

Table 1 Atomic radius ratio of metal element R (R = Mg, Fe, Mn, Zn, Mo, W, Li, Sn, Zr, Sc, Y, Gd, Nd, Ca, Sr, Ba) to Mg.

R	Radius (Å)	Radius ratio	R	Radius (Å)	Radius ratio
Mg	1.60	1.000	Fe	1.27	0.794
Mn	1.32	0.825	Zn	1.39	0.869
Mo	1.40	0.875	W	1.41	0.881
Li	1.54	0.963	Sn	1.58	0.988
Ba	2.24	1.400	Sc	1.64	1.025
Y	1.80	1.125	Gd	1.80	1.125
Nd	1.82	1.138	Ca	1.97	1.231
Sr	2.15	1.344			