

PUBLICATIONS

1983 - 1994

- [1] **Th.Wandlowski**, E.Kretschmer; *Wiss. Z. PH Halle XXI* (1983), Heft 2, 267-271 :
Numerische Analyse von Elektrokapillarkurven
- [2] **Th.Wandlowski**, E.Kretschmer; *J. Electroanal. Chem.* 209 (1986) 203-217:
Adsorption of 2,3 - Dimethylpyridine at the Mercury/ Electrolyte Interface
- [3] **Th.Wandlowski**, E.Kretschmer, E.Müller, F.Kuschel, S.Hoffmann, K.Janta v. Lipinski;
J. Electroanal. Chem. 213 (1986) 339-345 :
Adsorption and Film Formation of Uracil Derivatives at the Mercury/Electrolyte Interface in Presence of Different Supporting Electrolytes
- [4] **Th.Wandlowski**, E.Kretschmer, U.Retter; *J. Electroanal. Chem.* 224 (1987) 261-271 :
Investigations of the Adsorption Kinetics of 2,3-Dimethylpyridine at the Mercury/Electrolyte Interface
- [5] **Th.Wandlowski**, S.Racinsky, V.Marecek, Z.Samec; *J. Electroanal. Chem.* 227 (1987) 281-291:
Adsorption of Phospholipids at the Interface Between Two Immiscible Electrolyte Solutions
- [6] **Th.Wandlowski**, V.Marecek, Z.Samec; *J. Electroanal. Chem.* 242 (1988) 277-290 :
Equilibrium Adsorption of Phosphatidylcholines at the Water/Nitrobenzene Interface
- [7] **Th.Wandlowski**, V.Marecek, Z.Samec; *J. Electroanal. Chem.* 242 (1988) 291-302 :
Kinetic Analysis of the Picrate Ion Transfer Across the Interface Between Two Immiscible Electrolyte Solutions from Impedance Measurements at the Equilibrium Potential
- [8] **Th.Wandlowski**, L.Pospisil; *J. Electroanal. Chem.* 258 (1989) 179-192 :
The Growth of Compact Layers at the Electrode Interface PII - Formation and Stability of Organic Films
- [9] **Th.Wandlowski**, L.Pospisil; *J. Electroanal. Chem.* 270 (1989) 319-329 :
The Growth of Compact Layers at the Electrode Interface PIV - Fractal Character of Organic Films at the Mercury/Electrolyte Interface
- [10] **Th.Wandlowski**, V.Marecek, K.Holub, Z.Samec; *J. Phys. Chem.* 93 (1989) 8204-8212 :
Ion Transfer Accross Liquid/Liquid Phase Boundaries : Electrochemical Kinetics by Fa-radaic Impedance

- [11] **Th.Wandlowski**, V.Marecek, Z.Samec; *Electrochim. Acta* 35 (1990) 1173-1175 :
Galvani Potential Scales for Water/Nitrobenzene and Water/1,2-Dichlorethane Interfaces
- [12] **Th.Wandlowski**; *J. Electroanal. Chem.* 293 (1990) 219-236 :
Short-Time Kinetics of the Formation of Condensed Uracil Films
- [13] **Th.Wandlowski**; *J. Electroanal. Chem.* 302 (1991) 233-253 :
On the Thermodynamic Stability of Condensed Organic Films Formed at the Mercury/Electrolyte Interface in the Presence of Different Supporting Electrolytes
- [14] **Th.Wandlowski**; *J. Electroanal. Chem.* 312 (1991) 245-265 :
Adsorption Properties of 2-Thiouracil at the Mercury/Electrolyte Interface
- [15] **Th.Wandlowski**, V.Marecek, Z.Samec, R.Fuoco; *J. Electroanal. Chem.* 331 (1992) 765-782:
The Effect of Temperature on the Kinetics of the Ion Transfer Across ITIES - Ion Transfer Dynamics
- [16] **Th.Wandlowski**, M.Heyrovsky, L.Novotny; *Electrochim. Act.* 37 (1992) 2663-2672 :
Thermodynamic Properties of Uracil Adsorbed at the Mercury/Electrolyte Interface
- [17] **Th.Wandlowski**; *J. Electroanal. Chem.* 333 (1992) 77-91 :
Some Aspects of the Kinetics of Formation of Condensed 5-Methyluracil Films at the Mercury/Electrolyte Interface
- [18] **Th.Wandlowski**, R.de Levie; *J. Electroanal. Chem.* 329 (1992) 103-127 :
Double Layer Dynamics in the Adsorption of Tetrabutyl Ammonium Ions at the Mercury/ Water Interface I: Survey
- [19] **Th.Wandlowski**, R. de Levie; *J. Electroanal. Chem.* 345 (1993) 413-432 :
Double Layer Dynamics in the Adsorption of Tetrabutyl Ammonium Ions at the Mercury/ Water Interface II : Capacitance Transients
- [20] **Th.Wandlowski**, R. de Levie; *Collect. Czech. Chem. Commun.* 58 (1993) 29-40 :
Kinetic Investigations of the Adsorption Properties of 2-Thiouracil at the Mercury/Electrolyte Interface
- [21] **Th.Wandlowski**, H.Baumgärtel, P.Chayasith; *J. Electroanal. Chem.* 346 (1993) 271-279:
Solvent Effects on the 2D Condensation of Sulphur Compounds
- [22] **Th.Wandlowski**, R.de Levie; *J. Electroanal. Chem.* 349 (1993) 15-30 :
Interfacial Properties of 6-Propyl-2-Thiouracil
- [23] **Th.Wandlowski**, R. de Levie; *J. Electroanal. Chem.* 352 (1993) 279-294 :

