Curriculum vitae

Nils Börje INGMAR PERSSON
Born March 23, 1953

Education

1. M. Sc. in chemistry, 80 credits, and biology, 40 credits, Lund University, November 14, 1975.
2. Ph.D. in chemistry, especially inorganic chemistry, Lund University, April 2, 1980. Title of thesis ”Thermodynamic and Structural Studies of Some Metal Halide and Thiocyanate Complexes in Dimethylsulfoxide Solution”.

Positions

1. Research associate, Lund University May-September 1980.
2. Post. doc. position at Stanford University under supervision of Prof. Henry Taube, October, 1980-September 1981.
3. Research associate in Inorganic Chemistry, Lund University, May 1981-September 1987, on leave May-September 1981.
4. Research associate on a grant from the Swedish Natural Science Research Council at Lund University, October 1987-December 1988.
5. Professor of Inorganic and Physical Chemistry at the Department of Chemistry, Swedish University of Agricultural Sciences, Uppsala, since January 1, 1989.
6. I was vice Dean at the Faculty of Agriculture, Landscaping and Horticulture at the Swedish University of Agricultural Sciences with special responsibility for the education January 1, 1996 - December 31, 1998. This assignment meant that I was chairman of several committees responsible for educational questions at different levels within the university and the Faculties Faculty of Agriculture, Landscaping and Horticulture, and Forestry.

Supervision

I have been main supervisor for the following persons in their Ph.D. studies.

1. F. Hultén, Thermodynamic and Structural Studies of Silver(I) Complexes with Phosphine, Arsine and Stibine in Pyridine, University of Gothenburg, Göteborg 1986.
2. M. Johnsson, Solvation of Univalent Ions in Solvents of Different Donor Properties and Thermodynamic and Structural Studies on Complexes in Tetrahydrothiophene, Lund University, Lund 1986.
3. F.M. Zintl, Some Mercury(II) Complexes with Organic Chalcogen Donors - A Structural, Thermodynamic and Spectroscopic Study, Lund University, Lund 1986.
4. A. Ericson, Structural Studies Using X-Ray Absorption and Scattering Techniques, Lund University, Lund 1990.
5. P. Persson, On the Adsorption of Alkylxanthates Ions on Sulfide Mineral and Synthetic Metal Sulfide Surfaces, Swedish University of Agricultural Sciences, Uppsala 1990.
6. M. Chaudhry, Thermodynamic and Structural Studies of Some Divalent Ions in Solvents with Different Electron-Pair Donor Solvents, Swedish University of Agricultural Sciences, Uppsala 1993.

7. M. Valli, On the Sorption of Some Soft Ligands on Sulphide Mineral Surfaces, Swedish University of Agricultural Sciences, Uppsala 1994.
8. T. Sjöqvist, Soil Biochemical and Microbial Activities as Affected by Heavy Metals and Liming, Swedish University of Agricultural Sciences, Uppsala 1996.
9. C.M.V. Stålhandske, *N,N*-Dimethylthioformamide - A Structural and Spectroscopic Study of the Solvent and Some Solvated Metal Ions and Complexes, Swedish University of Agricultural Sciences, Uppsala 1996.
10. G. Westermark, Chemisorption of Phosphines on Coinage and Platinum Group Metal Surfaces, Swedish University of Agricultural Sciences, Uppsala 1997.
11. P. Schuisky, Synthesis of Metal Complexes and Potential Food Mutagens, Swedish University of Agricultural Sciences, Uppsala 1998.
12. Jan Näslund, Solvated Trivalent Metal Ions in Solution - A Coordination Chemistry Study, Swedish University of Agricultural Sciences, Uppsala 2000.
13. C. Lindblad, Chelating Surfactants - Self-organization and Complex Formation, Swedish University of Agricultural Sciences, Uppsala 2003.
14. L. Häggman, Chelating Surfactants - Analysis, Hydrogen Bonding and Structures, Swedish University of Agricultural Sciences, Uppsala 2003.
15. Kersti B. Nilsson, Coordination Chemistry in Liquid Ammonia and Phosphorus Donor Solvents, Swedish University of Agricultural Sciences, Uppsala 2005.
16. Daniel Lundberg, The Coordination Chemistry of Solvated Metal Ions in DMPU – A Study of a Space-demanding Solvent, Swedish University of Agricultural Sciences, Uppsala 2006.
17. Gunnar Almkvist, The Chemistry in the Vasa – iron, acids and decomposition, Swedish University of Agricultural Sciences, Uppsala 2008.
18. Natallia Torapava, Hydration, solvation and Hydrolysis of Multicharged Metal Ions, Swedish University of Agricultural Sciences, Uppsala 2011.
19. Johan Mähler, The Adsorption of Arsenic Oxyacids to Iron Oxyhydroxide Columns - Including Studies of Weakly Hydrated Ions and Molecules in Aqueous Solution, Swedish University of Agricultural Sciences, Uppsala 2013.
20. Shahin Norbakhsh, Implications of Chemical Deterioration on Mechanical Performance of Wood, Swedish University of Agricultural Sciences, Uppsala 2014.
21. Lars Eklund, Hydration of Oxo Anions - A Combined Computational and Experimental Structure and Dynamics Study in Aqueous Solutions, Swedish University of Agricultural Sciences, Uppsala 2014.

