

Table 3 Intrinsic potential difference between doped Mg with R atom and pure Mg.

R	Intrinsic potential difference (V)	R	Intrinsic potential difference (V)
Mg	0	Ca	-0.25
Sn	0.03	Sr	-0.53
Y	-0.07	Ba	-1.05
Li	-0.01	Fe	0.05
Gd	-0.07	Mo	0.1
Nd	-0.12	Mn	0.07
Sc	0	W	0.09
Zn	0.02		