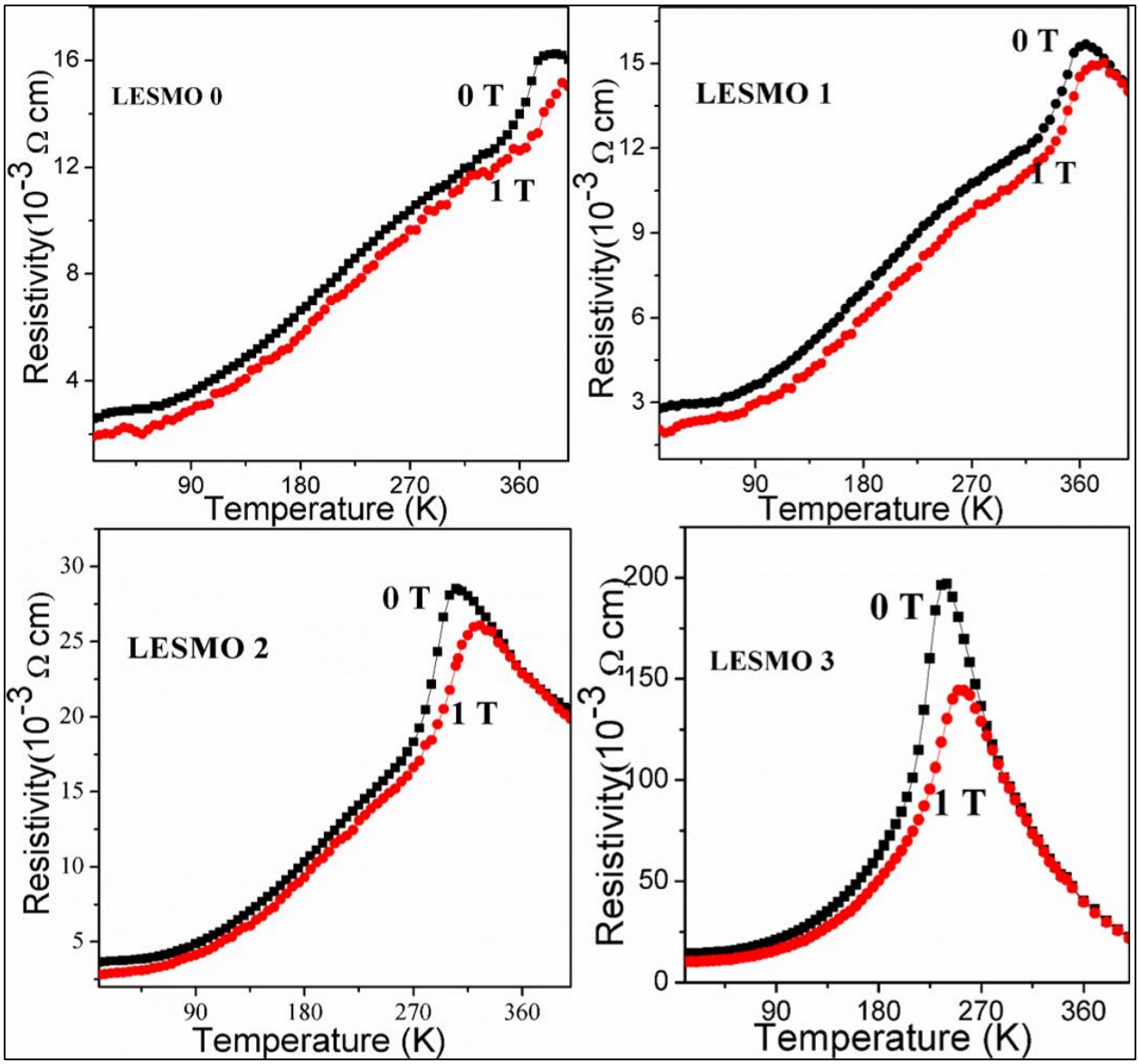

LESMO 0
0 T
1 T
Resistivity($10^{-3}$ Ω cm)
Temperature (K)
LESMO 1
0 T
1 T
Resistivity($10^{-3}$ Ω cm)
Temperature (K)
LESMO 2
0 T
1 T
Resistivity($10^{-3}$ Ω cm)
Temperature (K)
LESMO 3
0 T
1 T
Resistivity($10^{-3}$ Ω cm)
Temperature (K)

