

Nikola Kallay – List of Publications

I. THESES

1. N. Kallay, *Potential of Mercury J-electrode as a Function of pH of the system Cd-EDTA chelate (1:1) in Perchlorate and Nitrate Medium* (in Croatian), B. Sc. Thesis, Faculty of Chemical Technology, University of Zagreb, Zagreb, 1967.
2. N. Kallay, *The Role of Ionic Interactions in the Coagulation Processes* (in Croatian), M. Sc. Thesis, Faculty of Science, University of Zagreb, Zagreb, 1972.
3. N. Kallay, *Kinetic Interpretation of the Coagulation Processes* (in Croatian), PhD. Thesis, Faculty of Science, University of Zagreb, Zagreb, 1973.
4. N. Kallay, *Equilibria in the Colloid Systems, Habilitation*, Dr. Habil. Thesis, Faculty of Science, University of Zagreb, Zagreb, 1977.

II. MONOGRAPHS

1. T. Cvitaš and N. Kallay, *Physical Quantities and Units of the International System* (in Croatian), Croatian Chemical Society, Zagreb 1975.
Other editions: 1980, 1981, 1985.
2. I. Mills, T. Cvitaš, K. Homann, N. Kallay, and K. Kuchitsu, *Quantities, Units and Symbols in Physical Chemistry*, Blackwell Scientific Publications, Oxford 1988.
Other editions: 1988, 1989, 1993, 2007.
Indian edition in English: 1990.
Translations: Russian (1988), Hungarian (1990), Japanese (1991), German (1995), Rumanian (1996), Spanish (1999), Catalan (2004).
3. N. Kallay (Editor and coauthor), *Interfacial Dynamics, Surfactant Science Series*, Marcel Dekker, New York 2000.

III. CHAPTERS IN MONOGRAPHS

1. N. Kallay, V. Hlady, J. Jednačak-Bišćan, and S. Milonjić, *Techniques for the Study of Adsorption from Solution*, Chapter 2, in: B. W. Rossiter and R. C. Baet-

zold (Eds.), *Investigation of Surfaces and Interfaces*, Volume IXA, part A, in: *Physical Methods in Chemistry*, 2nd Edition, A Wiley-Interscience Publication, John Wiley & Sons, Inc, New York, 1993.

2. N. Kallay, S. Žalac, and I. Kobal, *Problems in Modelling the Electrical Interfacial Layer in Metal Oxide Aqueous Systems*, Chapter 3.8, in: A. Dabrowski and V. A. Tertykh (Eds.), *Adsorption on New and Modified Inorganic Sorbents*, Elsevier Science, Amsterdam, 1996.
3. N. Kallay, T. Preočanin, and S. Žalac, *Enthalpy of Surface Charging*, Chapter 5, in: N. Kallay (Ed.), *Interfacial Dynamics, Surfactant Science Series*, Marcel Dekker, New York, 2000, pp. 225–247.
4. N. Kallay, D. Kovačević, and A. Čop, *Interpretation of Surface Equilibria on the Basis of Adsorption nad Electrokinetic Data*, Chapter 6, in: N. Kallay (Ed.), *Interfacial Dynamics, Surfactant Science Series*, Marcel Dekker, New York, 2000, pp. 249–271.
5. D. Kovačević, A. Čop, and N. Kallay, *Evaluation and Usage of Electrostatic Potentials in the Interfacial Layer*, Chapter, in: A. V. Delgado (Ed.), *Interfacial Electrokinetics and Electrophoresis, Surfactant Science Series*, Marcel Dekker, New York, 2002, pp. 99–121.
6. N. Kallay, T. Preočanin, W. Rudziński, and S. Žalac, *Enthalpy of Charging Processes at Metal Oxide-Liquid Interfaces*, article, in: A. Hubbard (Ed.), *Encyclopedia of Surface and Colloid Science*, Marcel Dekker, New York, 2002, pp. 2129–2139.
2nd ed., P. Somasundaran (Ed.), *Encyclopedia of Surface and Colloid Science*, Taylor & Francis, New York, 2006, pp. 2475–2485.
7. D. Kovačević and N. Kallay, *Isoelectric Point of Metals in Aqueous Media*, article, in: A. Hubbard (Ed.), *Encyclopedia of Surface and Colloid Science*, Marcel Dekker, New York, 2002, pp. 2917–2923.
2nd ed., P. Somasundaran (Ed.), *Encyclopedia of Surface and Colloid Science*, Taylor & Francis, New York, 2006, pp. 3139–3147.

8. N. Kallay, J. Drzymala, and A. Čop, *The Equilibrium at Ice-Water Interface*, article, in: P. Somasundaran (Ed.), *Encyclopedia of Surface and Colloid Science*, 2nd ed., Taylor & Francis, New York, 2006, pp. 1899–1907.
9. N. Kallay, S. Žalac, and D. Kovačević, *Thermodynamics of the Solid/Liquid Interface. Its Application to Adsorption and Colloid Stability*, in: J. Lützenkirchen (Ed.), *Surface Complexation Modelling*, in: *Interface Science and Technology*, series, Elsevier, 2006, pp. 133–170.

IV. TEXT BOOKS

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Second edition: 1982.
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3. I. Planinić, N. Kallay, and T. Cvitaš, *Exercises in Chemistry* (in Croatian), Školska knjiga, Zagreb 1982.
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