

References

1. H. Haken, *Synergetics*. 1977, Berlin: Springer.
2. H. Engel, F.-J. Niedernostheide, H.-G. Purwins, and E. Schöll, eds. *Self-Organization in Activator-Inhibitor-Systems: Semiconductors, Gas-Discharge and Chemical Active Media*. 1996, Wissenschaft & Technik Verlag: Berlin.
3. R.J. Field and M. Burger, *Oscillations and Traveling Waves in Chemical Systems*. 1985, New York: Wiley.
4. R. Kapral and K. Showalter, eds. *Chemical Waves and Patterns*. 1995, Kluwer Academic Publishers: Dordrecht.
5. R. Imbihl and G. Ertl, *Oscillatory kinetics in heterogeneous catalysis*. *Chem. Rev.*, 1995. **95**(3): p. 697-733.
6. P. Glandsdorff and I. Prigogine, *Thermodynamic Theory of Structure, Stability and Fluctuations*. 1971, New York: Wiley.
7. I. Prigogine, *Self-Organisation in Non-Equilibrium Systems*. 1977, New York: Wiley.
8. J.D. Murray, *Mathematical Biology*. 1990, Berlin: Springer.
9. M.G. Th. Fechner, *Über Umkehrungen der Polarität in der einfachen Kette*. *Schweigger J. für Chemie Physik*, 1828. **53**: p. 129-151.
10. W. Ostwald, *Periodische Erscheinungen bei der Auflösung des Chrom in Säuren, 2. Mitteilung*. *Z. Phys. Chem.*, 1900. **35**: p. 204-256.
11. J.L. Hudson and T.T. Tsotsis, *Electrochemical reaction dynamics: a review*. *Chem. Eng. Sci.*, 1994. **49**(10): p. 1493-1572.
12. M.T.M. Koper, *The theory of electrochemical instabilities*. *Electrochim. Acta*, 1992. **37**(10): p. 1771-1778.
13. K. Krischer, *Principles of spatial and temporal pattern formation in electrochemical systems*, in *Modern Aspects of Electrochemistry 32*, B.E. Conway, J.O'M. Bockris, and R.E. White, Eds. 1999, Kluwer Academic/Plenum: New York. p. 1-142.

14. M.T.M. Koper, *Non-linear phenomena in electrochemical systems*. Faraday Trans., 1998. **94**: p. 1369-1378.
15. K. Krischer, *Spontaneous formation of spatio-temporal patterns at the electrode/electrolyte interface*. J. Electroanal. Chem., 2001. **501**(1): p. 1-21.
16. K. Krischer, N. Mazouz, and P. Grauel, *Fronts, waves, and stationary patterns in electrochemical systems*. Angew. Chem. Int. Ed., 2001. **40**(5): p. 851-869.
17. J. Christoph and M. Eiswirth, *Theory of electrochemical pattern formation*. Chaos, 2002. **12**: p. 215-230.
18. G. Flätgen and K. Krischer, *Accelerating fronts in an electrochemical system due to global coupling*. Phys. Rev. E, 1995. **51**(5): p. 3997-4004.
19. P. Strasser, J. Christoph, W.-F. Lin, M. Eiswirth, and J.L. Hudson, *Standing wave oscillation in an electrocatalytic reaction*. J. Phys. Chem. A, 2000. **104**(9): p. 1854-1860.
20. P. Grauel, H. Varela, and K. Krischer, *Spatial bifurcations of fixed points and limit cycles during the electrochemical oxidation of H₂ on Pt ring-electrodes*. Faraday Discuss., 2001. **120**: p. 165-178.
21. H. Varela and K. Krischer, *Nonlinear phenomena during electrochemical oxidation of hydrogen on platinum electrodes*. Catalysis Today, 2001. **70**(4): p. 411-425.
22. J. Lee, J. Christoph, P. Strasser, M. Eiswirth, and G. Ertl, *Spatio-temporal interfacial potential patterns during the electrocatalyzed oxidation of formic acid on Bi-modified Pt*. J. Chem. Phys., 2001. **115**(3): p. 1485-1492.
23. J. Ross, A.P. Arkin, and S.C. Müller, *Experimental evidence for Turing structures*. J. Chem. Phys., 1995. **99**(25): p. 10417-10419.
24. V. Castets, E. Dulos, J. Boissonade, and P. deKepper, *Experimental evidence of a sustained standing Turing-type nonequilibrium chemical pattern*. Phys. Rev. Lett., 1990. **64**(24): p. 2953-2956.
25. I.R. Epstein, I. Lengyel, S. Kádár, M. Kagan, and M. Yokoyama, *New systems for pattern-formation studies*. Physica A, 1992. **188**(1-3): p. 26-33.
26. Q. Ouyang and H.L. Swinney, *Transition from a uniform state to hexagonal and striped Turing patterns*. Nature, 1991. **352**: p. 610-612.