Figure- 4

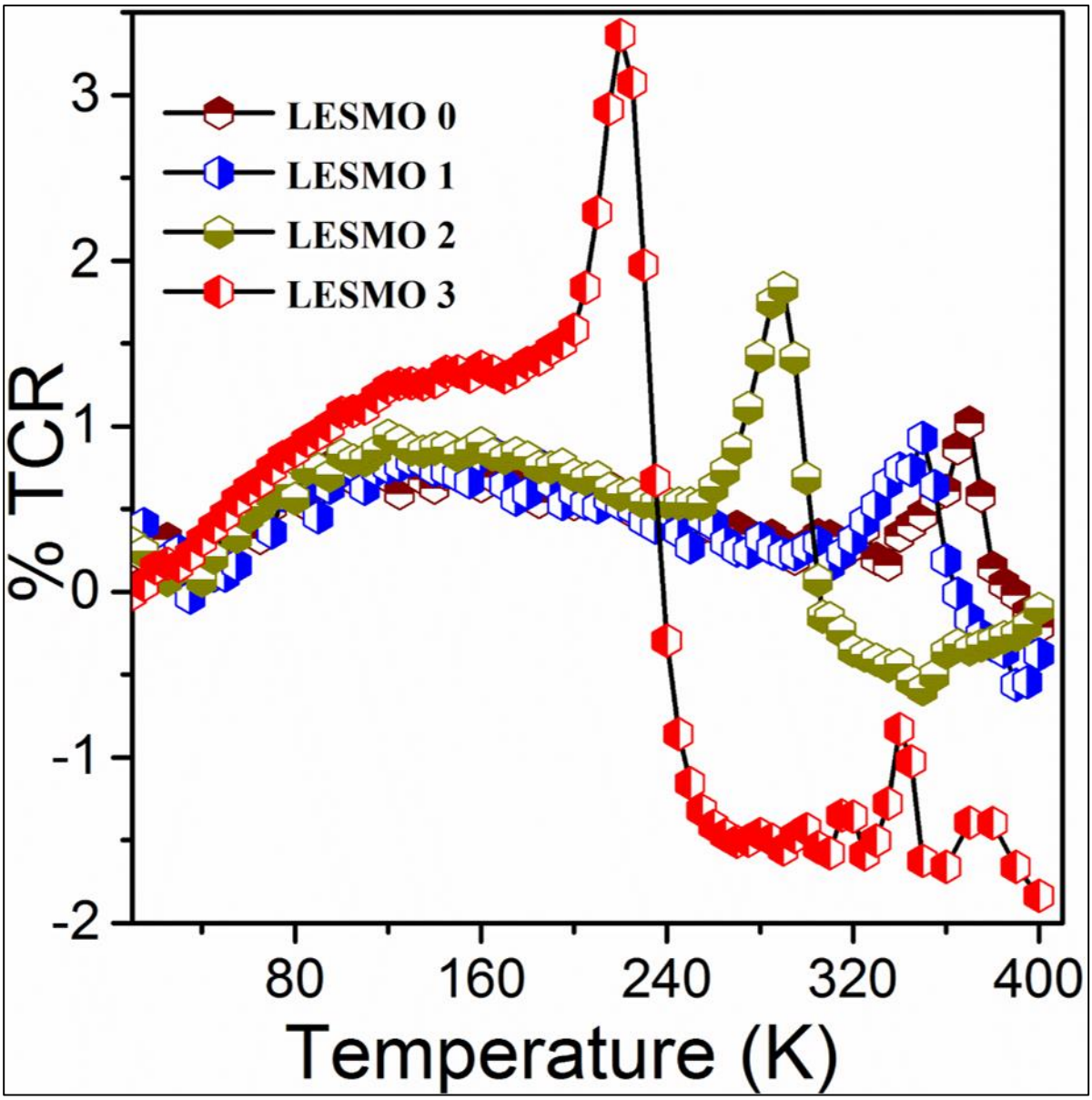

LESMO 0
LESMO 1
LESMO 2
LESMO 3
% TCR
3
2
1
0
-1
-2
80
160
240
320
400
Temperature (K)

