

## REFERENCES

- [1] S.H. Tolbert, A.P. Alivisatos, *Science*, 265 (1994) 373–376.
- [2] K. Jacobs, D. Zaziski, E.C. Scher, A.B. Herhold, A.P. Alivisatos, *Science*, 293 (2001) 1803–1806.
- [3] O. Yayapao, S. Thongtem, A. Phuruangrat, T. Thongtem, *Ceram. Int.*, 39 (2013) S563–S568.
- [4] A. Phuruangrat, S. Mad-ahin, O. Yayapao, S. Thongtem, T. Thongtem, *Res. Chem. Intermed.*, 41 (2015) 9757–9772.
- [5] B.C. Yadav, A. Yadav, S. Singh, K. Singh, *Sens. Actuat.*, B 177, (2013) 605–611.
- [6] V. Ageh, H. Mohseni, T.W. Scharf, *Surf. Coat. Technol.*, 237 (2013) 241–247.
- [7] S.K. Manik, S.K. Pradhan, *Physica*, E 33 (2006) 69–76.
- [8] Y.L. Huang, D.C Tsai, Y.C Lee, D.R Jung, F.S. Shieu, *Surf. Coat. Technol.*, 231 (2013) 153–156.
- [9] P. Buffat, J. Borel, *Physical Review*., 13 (1976) 18-22.
- [10] U. Steinike, B. Wallis, *Cryst. Res. Technol.*, 32 (1997) 187.
- [11] H.T. Kim, Y. Kim, M. Valant, D. Suvorov, *J. Am. Ceram. Soc.*, 84 (2001) 1081.
- [12] F.H. Dulin, D.E. Rase, *J. Am. Ceram. Soc.*, 43 (1960) 125.
- [13] L. Helm, A.E. Merbach, *Chem. Rev.*, 18 (2005) 134-138.
- [14] A. Sitt, I. Hadar, U. Banin, *Nano Today*, 8 (2013) 494–513.
- [15] B. Das, S. Acharya, *Asian J. Chem.*, 25 (2013) s414–s416.
- [16] T.Y. Ko, M.H. Tsai, C.S. Lee, K. W. Sun, *J. Nanopart. Res.*, 14 (2012) 1253.
- [17] G. Planinsi, M. Vollmer, *Eur. J. Phys.*, 29 (2008) 369–384.
- [18] Y. Yang, X.W. Sun, B.K. Tay, J.X. Wang, Z.L. Dong, H.M. Fan, *Adv. Mater.*, 19 (2007) 1839–1844.
- [19] Z. Liu, D. Zhou, S. Gong, H. Li, *J. Alloy Compd.*, 475 (2009) 840–845.

- [20] Y.S. Chang, Y.H. Chang, I.G. Chen, G.J. Chen, Y.L. Chai, *Ceram. Int.*, 30 (2004) 2183–2189.
- [21] P.M. Botta, E.F. Aglietti, J.M. López, *J. Mat. Sci.*, 39 (2004) 5195–5199.
- [22] N. Labus, N. Obradović, T. Srećković, V. Mitić, M.M. Ristić, *Sci. Sinter.*, 37 (2005) 115–122.
- [23] X. Xing, C. Zhang, L. Qiao, G. Liu, J. Meng, *J. Am. Ceram. Soc.*, 89 (2006) 1150–1152.
- [24] G. Planinsi, M. Vollmer, *Eur. J. Phys.*, 29 (2008) 369–384.
- [25] K. Jacobs, D. Zaziski, E. Scher, C. Herhold, A. B. Alivisatos, *Science*, 293 (2001) 1803–1806.
- [26] J. L. Fierro, “Metal Oxides: Chemistry & Applications” (6000 Broken Sound Parkway NW), 2002 p. 182.
- [27] F.H. Dulin, D.E. Rase, *J. Am. Ceram. Soc.*, 43 (1960) 125–131.
- [28] S.F. Bartram, R.A. Slepety, *J. Am. Ceram. Soc.*, 44 (1961) 493–499.
- [29] K. Yamaguchi, *J. Am. Ceram. Soc.*, 70 (1987) 97–98.
- [30] U. Steinike, B. Wallis, *Cryst. Res. Technol.*, 32 (1997) 1081–1086.
- [31] J. Yang, J. H. Swisher, *Scripta Mater.*, 61 (1997) 12.
- [32] J. Arin, S. Thongtem, T. Thongtem, *Mater. Lett.*, 96 (2013) 78-81
- [33] C. Chen, D. Xing, Z. Zhou, *J. Alloy. Comp.*, 479 (2009) 674.
- [34] M. Shi, L. Liao, N. Xhao, *Mater. Lett.*, 61 (2007) 4735.
- [35] D.L. Liao, C.A. Badour, B.Q. Liao, *J. Photochem. Photobiol. A: Chem.*, 194 (2008) 11.
- [36] S. Ozdemir, Tefvik Bardakci, *Sep Purif Technol.*, 16 (1999) 225.
- [37] S. Lew, A.F. Sarofim, M.F. Stephanopoulos, *AIChE J.*, 38 (1992) 1161.
- [38] K. Woods, F. Sandy, D.P. Harrison, *Ind. Eng. Chem. Res.*, 29 (1990) 1160.
- [39] B. Choi, F. Wipe, K. Mao, *J. Taiwan Inst Chem*, E.41 (2010) 656-660.
- [40] L. Zhao, Y. Che, G. Zhao, T. Zhang, *J. Fuel Chem Technol.*, 35 (2007) 65-71.
- [41] B. Huang, K. Jozhu, W. Qing, *Powder Technology.*, 180 (2008) 196-202.