27. I. Lengyel and I.R. Epstein, *Systematic design of chemical oscillations*. 76. *A chemical approach to designing Turing patterns in reaction-diffusion systems*. Proc. Natl. Acad. Sci. USA, 1992. **89**: p. 3977-3979.
28. N. Mazouz and K. Krischer, *A theoretical study on Turing patterns in electrochemical systems*. J. Phys. Chem. B, 2000. **104**(25): p. 6081-6090.
29. A.S. Mikhailov, *Foundations of Synergetics I*. 1994, Berlin: Springer.
30. P. Grauel, J. Christoph, G. Flätgen, and K. Krischer, *Stationary potential patterns during the reduction of peroxodisulfate at Ag ring electrodes*. J. Phys. Chem. B, 1998. **102**(50): p. 10264-10271.
31. F. Plenge, *Ph.D. thesis*. 2003, TU Berlin, Germany (in preparation).
32. G. Nicolis, *Introduction to Nonlinear Science*. 1995, Cambridge: Cambridge University Press.
33. I.R. Epstein and J.A. Pojman, *An Introduction to Nonlinear Chemical Dynamics*. 1998, New York: Oxford University Press.
34. R.W. Murray, *Molecular Design of Electrode Surfaces*. 1992, New York: Wiley.
35. A.M. Turing, *The chemical basis of morphogenesis*. Philos. Trans. R. Soc. London, 1952. **237**: p. 37-72.
36. K. Krischer, N. Mazouz, and P. Grauel, *Fronts, waves and stationary structures in electrochemical systems*. Angew. Chem. Int. Ed., 2001. **40**(5): p. 850-869.
37. D.M. Kolb, *Electrochemical surface science*. Angew. Chem. Int. Ed., 2001. **40**: p. 1162-1181.
38. G. Flätgen and K. Krischer, *A general model for pattern formation in electrode reactions*. J. Chem. Phys., 1995. **103**(13): p. 5428-5436.
39. A.J. Bard and L.R. Faulkner, *Electrochemical Methods: Fundamentals and Applications*. 2nd ed. 2001, New York: Wiley.
40. M.T.M. Koper and J.H. Sluyters, *On the mathematical unification of a class of electrochemical oscillations and their design procedures*. J. Electroanal. Chem., 1993. **352**(1-2): p. 51-64.