Figure- 5

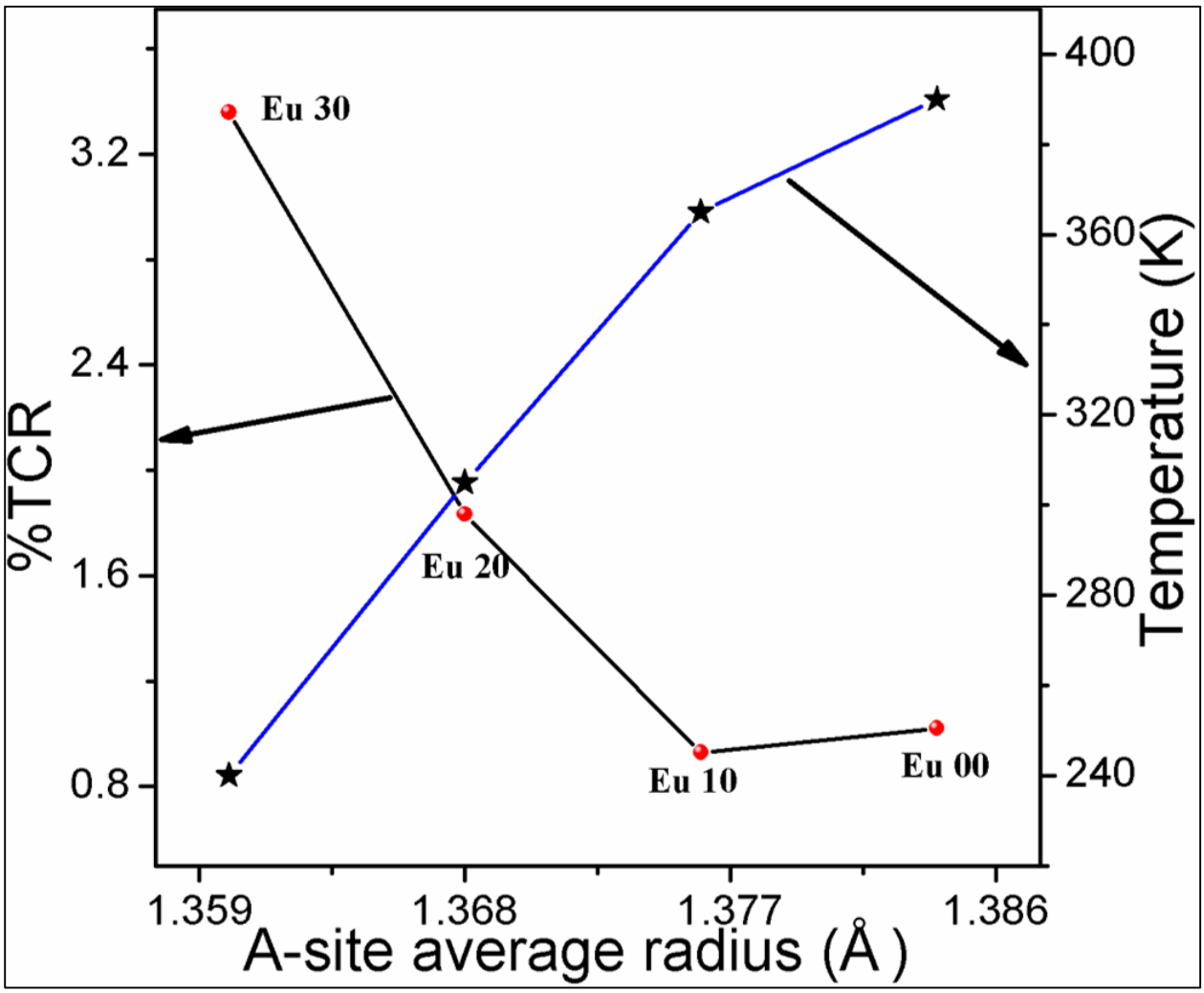

Eu 30
Eu 20
Eu 10
Eu 00
%TCR
Temperature (K)
A-site average radius (Å )
3.2
2.4
1.6
0.8
400
360
320
280
240
1.359
1.368
1.377
1.386

