

## ERRATUM

1. Page 10. Eq. (2) misses sigma ( $\Sigma$ ) signs, and therefore, should be

$$G_{tot} = \sum_{\phi} \sum_i (\mu_i^{\phi} n_i^{\phi}) = \sum_{\phi} y^{\phi} \sum_{i=1}^n \left( N_i \mu_i^0 + RT \sum_i N_i \ln N_i + G_m^E \right) \quad (2)$$

2. Page 10. Eq. (3) misses sigma ( $\Sigma$ ) signs, and therefore, should be

$$G_m^E = N_1 N_2 \sum_{k=0}^n L_{12}^k (N_1 - N_2)^k \quad (3)$$

3. Page 17. Fig. 2 misses the y-axis title of  $D_{Cu}^*$  ( $\text{cm}^2/\text{s}$ )

4. Page 32. In Fig. 8(a) the unit in the y-axis title is (mm/s), where it should be ( $\mu\text{m}/\text{s}$ ).

5. Page 32. In Fig. 8 the figure text is " Fig. 8. (a) The calculated dissolution rates and (b) the maximum stable solubilities (the compositions are in atomic percents) of silver, gold, copper and nickel into the eutectic Sn43Bi solder as a function of temperature compared with the literature data (solid lines) [67]."

It should be " Fig. 8. (a) The calculated dissolution rates and (b) the maximum stable solubilities (the compositions are in atomic percents) of silver, gold, copper and nickel into the eutectic Sn43Bi solder as a function of temperature."

6. Page 41. it is written: "... consists of five publications". It should be: "... consists of four publications".