Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2015

Electronic Supplementary Information

Journal name: RSC Advances

Synthesis, microstructure and properties of Ti-Al porous intermetallic compounds prepared by thermal explosion reaction

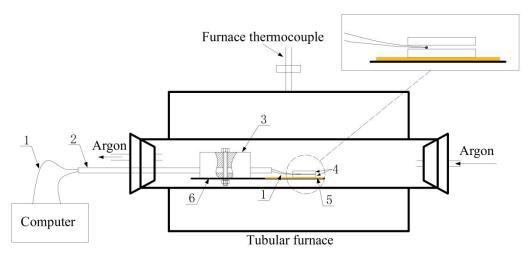
Quanlin Shi a, b, Botao Qin a, Peizhong Feng b,*, Huashen Ran b, Binbin Song b, Jianzhong Wang c, Yuan Ge c

a School of Safety Engineering, China University of Mining and Technology, Xuzhou, 221116, PR China

b School of Materials Science and Engineering, China University of Mining and Technology, Xuzhou, 221116, PR China

c State Key Laboratory of Porous Metal, Northwest Institute for Non-ferrous Metal Research, Xi'an, 710016, PR China

Corresponding author: Peizhong Feng, E-mail: fengroad@163.com, Tel: 086-516-83591879, Fax: 086-516-83591870



- 1. Thermocouple 2. Al₂O₃ double holes tube 3. Ceramic terminal
- 4. Green compacts 5. Refractory materials 6. Metal plate

Fig. S1 The schematic of thermal explosion reaction apparatus

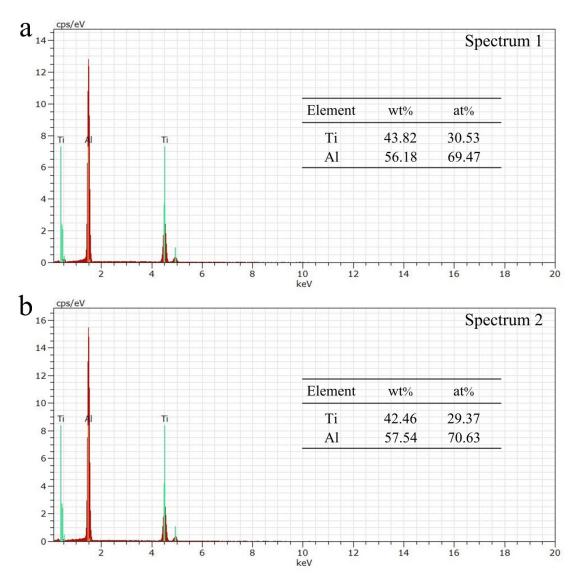


Fig. S2 The EDS point analysis of porous specimen with Ti:Al = 1:3 (furnace temperature 700 °C).