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- Zabielski, R., see Taljański-Zygmunt, W. et al.
- Zajac, T., see Borowiec, F. et al.
- Zamwel, S., see Shabi, Z. et al.
- Zanming, S., see Mingqiang, R. et al.
- Zomborszky-Kovács, M. (Kaposvár, Hungary), Tuboly, S. (Budapest, Hungary), Biró, H. (Kaposvár, Hungary), Bárdos, L. (Gödöllő, Hungary), Soós, P. (Budapest, Hungary), Tóth, Á. and Tornyo, G. (Kaposvár, Hungary)  
 The effect of  $\beta$ -carotene and nucleotide base supplementation on haematological, biochemical and certain immunological parameters in weaned pigs ..... Suppl. 245
- Zduńczyk, Z., see Flis, M. et al.
- Żebrowska, T., see Kowalczyk, J. and Żebrowska, T.