

## Seznam použité literatury

- [1] VALIEV, R. Z., ISLAMGALIEV, R. K. a ALEXANDROV, I. V. Bulk nanostructured materials from severe plastic deformation. *Progress in Materials Science*, 2000, Vol. 45, No. 2, pp. 103-189. ISSN 0079-6425.
- [2] KOCH, C. C. Top-down synthesis of nanostructured materials: mechanical properties and thermal processing methods. *Reviews on Advanced Materials Science*, 2003, Vol. 5, No. 2, pp. 91-99. ISSN 1606-5131.
- [3] MEYERS, M. A., MISHRA, A. a BENSON, D. J. Mechanical properties of nanocrystalline materials. *Progress in Materials Science*, 2006, Vol. 51, No. 4, pp. 427-556. ISSN 0079-6425.
- [4] SEGAL, V. M., REZNIKOV, V. I., DROBYSHEVSKII, A. E. a KOPYLOV, V. I. Plastic metal working by simple shear. *Izvestia Akademii nauk SSSR. Metally*, 1981, Vol. 1, pp. 99-105. ISSN 0568-5303.
- [5] LEE, S. a HORITA, Z. High-pressure torsion for pure chromium and niobium. *Materials Transaction*, 2012, Vol. 53, No. 1, pp. 38-45. ISSN 1345-9678.
- [6] VALIEV, R. Z. Paradoxes of severe plastic deformation. *Advanced Engineering Materials*, 2003, Vol. 5, No. 5, pp. 296-300. ISSN 1438-1656.
- [7] LEE, S. H., SAKAI, T., SAITO, Y., UTSUNOMIYA, H. a TSUJI, N. Strengthening of sheath-rolled aluminium based MMC by the ARB process. *Materials Transaction*, 1999, Vol. 40, No. 12, pp. 1422-1428. ISSN 0916-1821.
- [8] PALÁN, J., MALEČEK, L., HODEK, J., ZEMKO, M. a DŽUGAN, J. Possibilities of biocompatible material production using conform SPD technology. *Archives of Materials Science and Engineering*, 2017, Vol. 88, No. 1, pp. 5-11. ISSN 1897-2764.
- [9] RUSZ, S., ČÍŽEK, L., MICHENKA, V., DUTKIEWICZ, J., SALAJKA, M., HILŠER, O., TYLŠAR, S., KEDROŇ, J. a KLOS M. New type of device for achievement of grain refinement in metal strip. *Archives of Materials Science and Engineering*, 2014, Vol. 69, No. 1, pp. 38-44. ISSN 1897-2764.

- [10] IWAHASHI, Y., FURUKAWA, M., HORITA, Z., BENOTO, M. a LANGDON, T. J. Microstructural characteristics of ultrafine-grained aluminium produced using equal-channel angular pressing. *Metallurgical and Materials Transaction A: Physical Metallurgy and Materials Science*, 1998, Vol. 29, No. 9, pp. 2245-2252. ISSN 1073-5623.
- [11] LEE, B. S. a CHO, H. Influence of ECAP routes on the microstructure and mechanical properties of hot extruded 3003 Al alloy. *Solid State Phenomena*, 2007, Vol. 124-126, No. 2, pp. 1397-1400. ISSN 1012-0394.
- [12] HILŠER, O., RUSZ, S., KREJČÍ, L. a ŠPALEK, F. Grain refinement of extruded AZ31 magnesium alloy by ECAP process. In: Sborník vědeckých prací Vysoké školy báňské-Technické univerzity Ostrava: řada strojní. Ostrava: VŠB-TU Ostrava, 2017, roč. 63, č. 1, s. 31-37. ISSN 1210-0471.
- [13] FURUKAWA, M., HORITA, Z. a LANGDON, T. J. Review: Processing of metals by equal-channel angular pressing. *Journal of Materials Science*, 2001, Vol. 36, No. 12, pp. 2835-2843. ISSN 0022-2461.
- [14] VARYUKHIN, V., BEYGELZIMER, Y., KULAGIN, R., PROKOFIEVA, O. a RESHETOV, A. Twist extrusion: Fundamentals and applications. *Materials Science Forum*, 2011, Vol. 667-669, pp. 31-37. ISSN 0255-5476.
- [15] KOCHICH, R., GREGER, M., KURSA, M., SZURMAN, I. a MACHÁČOVÁ, A. Twist channel angular pressing (TCAP) as a method for increasing the efficiency of SPD. *Materials Science and Engineering: A*, 2010, Vol. 527, No. 23, pp. 6386-6392. ISSN 0921-5093.
- [16] HILŠER, O. *Zjemňování zrnu u slitin na bázi Mg procesem ECAP: bakalářská práce*. Ostrava: VŠB-Technická univerzita Ostrava, Fakulta strojní, Katedra mechanické technologie, 2012, 59 s. Vedoucí práce: prof. Ing. Stanislav Rusz, CSc.
- [17] DŽUGAN, J., KONOPÍK, P., PROCHÁZKA, R. a TROJANOVÁ, Z. SPD processed materials mechanical properties determination with the use of miniature specimens. *Materials Science Forum*, 2017, Vol. 879, pp. 471-476. ISSN 0255-5476.

- [18] HILŠER, O., RUSZ, S., SZKANDERA, P., ČÍŽEK, L., KRAUS, M., DŽUGAN, J. a MAZIARZ, W. Study of the microstructure, tensile properties and hardness of AZ61 magnesium alloy subjected to severe plastic deformation. *Metals*, 2018, Vol. 8, No. 10, 16 p. ISSN 2075-4701.
- [19] VINOGRADOV, A., SEREBRYANY, V. N. a DOBATKIN, S. V. Tailoring microstructure and properties of fine grained magnesium alloys by severe plastic deformation. *Advanced Engineering Materials*, 2018, Vol. 20, No. 4, 22 p. ISSN 1438-1656.
- [20] AVVARI, M. a NARENDRANATH, S. Effect of secondary  $Mg_{17}Al_{12}$  phase on AZ80 alloy processed by equal channel angular pressing (ECAP). *Silicon*, 2018, Vol. 10, No. 1, pp. 39-47. ISSN 1876-9918.