Figure- 6

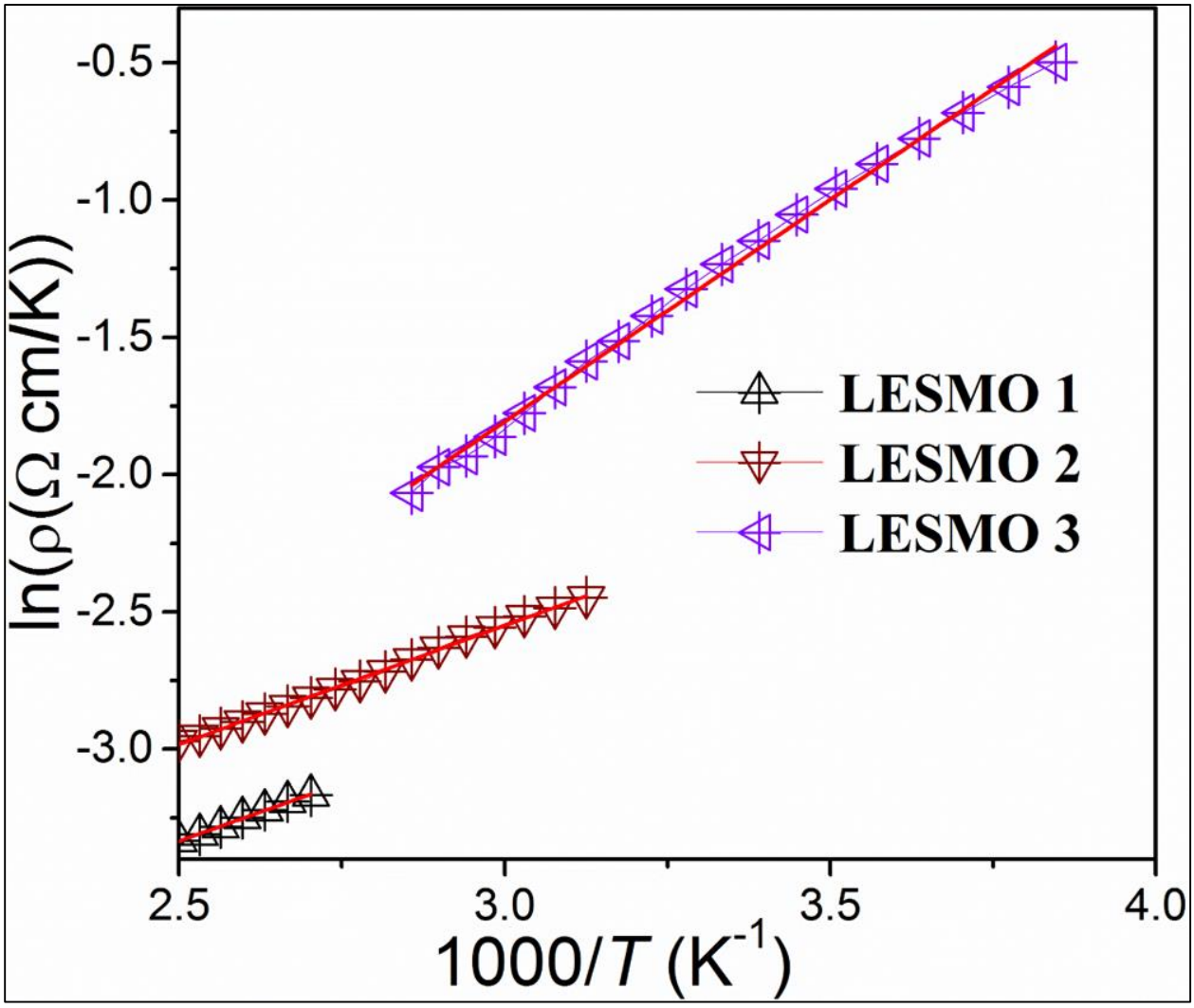
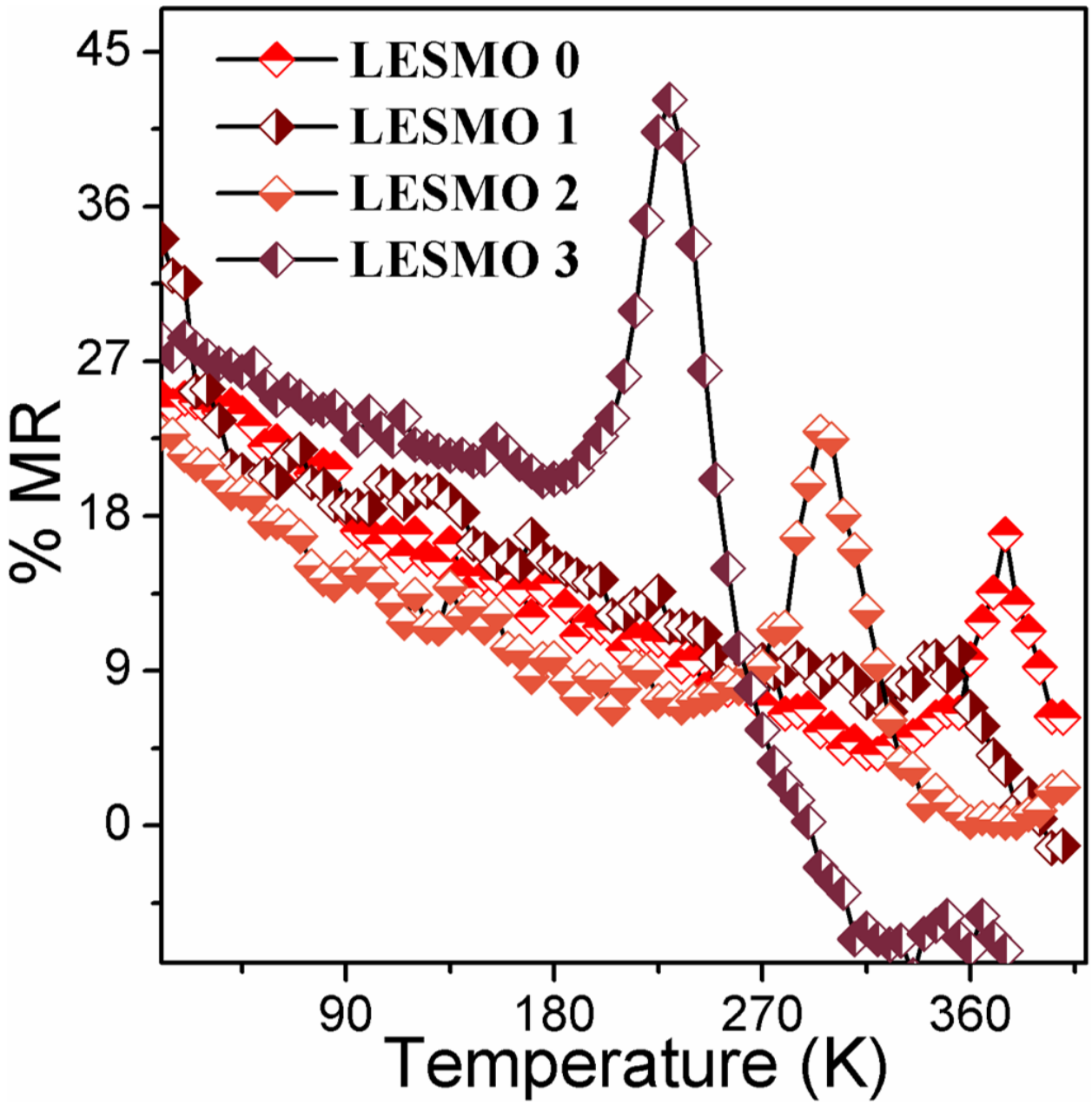

-0.5
-1.0
-1.5
-2.0
-2.5
-3.0
ln(ρ(Ω cm/K))
2.5
3.0
3.5
4.0
1000/T (K-1)
LESMO 1
LESMO 2
LESMO 3

Figure- 7


LESMO 0
LESMO 1
LESMO 2
LESMO 3
% MR
45
36
27
18
9
0
90
180
270
360
Temperature (K)