

បររណានុករម

- ប័ណ្ណជាបន្ទូលសមបត្រ. (2539). តួអង់ខ្មែរ, វារសារ MTEC ក្រសួងពេទ្យ, 70-76
- គីឡូ សិកា. (2543) វគ្គវិទ្យាក្រុមហ៊ុននិងអូតសាងក្រុម, នង្វែរតួអង់ខ្មែរ ក្រសួងវិទ្យាក្រុមហ៊ុននិងអូតសាងក្រុម
- ASTM B 328-73 Standard Test Method for Density and Interconnected Porosity of Sintered Powder Metal Structural Parts and Oil-Impregnated Bearings.
- Bataillard, L., and Gotthardt, R. (1995). "Influence of thermal treatment on the appearance of a three step martensitic transformation in NiTi." *Journal de Physique IV*, 5, 647–652.
- Biswas, A. (2005). "Porous NiTi by thermal explosion mode of SHS: process mechanism and generation of single phase microstructure." *Acta Materialia*, 53, 1415-1425.
- Christian, J. W. (1988). "Twinning in phase transformations." *Phase Transformations*, G. W. Lorimer, ed., Inst. of Metals, 93-100.
- Chu, C. L., Chung, C. Y., Lin, P. H., and Wang, S. D. (2004). "Fabrication of porous NiTi shape memory alloy for hard tissue implants by combustion synthesis" *Materials Science and Engineering A366*, 114-119.
- Chu, C. L., Chung, J. Y., and Chu, P. (2006). "Effects of heat treatment on characteristics of porous Ni-rich NiTi SMA prepared by SHS technique." *Transection of Nonferrous Metals Society of China*, 16, 49-53.
- Crider, J. F. (1982). *Ceram. Engng. Sci. Proc.*, 3, 519.
- Dolce, M., and Cardone, D. (2001). "Mechanical behaviour of shape memory alloys for seismic applications 1. Martensite and austenite NiTi bars subjected to torsion." *Int. Journal of Mech. Sciences*, 43, 2632–2656.
- Funakubo, H. (1987). *Shape Memory Alloys*, Gordon and Breach Science Publishers, New York.
- Henshaw, W. F., Niiler, A., and Leets, T. (1983). *Cerm. Eng. Sci. Proc.*, 4, 634.
- Halling, J. (1976). *Introduction to Tribology*, Wykehan Publication Ltd., London.
- Hey, J. C., and Jardine, A. P. (1994). "Shape memory TiNi synthesis from elemental powders." *Material Science and Engineering A188(1-2)*, 291–300.

- Hlavacek, V. (1981). "Combustion synthesis: A historical perspective." *Ceram. Bull.*, 70, 240-243.
- Holt, J. B., and Munir, Z. A. (1986). "Combustion synthesis of carbide: Theory and Experiment." *J. Mater. Sci.*, 21, 251-259.
- Kaufman, L., and Cohen, M. (1958). "Martensitic transformations." *Progress in Metal Physics*, B. Chalmers and R. King, eds., Pergamon Press, 165-246.
- Kubashewski, O., and Alcock, C. B. (1997). *Metallurgical Thermochemistry*, Pergamon press, New York.
- Li, B., Rong, L., and Li, Y. (1994). "Porous NiTi alloy prepared from elemental powder sintering." *Journal of Materials Research*, 13, 2847–2851.
- Li, B. Y., Rong, L. J., Li, Y. Y., and Gjunter, V. E. (2000). "Synthesis of porous Ni-Ti shape memory alloys by self-propagating high-temperature synthesis: reaction mechanism and anisotropy in pore structure." *Acta Materialia*, 48, 3895-3904.
- Li, Y. H., Rong, L. J., and Li, Y. Y. (2001). "Pore characteristics of porous NiTi alloy fabricated by combustion synthesis." *Journal of Alloys and Compounds*, 325, 259-262.
- Marin-Ayral, R. M., Dumez, M. C., and Tedenac, J. C. (2000). "Influence of high gas pressure on combustion synthesis of the solid-solid reaction of NiAl compound." *Materials Research Bulletin*, 35, 233-243.
- Merzhanov, A. G. (1974). *Arch. Procesow Spalania*, 5, 17-39.
- Miller, D. A., and Lagoudas, D. C. (2001). "Influence of cold work and heat treatment on the shape memory effect and plastic strain development of NiTi." *Material Science and Engineering* A308, 161–175.
- Munir, Z. A. (1988). *Bull. Am. Ceram. Soc.*, 67, 342-349.
- Otsuka, K., and Wayman, C. M. (1999). "Mechanical of shape memory effect and superelasticity." *Shape Memory Alloys*, K.Otsuka and C. M. Wayman, eds., Cambridge University Press, 27-48.
- Pelosin, V., and Riviere, A. (1998). "Effect of thermal cycling on the R-phase and martensitic transformations in a Ti-rich NiTi alloy." *MMTA*, 29A(4), 1175–1180.