I have been main supervisor for the following persons in their licentiate studies.

22. Camelia Hagfeldt, The Coordination Chemistry of Zirconium(IV) and Hafnium(IV) Ions in Aqueous Solutions Studied by Crystallography, EXAFS and Large Angle X-ray Scattering, Swedish University of Agricultural Sciences, Uppsala 2003.
23. Lars Eklund, Asymmetric and Symmetric Hydration of Hydrated Anions in aqueous Solution, Swedish University of Agricultural Sciences, Uppsala 2011.
24. Charles Johansson, Deterioration of Recent oak by Iron compounds - a Comparison with *Vasa* oak, Swedish University of Agricultural Sciences, Uppsala 2012.

I have been main supervisor for the following persons in their Masters project.

25. Elisabeth Österberg, Remediation of Chromium Contaminated Soils and Leather – Appliaction to Tanning Industry Waste, Swedish University of Agricultural Sciences, Uppsala 2003.
26. Märit Sällström, Physico-chemical characteristics of some soils from Mali and their potential in heavy metal removal, Swedish University of Agricultural Sciences, Uppsala 2008.
27. Anna Hernell, Water purification capacity of natural mixed clays from Malawi, Swedish University of Agricultural Sciences, Uppsala 2009.
28. Hanna Larsson, Textile dyeing in Mali – Possibilities for small scale effluent treatment, Swedish University of Agricultural Sciences, Uppsala 2009.
29. Sofie Orvestedt, management and impact on people's health when cultivating on sites contaminated with heavy metals Swedish University of Agricultural Sciences, Uppsala 2015.
30. Sabina Braun, The impact of waste handling on small scale farming in Malawi, Swedish University of Agricultural Sciences, Uppsala 2015.

I have been assistant supervisor for the following persons in their Ph.D. studies.

1. Michael C. Read, On the Hydration and Rh(III) and Cr(III), and the Hydrolysis and Complexation of Rh(III), Royal Institute of Technology, Stockholm 1992.
2. Ralf Åkesson, Transition Metal Ion Solvation, Quantum Chemical Investigations of Hydration Phenomena, and Experimental Studies on Mercury(II) and Copper(I), Royal Institute of Technology, Stockholm 1993.
3. Hans Kariis, Adsorption of Organic Phosphines and Thiols on Metal Surfaces, Linköping University, Linköping 1998.
4. Farideh Jalilehvand, Structure of Hydrated Ions and Cyano Complexes by X-Ray Absorption Spectroscopy, Royal Institute of Technology, Stockholm 2000.
5. Patric Lindqvist-Reis, Structure of Solvated Metal Ions - Solution and Crystal Structure of Ga^{3+}, In^{3+}, Sc^{3+}, Y^{3+}, La^{3+} and Ca^{2+} Ions with Water and Non-Aqueous Oxygen Donor Solvents, Royal Institute of Technology, Stockholm 2000.
6. Dorota Bobicz, Objetosci molowe soli metali w demtylosulfotlenku, Technical University of Gdansk, Gdansk 2001.
7. Daniela Rusanova-Naydenova, An NMR Synopsis of the Coordination Chemistry of Copper(I) Dithiophosphate Clusters, Luleå University of Technology, Luleå 2006.
8. Krzysztof Lyzcko, Struktura kompleksow olowiu(II) z mono- i bidentnymi ligandami zawierajacymi donorowe atomy tlenu. (Structure of lead(II) complexes with mono- and bidentate oxygen donor ligands.) Polish Institute of Nuclear Chemistry and Technology, Warszawa, Poland, December 2007.
9. Samson M. I. Sajidu, Evaluation of water/wastewater quality in Blantyre City and heavy metal removal using alkaline clays and *Moringa* seeds, University of Malawi, Zomba, Malawi, March 2008.
10. Joris W. J. van Schaik, Binding of metals to macromolecular organic acids n natural waters, Swedish University of Agricultural Sciences, Uppsala, October 2008.

