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Thermochimica Acta 388 (2002) 19–20

thermochimica acta

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List of Publications under Joint Authorship by Michael E. Brown and Andrew K. Galwey

Books

[1a] M.E. Brown, D. Dollimore, A.K. Galwey, Reactions in the solid state, in: C.H. Bamford, C.F.H. Tipper (Eds.), Comprehensive Chemical Kinetics, Vol. 22, Elsevier, Amsterdam, 1980, 340 pp.

[1b] Reactions in the solid state, Chem. Abstr. 100 (1984) 105806 (in Russian).

[2] A.K. Galwey, M.E. Brown, Thermal Decomposition of Ionic Solids, Elsevier, Amsterdam, 1999, 597 pp.

Articles published in journals

[1] M.E. Brown, D. Dollimore, A.K. Galwey, The thermal decomposition of manganese(II) oxalate dihydrate in vacuum and in oxygen, J. Chem. Soc., Faraday Trans. I 70 (1974) 1316–1324.

[2] A.K. Galwey, D.M. Jamieson, M.E. Brown, Thermal decomposition of three crystalline modifications of anhydrous copper(II) formate, J. Phys. Chem. 78 (1974) 2664–2670.

[3] A.K. Galwey, D.M. Jamieson, M.E. Brown, M.J. McGinn, The mechanisms of the solid-phase thermal decomposition reactions of some transition-metal carboxylates, in: P. Barret (Ed.), Reaction Kinetics in Heterogeneous Chemical Systems, Elsevier, Amsterdam, 1975, pp. 520–537.

[4] M.E. Brown, D. Dollimore, A.K. Galwey, A thermochemical investigation of the decomposition of manganese(II) oxalate dihydrate, Thermochim. Acta 21 (1977) 103–110.

[5] M.E. Brown, B. Delmon, A.K. Galwey, M.J. McGinn, Nucleus formation and the kinetics of thermal decomposition of nickel formate, J. Chim. Phys. 75 (1978) 147–158.

[6] A.K. Galwey, M.E. Brown, A differential scanning calorimetric study of the thermal decomposition of nickel formate dihydrate, Proc. Royal Irish Acad. (Dublin) B 77 (1977) 465–471.

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[8] A.K. Galwey and M.E. Brown, Compensation parameters in heterogeneous catalysis, J. Catal. 60 (1979) 335–338.

[9] M.E. Brown, A.K. Galwey, M.W. Beck, Thermal decomposition of copper(II) squarate, Israel J. Chem. 22 (1982) 215–218.

[10] M.E. Brown, H. Kelly, A.K. Galwey, M.A. Mohamed, A thermoanalytical study of the thermal decomposition of silver squarate, Thermochim. Acta 127 (1988) 139–158.

[11] A.K. Galwey, M.A. Mohamed, M.E. Brown, Thermal decomposition of silver squarate, J. Chem. Soc., Faraday Trans. I 84 (1988) 57–64.

[12] A.K. Galwey, M.A. Mohamed, S. Rajam, M.E. Brown, Thermal decomposition of copper(II) squarate, J. Chem. Soc., Faraday Trans. I 84 (1988) 1349–1356.

[13] A.K. Galwey, S.G. McKee, T.R.B. Mitchell, M.E. Brown, A.F. Bean, A kinetic and mechanistic study of the thermal decomposition of nickel acetate, React. Solids 6 (1988) 173–186.

[14] A.K. Galwey, S.G. McKee, T.R.B. Mitchell, M.A. Mohamed, M.E. Brown, A.F. Bean, A kinetic and mechanistic study of the thermal decomposition of nickel malonate, React. Solids 6 (1988) 187–203.

[15] M.E. Brown, A.K. Galwey, Arrhenius parameters for solid-state reactions from isothermal rate–time curves, Anal. Chem. 61 (1989) 1136–1139.

[16] M.E. Brown, A.K. Galwey, A. Li Wan Po, Reliability of kinetic measurements for the thermal dehydration of lithium sulphate monohydrate. Part 1. Isothermal measurements of pressure of evolved water vapour, Thermochim. Acta 203 (1992) 221–240.

[17] M.E. Brown, A.K. Galwey, A. Li Wan Po, Reliability of kinetic measurements for the thermal dehydration of lithium sulphate monohydrate. Part 2. Thermogravimetry and differential scanning calorimetry, Thermochim. Acta 220 (1993) 131–150.

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[22] A.K. Galwey, M.E. Brown, Isothermal kinetic analysis of solid-state reactions using plots of rate against derivative function of the rate equation, in: Proceedings of the Sixth European Symposium on Thermal Analysis, Italy, 1994, Thermochim. Acta 269–270 (1995) 1–25.
[23] A.K. Galwey, M.E. Brown, Arrhenius parameters and compensation behaviour in solid state decompositions, Thermochim. Acta 300 (1997) 107–115.
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[27] A.K. Galwey, M.E. Brown, Compensation parameters in heterogeneous catalysis, J. Chem. Soc. Faraday I 78 (1982) 411–424.

Articles published in conference proceedings

[1] A.K. Galwey, M.J. McGinn, M.E. Brown, Nucleation and growth of particles of nickel during the thermal decomposition of nickel formate, in: J.S. Anderson, M.W. Roberts, F.S. Stone (Eds.), Reactivity of Solids, Proceedings of the Seventh International Symposium on the Reactivity of Solids, Bristol, July 1972, Chapman & Hall, 1972, pp. 431–445.
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[11] A.K. Galwey, M.E. Brown, Isothermal Kinetic analysis of solid-state reactions using plots of rate against derivative function of the rate equation, in: Proceedings of the Sixth European Symposium on Thermal Analysis, Italy 1994, Thermochim. Acta 269/270 (1995) 1–25.