- [42] S.P. Untea, D. L. Untea, S. Darav, *Powder Technology.*, 191 (2009) 27-33.
- [43] K. Ishikawa, J. Kawasaki, S. Noah, R. Ryokiko *Proc. Amu. Int. Pittsburgh Coal Conf.*, 12 (1995) 1195-1200.
- [44] S. K. Gangwal, *High Temp. Gas Clean.*, 3 (1996) 489-501.
- [45] S. D. Mojtahedi, *High Temp. Gas Clean.*, 3 (1996) 557-568.
- [46] S. M. Yi, M. J. Tung, W. Wang, *Solid Fuel.*, 37 (1999), 81-86.
- [47] N. Satoh, T. Nakashima, K. Yamamoto, *Sci. Rep.*, 3 (2013) 1959.
- [48] Powder Diffract. File, *JCPDS-ICDD*, 12 Campus Boulevard, Newtown Square, PA, 2001 19073-3273, U.S.A.
- [49] N. Nolan, M. Seery, S. Pillai, *Chem. Mater.*, 23 (2011) 1496–1504.
- [50] C. Alexandra, *J. Solid State Chem.*, 179 (2006) 985–992.
- [51] R. Cuscó, E. Alarcón-Lladó, J. Ibáñez, L. Artús, J. Jiménez, B. Wang, M.J. Callahan, *Phys. Rev. B*, 75 (2007) 195-202.
- [52] K. R. Zhu, M. S. Zhang, Q. Chen, Z. Yin, *Phys. Lett., A* 340 (2005) 220–270.
- [53] T. Santhaveesuk, D. Wongratanaphisan, N. Mangkorntong, S. Choopun, *Adv. Mater. Res.*, 55 (2008) 641–644.
- [54] E.J. Baran, I.L. Botto, Z. Anorg. *Allg. Chem.*, 448 (1979) 203-210.
- [55] W. David, *Environmental Science & Technology* (American Chemical Society) **39** (2005) (20): 8052–8056.
- [56] S.K. Manik, P. Bose, S.K. Pradhan, *Mater. Chem. Phys.*, 82 (2003) 837–847.
- [57] C. Wagner, *Z. Phys. Chem. B*, 34 (1936) 309.
- [58] C. Jacobs, K. Zaziski, D. Scher, E. C., Herhold, A. B. Alivisatos, *Science*, 293 (2001) 1803-1806.
- [59] Y. Yang, R. Scholz, H. J. Fan, D. Hesse, U. Go, M. Zacharias, *ACS. Nano.*, 3 (2009) 555–562.
- [60] Y. Yang, D.S. Kim, M. Knez, R. Scholz, A. Berger, E. Pippel, D. Hesse, U. Go, M. Zacharias, *J. Phys. Chem.*, 112 (2008) 4068–4074.
- [61] H.J. Fan, B. Fuhrmann, R. Scholz, C. Himcinschi, A. Berger, H. Leipner, A. Dadgar, A. Krost, S. Christiansen, U. Go, M. Zacharias, *Nanotechnol.*, 17 (2006) S231–S239.

## LIST OF PUBLICATIONS

- 1) J. Arin, S. Thongtem and T. Thongtem, *Mater. Lett.* 96 (2013) 78.
- 2) J. Arin, A. Phuruangrat, S. Thongtem, T. Thongtem, P. Dumrongrojthanath, O. Yayapao, J. Arin, *SUPERLATTICE MICROST.*, 67 (2014) 197-206.
- 3) A. Phuruangrat, J. Arin, S. Thongtem, T. Thongtem P. Dumrongrojthanath, O. Yayapao, *Rare Metals.*, 35 (2016) 390-395
- 4) J. Arin, A. Phuruangrat, S. Thongtem and T. Thongtem, *Res. Chem. Intermed.* (Article in pressed) (2016)



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright© by Chiang Mai University  
All rights reserved