11. Carin Sjöstedt, Iron and aluminium speciation in Swedish freshwaters, Royal Institute of Technology, Stockholm 2012.

Evaluation Committees

1. Member of the evaluation committee to select Professor of Analytical Chemistry at the Norwegian University of Agricultural Sciences, Ås, Norway, 1993.
2. Member of the evaluation committee to select Professor of Terrestrial Environmental Chemistry at the Royal Veterinary and Agricultural University, Copenhagen, Denmark, 1997.
3. I have been faculty opponent on the Ph.D. theses by
   a/ P.-Å. Bergström, Uppsala University, Uppsala 1991. Title of *thesis*: Single-Ion Hydration Properties in Aqueous Solution. A quantitative infrared spectroscopic study, Uppsala University, Uppsala 1991.
   b/ K. C. Rout, Complexation an dsolvent extraction studies of thorium(IV) and uranium(VI), Utkal University, Bhubaneswar, India, 1994.
   c/ S. Díaz-Moreno, University of Sevilla, Estudio de la Estructura de Complejos Metálicos en Disolución Mediante Espectroscopías de Absorción de Rayos X, Sevilla Spain 1998.
   d/ U. Pretzmann, Den Kgl. Veterinær- og Landbohøjskole, Adamanzaner - Syntese og karakterisering af bi- og tricycliske tetraaminer og deres koordinationsforbindelser, Köpenhamn 1999.
   e/ M. Örtendahl, Göteborg University, Electrochemical Properties of Vanadium-acetylacetonato Complexes in Organic Solvents, Göteborg 1999.
   f/ B. Randolf, Leopold-Franzens-University of Innsbruck, Quantum Mechanical Simulations of Electrolyte Solution on High Performance Computing Clusters, Innsbruck Austria 2006.
   g/ Kristian Jensen, Copenhagen University, Adamanzanes-Characterization – Novel Ligands for Radiochemistry, Köpenhamn 2009.
   h/ Debapratin Ghosh, University of North Bengal, Darjeeling, India, Studies on the Behaviour of Polyelectrolytes & their Inte3raction with Small Ion and Surfactant in Mixed Solvent, 2010.
   i/ Ivan Calabante, Luleå University of Technology, Arsenic (V) adsorption on iron oxide – Implications for soil remediation and wate purification, Luleå, 2012
4. I have been faculty opponent on the licentiate theses by
   a/ M. Jarlbring, Characterisation and Surface Reactions of Iron Oxides and Fluorapatite in aqueous Systems, Luleå University of Technology, Luleå 2004.
   b/ A. Fredriksson, Adsorption of heptyl Xanthate at the Metal Sulphide/aqueous Interface, Luleå University of Technology, Luleå 2004.
   c/ D. Rusanova-Naydenova, 31P- and 65Cu Solid State NMR Studies of Cu(I) Dialkyldithiophosphates: Complex FormationMechanism on Synthetic Chalcocite Surfaces, Luleå University of Technology, Luleå 2004.
   d/ K. T. Wikfeldt, Structural Information on Liquid Water from X-ray and Neutron Scattering, Stockholm University, Stockholm 2009.
   e/ K. Larsson, Characterization and Dissolution of HEV NiMH Batteries, Chalmers University of Technology, Göteborg 2010.
5. I have been member of the evaluation committee for the following Ph.D. theses.

a/ M. Dahlund, Aspects of the Complex Chemistry of Olsalazine, 3,3'-Azo-bis(6-hydroxybenzoic Acid), Uppsala University, Uppsala 1989.

b/ O. Kristiansson, Hydration of Ions in Aqueous Solution Studied by Infrared Spectroscopy, Uppsala University, Uppsala 1989.

c/ K. Uvdal, Chemical and Electronic Structure of Conjugated Polymers and Organic Molecular Adsorbates, Linköping University, Linköping 1991.

d/ Processes Affecting the Mobility of Uranium in natural Waters, Royal Institute of Technology, Stockholm 1991.

e/ U. Jäglid, Steric and Inductive effects on the Alkoxy Exchange reaction Kinetics of Alkoxysilanes, University of Göteborg, Göteborg 1993.

f/ E. Östhols, Some Processes Affecting the Mobility of Thorium in Natural Ground Waters, Royal Institute of Technology, Stockholm 1994.

g/ K.C. Rout, Complexation and Solvent Extraction Studies of Thorium and Uranium(IV), Utkal University, Bhubaneswar, India 1994.

h/ A. Elfström-Broo, Electrochemical Aspects on Sulfide Mineral Flotation: Galena and Pyrite, University of Göteborg, Göteborg 1995.

i/ E. Karltun, Sulphate on Variable-Charge Minerals in Podzolized Soils in Relation to Sulphur Deposition and Soil Acidity, Sveriges lantbruksuniversitet, Uppsala 1995.

j/ H. Bergersen, Free Neutral Clusters and Liquids Studied by Electron Spectroscopy and Lineshape Modeling, Uppsala University, Uppsala 2008.

k/ A. Ödegaard-Jensen, PuO_2 and Spent Nuclear Fuel Matrix Dissolution Under Repository Conditions, Chalmers University of Technology, Göteborg 2009.

l/ J. Gråsjö, Molecular Arrangement, Electronic Structure and Transport Properties in Surfactant Gel- and Related Systems Studied by Soft X-ray and Dielectric Spectroscopy Uppsala University, 2013.

m/ Richard Eriksson, Structural Changes in Lithium Battery Materials Induced by Aging and Usage, Uppsala University, 2015.