41. K. Krischer, *New directions and challenges in electrochemistry - Spontaneous formation of spatiotemporal patterns at the electrode vertical bar electrolyte interface*. J. Electroanal. Chem., 2001. **501**(1-2): p. 1-21.
42. T.L. Ferrell, T.A. Callcott, and R.J. Warmack, *Plasmons and surfaces*. Amer. Sci., 1985. **73**: p. 344-353.
43. M.A. Ordal, L.L. Long, R.J. Bell, S.E. Bell, R.R. Bell, R.W. Alexander, J. Ward, and C.A. Ward, *optical properties of metals Al, Co, Cu, Au, Fe, Pb, Ni, Pb, Ni, Pd, Pt, Ag, Ti, and W in the infrared and far infrared*. Appl. Opt., 1983. **11**: p. 1099-1119.
44. D.M. Kolb, *The study of solid-liquid interface by surface plasmon polariton excitation*, in *Surface Polaritons—Electromagnetic Waves at Surfaces and Interfaces*, V.M. Agranovich and D.L. Mills, Eds. 1982, Amsterdam, North-Holland. p. 299-329.
45. H. Lueth, *Surfaces and Interfaces of Solid Materials*. 3rd ed. 1993, Berlin: Springer.
46. F. Forstmann and H. Stenschke, *Dispersion of plasmons at the surface of a metal and at the interface between two metals*. Phys. Rev. B, 1978. **17**(4): p. 1489-1494.
47. A. Otto, *Spectroscopy of surface polaritons by attenuated total reflection*, in *Optical Properties of Solids - New Developments*, B.O. Seraphin, Ed. 1976, Amsterdam, North-Holland. p. 677-729.
48. E. Kretschmann, *Decay of non radiative surface plasmons into light on rough silver films. Comparison of experimental and theoretical results*. Opt. Commun., 1972. **6**: p. 185-187.
49. A. Tadjeddine and A. Hadjadj, *Study of the Pt/electrolyte interface using surface plasmon excitation at stratified electrodes Part II*. J. Electroanal. Chem., 1988. **246**: p. 43-51.
50. I. Pockrand, J.D. Swalen, J.G. Gordon, and M.R. Philpott, *Surface-plasmon spectroscopy of organic monolayer assemblies*. Surf. Sci., 1978. **74**(1): p. 237-244.
51. K. Krischer, *Nonlinear dynamics in electrochemical systems*, in *Advances in Electrochemical Science and Engineering, Vol. 8*, R.C. Alkire and D.M. Kolb, Eds. 2003, Weinheim, Wiley-VCH. p. 89-208.

52. J.C. Hoogvliet and W.P. van Bennekom, *Gold thin-film electrodes: an EQCM study of the influence of chromium and titanium adhesion layers on the response*. *Electrochim. Acta*, 2001. **47**(4): p. 599-611.
53. M.S. Zei, Y. Nakai, G. Lehmpfuhl, and D.M. Kolb, *The structure of gold and silver films evaporated on glass: A LEED and RHEED study*. *J. Electroanal. Chem.*, 1983. **150**: p. 201-208.
54. D.M. Kolb, *Reconstruction phenomena at metal-electrolyte interfaces*. *Prog. Surf. Sci.*, 1996. **51**(2): p. 109-173.
55. A. Hamelin, *Cyclic voltammetry at gold single-crystal surfaces*. *J. Electroanal. Chem.*, 1996. **407**(1-2): p. 1-21.
56. L. Pohlmann, C. Donner, and H. Baumgärtel, *Predator-prey-like behavior of the condensation process in two-dimensional adsorbate systems*. *J. Phys. Chem. B*, 1997. **101**(49): p. 10198-10204.
57. B. Roelfs, E. Bunge, C. Schroeter, T. Solomun, H. Meyer, R.J. Nichols, and H. Baumgärtel, *Adsorption of thymine on gold single-crystal electrodes*. *J. Phys. Chem. B*, 1997. **101**(5): p. 754-765.
58. S. Kirste and C. Donner, *Coadsorption of the complementary base pair adenine-thymine at the mercury/electrolyte interface*. *Phys. Chem. Chem. Phys.*, 2001. **3**(19): p. 4384-4389.
59. C. Donner and S. Kirste, *Influence of the electrolyte resistance on the transient response in nonfaradaic phase transition experiments on mercury and Au(111)*. *Langmuir*, 2001. **17**(5): p. 1630-1636.
60. R. de Levie, *The dynamic double layer: two-dimensional condensation at the mercury-water interface*. *Chem. Rev.*, 1988. **88**: p. 599-609.
61. H. Striegler, *Rekonstruierte Elektrodenoberflächen im Kontakt mit organischen Verbindungen: Adsorption von Campher an Au(111) und Au(100)*. 1998, Universität Ulm.
62. A.N. Frumkin, N.V. Fedorovich, B.B. Damaskin, E.V. Stennia, and V.S. Krylov, *Polarographic maxima of third kind*. *J. Electroanal. Chem.*, 1974. **50**(1): p. 103-111.