Double Layer Dynamics in the Phase Formation of Tetrabutyl Ammonium Ions at the Mercury/Electrolyte Interface III : Admittance of the Needle-like Capacitance Maxima

- [24] **Th.Wandlowski**, G.B.Jamson, R.de Levie; J.Phys.Chem. 97 (1993) 10119-10126 :
Two-Dimensional Condensation of Guanidinium Nitrate at the Mercury-Water Interface
- [25] **Th.Wandlowski**, D.Gosser,E.Akinele,R.de Levie, V.Horak; Talanta 40 (1993) 1789-1798 :
Anodic Oxidation of 2,6-Dichloro-1,4-diaminophenyl at a Glassy Carbon Electrode - An Experimental Study Compared with Digital Simulation
- [26] R. de Levie, **Th.Wandlowski**; J. Electroanal. Chem. 366 (1994) 265-270 :
Hydrogen Bonding and Two-dimensional Condensation in Uracils
- [27] **Th.Wandlowski**, R. de Levie; J. Bulg. Chem. Soc. 27 (1994) 232-246 :
Kinetic Observation of the Formation of Condensed Coumarine Films at Metal/Electrolyte Interfaces
- [28] **Th.Wandlowski**, G.B.Jamson, R.De Levie;J. Electroanal. Chem. 379 (1994) 215-222 :
Interfacial Condensation of Methylguanidinium Nitrate

1995

- [29] **Th.Wandlowski**, R. de Levie; J. Electroanal. Chem. 380 (1995) 201-207 :
Double-Layer Dynamics in the Adsorption of Tetrabutylammonium Ions at the Mercury/Water Interface IV : The Reduction of Hexamine-Cobalt(III) Through Tetrabutylammonium Ions
- [30] **Th.Wandlowski**, R. de Levie; J. Electroanal. Chem. 388 (1995) 199-205 :
Comment on the Admittance of the Needle-like Capacitance Maximum
- [31] **Th.Wandlowski**, V.Marecek , K.Holub, Z.Samec; Electrochim. Acta 40 (1995) 2887-2895 :
The Double layer at the Interface Between Two Immiscible Electrolyte Solutions - IV. Solvent Effects
- [32] M.Hölzle, **Th.Wandlowski**, D.M.Kolb; Surf Sci. 335 (1995) 281-290 :
Structural Transitions in Uracil Adlayers on Gold Single Crystals
- [33] M.Hölzle, **Th.Wandlowski**, D.M.Kolb; J. Electroanal. Chem. 394 (1995) 271-275 :
Phase Transitions in Uracil Adlayers on Electrochemically Prepared Island-free Au(100)-(1x1) Electrodes
- [34] **Th.Wandlowski**; J. Electroanal. Chem., 395 (1995) 83-89 :
Phase Transitions in Uracil Adlayers on Au-, Ag- and Hg-Electrodes

