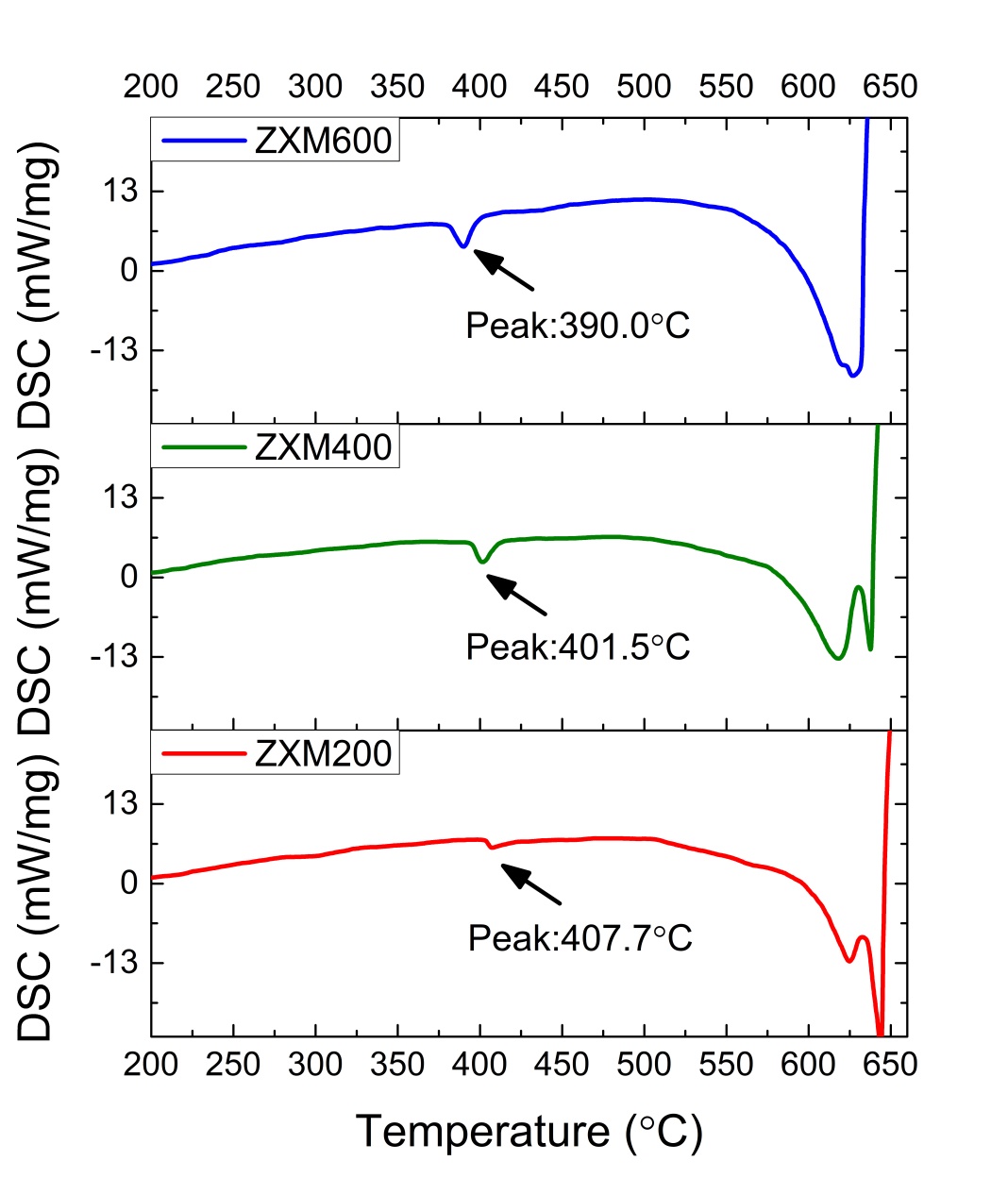
Supplementary Information

Effect of Zn content on microstructure, mechanical properties and thermal conductivity of extruded Mg–Zn–Ca–Mn alloys

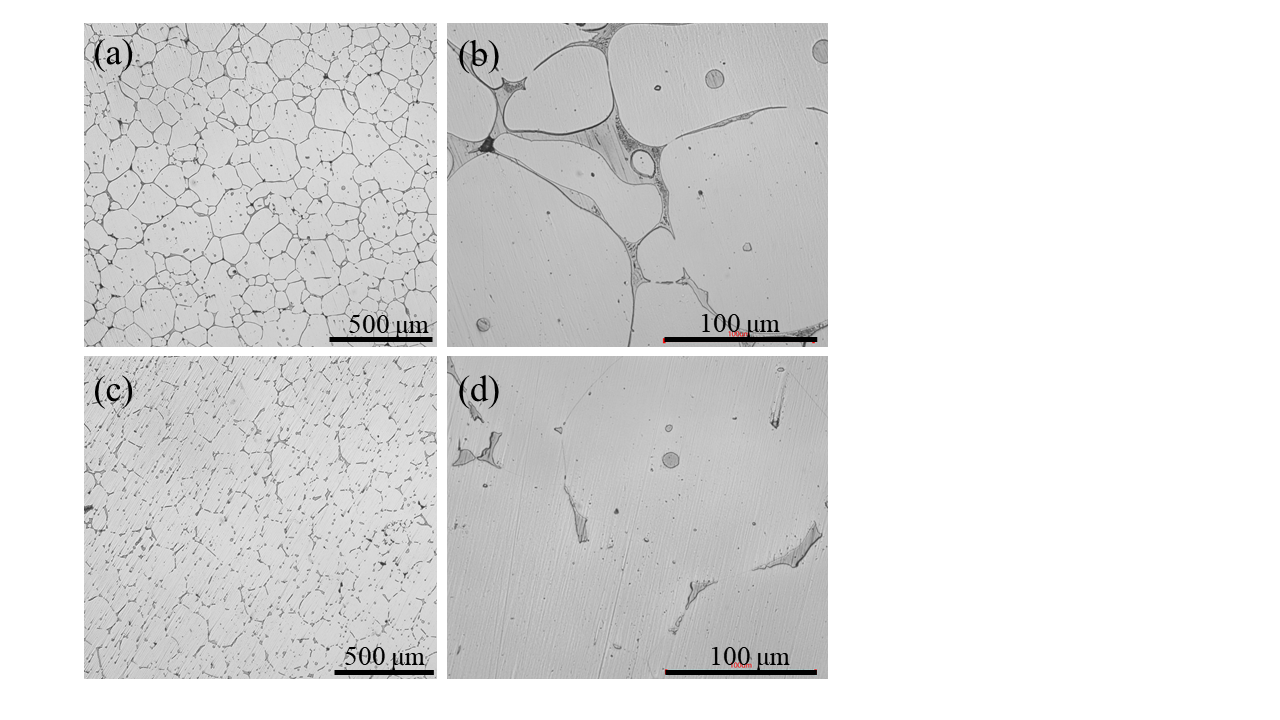
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**Fig. S1.** **Differential scanning calorimetry results of Mg–Zn–Ca–Mn alloys.**



**Fig. S2.** **OM images of Mg–2Zn–0.4Ca–0.2Mn (wt%) alloys after different homogenization time: (a, b) 12 h and (c, d) 26 h in (a, c) low magnification and (b, d) high magnification.**



**Fig. S3. Distribution of Schmid factor for {0001}<110> dislocation slip: (a, d) ZXM200 alloy; (b, e) ZXM400 alloy; (c, f) ZXM600 alloy.**