63. N.V. Fedorovich, B.B. Damaskin, E.V. Stenina, and S.M. Beniaminova, *Mechanism of the effect of two-dimensional condensed camphor layers on electroreduction reactions*. Sov. Electrochem., 1979. **15**(9): p. 1226-1229.
64. J. Lipkowski, C. Buess-Herman, J. P. Lambert, and L. Gierst, *Mechanism of electron transfer through monomolecular films of neutral organic species adsorbed at an electrode surface*. J. Electroanal. Chem., 1986. **202**(1-2): p. 169-189.
65. L. Holleck and H. Tuphorn, *Untersuchungen über die Wirkung von Inhibitoren auf die Polarographische Reduktion des Perjodat-Ions*. Naturwissenschaften, 1961. **48**(3): p. 71.
66. W. Haiss, B. Roelfs, S.N. Port, E. Bunge, H. Baumgärtel, and R. J. Nichols, *In-situ infrared spectroscopic studies of thymine adsorption on a Au(111) electrode*. J. Electroanal. Chem., 1998. **454**: p. 107-113.
67. F.G. Thomas, C. Buess-Herman, and L. Gierst, *Phase transition processes displayed by coumarin monolayers at the water-mercury interphase*. J. Electroanal. Chem., 1986. **214**: p. 597-613.
68. T. Wandlowski and R. de Levie, *The kinetics of formation and dissolution of condensed coumarin films*. Bulg. Chem. Commun., 1994. **27**(2): p. 232-245.
69. M. H. Hoelzle and D.M. Kolb, *Two-dimensional phase transitions in electrochemically formed adlayers on gold*. Ber. Bunsenges. Phys. Chem., 1994. **98**(3): p. 330-335.
70. M. Poelman, C. Buess-Herman, and J.-P. Badiali, *Kinetics of disordering of two-dimensional organic phases at the electrochemical interface*. Langmuir, 1999. **15**: p. 2194-2201.
71. E.V. Stenina and L.N. Sviridova, *Two-dimensional condensation of a series of organic-compounds on electrodes of indium amalgam*. Russ. J. Electrochem., 1994. **30**: p. 306-311.
72. S. Sathyanarayana and K.G. Baikerikar, J. Electroanal. Chem., 1970. **25**: p. 209.
73. K.G. Baikerikar and S. Sathyanarayana, J. Electroanal. Chem., 1970. **24**: p. 333.

74. S. Sathyanarayana, *Retardation of electrochemical reactions by adsorbed organic molecules – A quantitative treatment involving theory of irreversible polarographic waves*. J. Electroanal. Chem., 1965. **10**(2): p. 119.
75. R. Philipp, U. Retter, J. Dittrich, E. Muller, and F. Kuschel, *Adsorption and film formation of camphor-10 sulfonate at the mercury solution interface*. Electrochim. Acta, 1987. **32**(12): p. 1671-1677.
76. U. Retter, *Two-dimensional nucleation in the adsorption at the metal electrolyte interface*. J. Electroanal. Chem., 1990. **296**: p. 445-451.
77. H. D. Dorfler, J. Dietrich, E. Muller, and R. Philipp, *2-dimensional condensation in camphor-10-sulfonic acid films at the mercury electrolyte interface. 1. Differential capacity measurements in various supporting electrolytes*. Colloid Polym. Sci., 1990. **268**(7): p. 658-670.
78. H. D. Dorfler, J. Dietrich, E. Muller, and R. Philipp, *2-dimensional condensation in camphor-10-sulfonic acid films at the mercury electrolyte interface. 2. Electrocapillarity and barrier properties of condensed films*. Colloid Polym. Sci., 1990. **268**(7): p. 671-678.
79. R. Philipp, J. Dittrich, U. Retter, and E. Muller, *Two-dimensional nucleation according to an exponential law with diffusion-controlled growth in the adsorption of camphor-10-sulfonate at the mercury electrolyte interface*. J. Electroanal. Chem., 1988. **250**(1): p. 159-164.
80. R. Philipp, *Step-like change of the growth-rate of primarily nucleated centers in the film formation of camphor*. J. Electroanal. Chem., 1990. **290**(1-2): p. 67-78.
81. N.A. Paltusova, A.R. Alumaa, and U.V. Palm, *Camphor adsorption on the faces of bismuth single crystals – surface microstructure and phase-transition in the adsorption layer*. Sov. Electrochem., 1979. **15**(11): p. 1447-1481.
82. N.A. Paltusova, A.R. Alumaa, and U.V. Palm, *Adsorption of camphor on the faces of a bismuth single crystal-calculation of adsorption parameters*. Sov. Electrochem., 1979. **15**(12): p. 1609-1613.
83. H. Striegler, D. Krznaric, and D.M. Kolb, *Two-dimensional condensation of camphor and its derivatives on Au(111) electrode*. J. Electroanal. Chem., 2002. **532**(1-2): p. 227-235.