1996

- [35] **Th.Wandlowski**, D.Lampner, S.Lindsay; J. Electroanal. Chem. 404 (1996) 215-226 :
Structure and Stability of Cytosine Adlayers on Au(111) - An In-situ STM-Study
- [36] **Th.Wandlowski**, B.Ocko, O.Magnussen, S.Wu, J.Lipkowski; J. Electroanal. Chem. 409 (1996) 155 -164 :
The Surface Structure of Au(111) in the Presence of Organic Adlayers - A Combined Electrochemical and Surface X-ray Scattering Study
- [37] **Th.Wandlowski**, J.X.Wang, O.M.Magnussen, B.M.Ocko; J.Phys. Chem. 100 (1996) 10277-10287 :
Structural and Kinetic Aspects of the Bromide Adsorption on Au(100)
- [38] B.M.Ocko, O.M.Magnussen, J.X.Wang, R.R.Adzic, **Th.Wandlowski**; Physica B221 (1996) 238-244 :
The Structure and Phase Behaviour of Electrodeposited Halides on Single Crystal Electrodes
- [39] B.M.Ocko, O.M.Magnussen, J.X.Wang, **Th.Wandlowski**; Phys. Rev. B, 53 (1996) R7654-R7657 :
One-Dimensional Commensurate-Incommensurate Transition: Bromide on the Au(100) Electrode
- [40] T.Pajkossy, **Th.Wandlowski**, D.M.Kolb; J.Electroanal. Chem. 414 (1996) 209-220 :
Impedance Aspects of the Anion Adsorption on Gold Single Crystal Electrodes
- [41] **Th.Wandlowski**, M.H.Hölzle; Langmuir 12 (1996) 6597-6603 :
Adsorption of 1,3-Dimethyluracil at the Au(111)/Aqueous Electrolyte Interface - A Chronocoulometric Study
- [42] **Th.Wandlowski**, M.H.Hölzle; Langmuir 12 (1996) 6604-6615 :
Structural and Thermodynamic Aspects of Phase Transitions in Uracil Adlayers - A Chronocoulometric Study

1997

- [43] **Th.Wandlowski**, Th.Dretschkow; J.Electroanal. Chem. 427 (1997) 105-112 :
Two-Dimensional Nucleation According to an Exponential Law with Surface Diffusion-Controlled Growth in the Phase Formation of Uracil on Au(hkl)
- [44] Th.Dretschkow, **Th.Wandlowski**; Ber. Bunsenges. Phys. Chem. 101 (1997) 749-757 :
The Kinetics of Structural Changes in Anionic Adlayers on Au(111) Electrodes from Sulphuric Acid Solutions
- [45] Th.Dretschkow, A.Dakkouri, **Th.Wandlowski**; Langmuir, 13 (1997) 2843-2856 :

In-situ Scanning Tunneling Microscopy Study of Uracil on Au(111) and Au(100)

- [46] **Th.Wandlowski**, M.Hromadova, R. de Levie; Langmuir 13 (1997) 2766-2772 :
On the Kinetics of Adsorption of Dodecyl Sulfate at the Mercury - Water Interface
- [47] B.M.Ocko, **Th.Wandlowski**; Proceedings of the Materials Research Society "Electrochemical Synthesis and Modification of Materials", T.Moffat u.a. eds. (1996) 1-13,
Boston : *Surface X-Ray Scattering of Halide Electrosorption on Single Crystal Surfaces*
- [48] B.M.Ocko, **Th.Wandlowski**, J.X.Wang; Phys. Rev. Lett. 79 (1997) 1511-1514 :
Bromide on Ag(100) - A Potential-Induced 2D Ising Order/Disorder Transition

1998

- [49] **Th.Wandlowski**, J.X.Wang, B.M.Ocko; J.Phys. Chem 102 (1998) 5859 :
Adsorption of Bromide at the Ag(100) Electrode Surface
- [50] J.X.Wang, **Th.Wandlowski**, B.M.Ocko in "The Electrochemical Double Layer"
C.Korzeniewski, B.E.Conway eds., ECS - Proceedings (1997) 97-17, 293-302:
Lateral Interaction Energy derived from a Frumkin-Isotherm for c(2x2) Adlayers on Ag(100) Surfaces
- [51] S.Wu, J.Lipkowski, O.Magnussen, B.M.Ocko, **Th.Wandlowski**; J. Electroanal. Chem.,
446 (1998) 67-77 :
The Driving Force for the $(px\sqrt{3}) \leftrightarrow (1x1)$ Phase Transition of Au(111) in the Presence of Organic Adsorption - A Combined Chronocoulometric and Surface X-ray Scattering Study
- [52] Th.Dretschkow, **Th.Wandlowski**; Electrochim. Acta 43 (1998) 2991-3006 :
In-situ Scanning Tunneling Microscopy Study of Uracil on Au(100)
- [53] B.M.Ocko, J.Wang, R.Adzic, **Th.Wandlowski**; Synchrotron Radiation News 11 (1998)
23-30 :
Surface X-ray Scattering Studies of Electrosorption
- [54] Th.Dretschkow, D.Lampner, **Th.Wandlowski**, J. Electroanal. Chem., 458 (1998) 121-
138 :
Structural Transitions in 2,2'-Bipyridine Adlayers on Au(111) - An in-situ STM-Study
- [55] **Th.Wandlowski**, Th.Dretschkow, A.Tadjeddine, W.Q.Zheng; LURE Highlights 1998,
4/98, 12-14 :
Two-Dimensional Phase Transitions in Organic Monolayers - An in-situ SFG-Study