- Saburi, T. (1999). "Ti-Ni shape memory alloys." *Shape Memory Alloys*, K. Otsuka and C. M. Wayman, eds., Cambridge University Press, 49–96.
- Schetky, L. M. (1979). "Shape-memory alloys." *Scientific American*, 241, 74–83.
- Sikong, L., Wisutmethangoon, S., Weerawan, S., and Keatklunboot, T. "Production of NiTi shape memory alloy by mechanical alloying method" *International Conference on Engineering and Environment ICEE-2005*, Novi Sad Sebia & Montenegro, 17.
- Tangaraj, K., Chen, Y. C., and Salaman, K. "Fabrication of porous NiTi shape memory alloy by elemental powder sintering." *Proceedings of 2000 ASME International Mechanical Engineering Congress & Exposition*, 59-63.
- Tay, B. Y., Goh, C. W., Yong, M. S., and Soutar, A. M. (2006). "Self-propagating high-temperature synthesis of porous NiTi." *SIMTech technical reports*, 7(1), 21-25.
- Thoma, P. E., Angst, D. R., and Schachner, K. D. (1995). "The effect of cold work, heat treatment, and composition on the austenite to R-phase transformation temperature of Ni-Ti shape memory alloys." *Journal de Physique*, R. G. and J. V. Humbeeck, eds., 557–562.
- Thomson, P., Balas, G. J., and Leo, H. (1995). "The use of shape memory alloys for passive structural damping." *Smart Materials and Structures*, 4, 36-41.
- Treppmann, D., Hornbogen, E., and Wurzel, D. (1995). "The effect of combined recrystallization and precipitation processes on the functional and structural properties in NiTi alloys." *Journal de Physique IV*, R. Gotthardt and J. V. Humbeeck, eds., 569-574.
- Wada, K., and Liu, Y. (2007). "Thermomechanical training and the shape recovery characteristics of NiTi alloys." *Material Science and Engineering*
- Walton, J. D., and Poulos, N. E. (1959). "Cermets for themite reaction." *J.Am.Ceram.Soc.*, 42(1), 40.
- Wayman, C. M. (1988). "Transformation and mechanical behaviour of NiTi shape memory alloys." *Phase Transformations '87*, G. W. Lorimer, ed., Inst. of Metals, 16-19.
- Wayman, C. M., and Duerig, T. W. (1990). "An Introduction to martensite and shape memory." *Engineering Aspects of Shape Memory Alloys*, T. W. Duerig, K. N. Melton, D. Stockel, and C. M. Wayman, eds., Butterworth-Heinemann Ltd.

- Wilde, K., Gardoni, P., and Fujino, Y. (2000). "Base isolation system with shape memory alloy device for elevated highway bridges." *Engineering Structures*, 22, 222–229.
- Yeh, C. L., and Sung, W. Y. (2004). "Synthesis of NiTi intermetallics by self-propagating combustion." *Journal of Alloys and Compounds*, 376, 79-88.
- Yi, H. C., and Moore, J. J. (1990). "The combustion synthesis of Ni-Ti shape memory alloys." *Journal of Materials*, 31.
- Yi, H. C., and Moore, J. J. (1992). "Combustion synthesis of TiNi intermetallic compounds: Part 3 Microstructure characterization." *Journal of Materials Science*, 27, 5067-5072.
- Zenin, A. A., Merzhanov, A. G., and Nersisyan, G. A. (1980). *Dokl. Acad. Sci USSR*, 250, 83-87.