84. B. Pettinger, M. Danckwerts, and K. Krischer, *Organic compound adsorption on Au(111): simultaneous SHG/electrochemical studies*. *Faraday Discuss.*, 2002. **121**: p. 153-165.
85. J. Oslonovitch, Y.-J. Li, C. Donner, and K. Krischer, *The $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ charge transfer reaction on Au(111) revisited in the presence and absence of a two-dimensional, condensed organic film*. *J. Electroanal. Chem.*, 2003. **541**: p. 163-174.
86. H.O. Finklea, D.A. Snider, J. Fedyk, E. Sabatani, Y. Gafni, and I. Rubinstein, *Characterization of octadecanethiol-coated gold electrodes as microarray electrodes by cyclic voltammetry and ac impedance spectroscopy*. *Langmuir*, 1993. **9**(12): p. 3660-3667.
87. Y.-J. Li, J. Oslonovitch, N. Mazouz, F. Plenge, K. Krischer, and G. Ertl, *Turing-type patterns on electrode surfaces*. *Science*, 2001. **291**: p. 2395-2398.
88. N. Mazouz, G. Flätgen, and K. Krischer, *Tuning the range of coupling in an electrochemical system: From local via nonlocal to global coupling*. *Phys. Rev. E*, 1997. **55**(3): p. 2260-2266.
89. R.D. Otterstedt, N.I. Jaeger, P.J. Plath, and J.L. Hudson, *Global coupling effects on spatiotemporal patterns on a ring electrode*. *Chem. Eng. Sci.*, 1999. **54**: p. 1221-1231.
90. P. Grauel and K. Krischer, *Fronts and stationary domains during electrochemical H_2 oxidation on Pt: The impact of the position of the reference electrode on the spatiotemporal behaviour*. *Phys. Chem. Chem. Phys.*, 2001. **3**(12): p. 2497-2502.
91. H. Varela, *Ph.D. Thesis*. 2003, FU Berlin, Germany (in preparation).
92. N. Mazouz, G. Flätgen, K. Krischer, and I.G. Kevrekidis, *The impact of the operation mode on pattern formation in electrode reactions: From potentiostatic to galvanostatic control*. *J. Electrochem. Soc.*, 1998. **145**: p. 2404-2411.
93. I. Epelboin, C. Gabrielli, M. Keddam, J.-C. Lestrade, and H. Takenouti, *Passivation of iron in sulfuric acid medium*. *J. Electrochem. Soc.: Electrochemical Science and Technology*, 1972. **119**(12): p. 1632-1637.

94. C. Lamy and C.C. Herrmann, *A new method for ohmic-drop compensation in potentiostatic circuits. Datability and bandpass analysis, including the effect of faradaic impedance.* J. Electroanal. Chem., 1975. **59**: p. 113-135.
95. A. Martin, M. Lerch, P. Simmonds, and L. Eaves, *Observation of intrinsic tristability in a resonant tunneling structure.* Appl. Phys. Lett., 1994. **64**(10): p. 1248-1250.
96. J. Lee, *Electro-oxidation of small organic molecules: Kinetic instabilities and spatiotemporal pattern formation, Ph.D. Thesis.* 2001, FU Berlin, Germany.
97. J. Christoph, *Musterbildung auf Elektrodenoberflächen, Ph.D. Thesis.* 1999, FU Berlin, Germany.
98. A. Birzu, B.J. Green, R.D. Otterstedt, N.I. Jaeger, and J.L. Hudson, *Modelling of spatiotemporal patterns during metal electrodisolution in a cell with a point reference electrode.* Phys. Chem. Chem. Phys., 2000. **2**(12): p. 2715-2724.
99. S. Bose, P. Rodin, and E. Scholl, *Competing spatial and temporal instabilities in a globally coupled bistable semiconductor system near a codimension-two bifurcation.* Phys. Rev. E, 2000. **62**(2): p. 1778-1789.
100. S. Lingler, I. Rubinstein, W. Knoll, and A. Offenhäuser, *Fusion of small unilamellar lipid vesicles to alkanethiol and thiolipid self-assembled monolayers on gold.* Langmuir, 1997. **13**: p. 7085-7091.
101. J. Kuta and E. Yeager, *Influence of cations on electrode-kinetics of ferricyanide-ferrocyanide system on rotating gold electrode.* J. Electroanal. Chem., 1975. **59**(1): p. 110-112.
102. E.L. Goldstein and M.R. VanDeMark, *Electrode cleaning and anion effects on k_s for $K_3Fe(CN)_6$ couple.* Electrochim. Acta, 1982. **27**: p. 1079-1085.
103. L.M. Peter, W. Dürr, P. Bindra, and H. Gerischer, *The influence of alkali metal cations on the rate of the $Fe(CN)_6^{3-/4-}$ electrode process.* J. Electroanal. Chem., 1976. **71**: p. 31-50.
104. E.E. Ferapontova and N.V. Fedorovich, *Effect of cation adsorption on the kinetics of anion electroreduction Part I.* J. Electroanal. Chem., 1999. **476**(1): p. 26-36.

105. B.B. Damaskin, V.A. Safonov, and N.V. Fedorovich, *Some specific features of the effect of multicharged cations on the electroreduction of anions*. J. Electroanal. Chem., 1993. **349**(1-2): p. 1-14.
106. P.A. Christensen, A. Hamnett, and P.R. Trevellick, *In-situ infrared studies in electrochemistry*. J. Electroanal. Chem., 1988. **242**(1-2): p. 23.
107. S. Pons, M. Datta, J.F. McAleer, and A.S. Hinman, *Infrared spectroelectrochemistry of the $Fe(CN)_6^{3-/4-}$ redox system*. J. Electroanal. Chem., 1984. **160**(1-2): p. 369-376.
108. M. Fleischmann, P.R. Graves, and P.R. Robinson, *Adsorption of $Fe(CN)_6^{3-/4-}$ onto the electrode*. J. Electroanal. Chem., 1985. **182**: p. 87.
109. K. Niwa and K. Doblhofer, *The interrelation between the electrochemical behavior of a polymer-coated electrode and the ion-exchange properties of the coating*. Electrochim. Acta, 1986. **33**(5): p. 549-553.
110. C.M. Pharr and P.R. Griffiths, *Infrared spectroelectrochemical analysis of adsorbed hexacyanoferrate species formed during potential cycling in the ferrocyanide-ferricyanide redox couple*. Anal. Chem., 1997. **69**: p. 4672-4679.
111. C.M. Pharr and P.R. Griffiths, *Step-scan FT-IR spectroelectrochemical analysis of surface and solution species in the ferricyanide/ferrocyanide redox couple*. Anal. Chem., 1997. **69**: p. 4665-4672.
112. W. Huang and R. McCreery, *Electron-transfer kinetics of $Fe(CN)_6^{3-/4-}$ on laser-activated and CN^- modified Pt electrodes*. J. Electroanal. Chem, 1992. **326**(1-2): p. 1-12.
113. K. Kunimatsu, Y. Shigematsu, K. Uosaki, and H. Kitz, *Study of the $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ redox system on Pt by EMIRS. 1. Infrared-spectra of the intermediates in the charge transfer*. J. Electroanal. Chem., 1989. **262**(1-2): p. 195-209.
114. C.H. Hamann, A. Hamnett, and W. Vielstich, *Electrochemistry*. 1998, Weinheim: Wiley-VCH.
115. B.E. Conway and J.C. Currie, *Significance of effects of high pressure on kinetics of electrode reactions II. The nature of solvent reorganization in the activation process of an electrochemical redox reaction*. J. Electrochem. Soc., 1978. **135**(2): p. 257-264.

116. S. Vyboishchikov, (*The estimation of the size of a camphor molecule was done with the program 'Cerius2' and resulted in a spherical molecule with the radius 3 Angstrom.*). 2002.
117. N.V. Fedorovich, B.B. Damaskin, E.V. Stenina, and S.M. Beniaminova, *Mechanism of the effect of two-dimensional condensed camphor layers on electroreduction reactions*. *Elektrokhimiya*, 1979. **15**: p. 1413-1416.
118. Y. Iwasaki, T. Horiuchi, M. Morita, and O. Niwa, *Electrochemical reaction of $Fe(CN)_6^{3-/4-}$ on gold electrodes analyzed by surface plasmon resonance*. *Surf. Sci.*, 1999. **427-428**: p. 195-198.
119. M.A. Malik, K. Miecznikowski, and P.J. Kulesza, *Quartz crystal microbalance monitoring of mass transport during redox processes of cyanometallate modified electrodes: complex charge transport in nickel hexacyanoferrate films*. *Electrochim. Acta*, 2000. **45(22-23)**: p. 3777-3784.
120. K. Itaya, H. Akahoshi, and S. Toshima, *Electrochemistry of Prussian Blue modified electrodes - An electrochemical preparation method*. *J. Electrochem. Soc.*, 1982. **129(7)**: p. 1498-1500.
121. K. Itaya, N. Shoji, and I. Uchida, *Catalysis of the reduction of molecular-oxygen to water at Prussian Blue modified electrodes*. *J. Am. Chem. Soc.*, 1984. **106(12)**: p. 3423-3429.
122. H. Gomathi and G.P. Rao, *Simple electrochemical immobilization of the ferrolferricyanide redox couple on carbon electrodes*. *J. Appl. Electrochem.*, 1990. **20**: p. 454.
123. A.A. Karyakin, O.V. Gitelmacher, and E.E. Karyakina, *Prussian Blue based first-generation biosensor - A sensitive amperometric electrode for glucose*. *Anal. Chem.*, 1995. **67(14)**: p. 2419-2423.
124. Q.J. Chi and S.J. Dong, *Amperometric biosensors based on the immobilization of oxidases in a Prussian Blue film by electrochemical codeposition*. *Anal. Chim. Acta*, 1995. **310(3)**: p. 429.
125. R. Yang, Z. Qian, and J. Deng, *Electrochemical deposition of Prussian Blue from a single ferricyanide solution*. *J. Electrochem. Soc.*, 1998. **145**: p. 2231-2236.

126. D.N. Upadhyay and D.M. Kolb, *Optical properties of Prussian-Blue-modified gold and platinum single-crystal electrodes*. *J. Electroanal. Chem*, 1993. **358**(1-2): p. 317-325.
127. S. Pons, M. Datta, J.F. McAleer, and A.S. Hinman, *J. Electroanal. Chem.*, 1984. **160**: p. 369.
128. J.F. Smalley, L. Geng, S. W. Feldberg, L.C. Rogers, and J. Leddy, *Evidence for adsorption of $\text{Fe}(\text{CN})_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method*. *J. Electroanal. Chem*, 1993. **356**(1-2): p. 181-200.
129. M. Kim, M. Bertram, M. Pollmann, A. von Oertzen, A.S. Mikhailov, H.H. Rotermund, and G. Ertl, *Controlling chemical turbulence by global delayed feedback: Pattern formation in catalytic CO oxidation on Pt(110)*. *Science*, 2001. **292**(5520): p. 1357-1360.

Publications

1. Y.-J. Li, J. Oslovitch, N. Mazouz, F. Plenge, K. Krischer, and G. Ertl, *Turing-type patterns on electrode surfaces*. *Science*, 2001. **291**(5512): p. 2395-2398.
2. J. Oslovitch, Y.-J. Li, C. Donner, and K. Krischer, *The $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ charge transfer reaction on Au(111) revisited in the presence and absence of a two-dimensional, condensed organic film*. *J. Electroanal. Chem.*, 2003. **541**: p. 163-174.

(A few papers are in preparation.)