Others

1. I became promoted to Docent in Inorganic Chemistry, Lund University, June 11, 1986.
2. I was conference secretary and editor of "19th International Conference of Solution Chemistry" held in Lund August 15-18, 1988. The eleven plenary lectures I edited are published in *Pure Appl. Chem.* **60** (1988) 1731-1863.
3. I was head of the Department of Chemistry, SLU, May 1991-February 1996, and July 2003-December 2006.
4. I was single investigator in a work describing the situation for the educations on university level within the field food science. Title of report: Livsmedelsutbildningar vid SLU - En sammanställning och utvärdering 1997 (in Swedish), Swedish University of Agricultural Sciences, Uppsala 1997.
5. a/ I was member of the committee to propose a new education in the field of horticulture common between Denmark and Sweden, title of report: Förslag till Gemensam svensk-dansk hortonomutbildning/Forslag til Fælles dansk-svensk hortonomuddannelse, Alnarp/Köpenhamn 1998.

b/ I was also chairman of the subcommittee working out the proposal to the new education.

6. Chairman of the international steering committee of the conference series "International Conferences of Solution Chemistry", since 2001.
7. Member of the conservation council at the Vasa museum, June 2001-December 2006.
8. Chairman of the user's organization at MAX-lab (FASM), Lund University, October 2007-September 2013.
9. Main responsible and spokesperson for the planned *in-situ* hard X-ray absorption spectroscopy beam-line BALDER at MAX IV.
10. Member of infrastructure committee at the Swedish University of Agricultural Sciences, since April 2014.
11. Member of infrastructure division of the Swedish Research Council (RFI) since April 2014.
12. Swedish delegate of NORDSYNC and European Synchrotron Radiation Facility (ESRF) council September 2014-September 2017.
13. Member of hearing committee at the recruiting of new vice-chancellor and deputy vice-chancellor at SLU 2015-2016.
14. Chairman of the committee for the selection o fexcellent teachers at the Swedish University of Agricultural Sciences since January 2015.
15. Member of the Swedish National Council for Nuclear Waste since April 2015.

Scientific publications in international peer-reviewed journals

1. M. Sandström and I. Persson, Crystal and Molecular Structure of Hexakis(dimethylsulfoxide)mercury(II) Perchlorate, $[Hg((CH_3)_2SO)_6](ClO_4)_2$.
   Acta Chem. Scand., Ser. A **32** (1978) 95-100; doi: 10.3891/acta.chem.scand.32a-0095
2. M. Sandström, I. Persson and S. Ahrland, On the Coordination Around Mercury(II), Cadmium(II) and Zinc(II) in Dimethylsulfoxide and Aqueous Solutions. An X-Ray Diffraction, Raman and Infrared Investigation.
   Acta Chem. Scand., Ser. A **32** (1978) 607-625; 10.3891/acta.chem.scand.32a-0607
3. S. Ahrland and I. Persson, Metal Halide and Pseudohalide in Dimethylsulfoxide Solution. VII. Standard Electrode Potentials in Dimethylsulfoxide and Exchange Reactions Between Dimethylsulfoxide and Water, Involving Metal Ions of Groups 1B and 2B.
   Acta Chem. Scand, Ser. A **34** (1980) 645-650; doi: 10.3891/acta.chem.scand.34a-0645
4. O. Johansson, I. Persson and M. Wedborg, Calorimetric Study of the Thermodynamics of Formation of $MgSO_4$ and $NaSO_4^-$ Ion Pairs at the ionic Strength of Seawater.
   Marine Chem. **8** (1980) 191-198.
5. S. Ahrland, I. Persson and R. Portanova, Metal Halide and Pseudohalide Complexes in Dimethylsulfoxide Solution. IX. Equilibrium and Enthalpy Measurements on the Mercury(II) Chloride, Bromide, Iodide and Thiocyanate Systems.
   Acta Chem. Scand. Ser. A **35** (1981) 49-60; doi: 10.3891/acta.chem.scand.35a-0049
6. S. Ahrland, N.-O. Björk and I. Persson, Metal Halide and Pseudohalide Complexes in Dimethylsulfoxide Solution. X. Equilibrium and Enthalpy Measurements on Halide Systems of Zinc(II), Cadmium(II) and Mercury(II) in 0.1 M Ammonium Perchlorate.
   Acta Chem. Scand. Ser. A **35** (1981) 67-75; doi: 10.3891/acta.chem.scand.35a-0067
7. S. Ahrland, I. Persson and R. Portanova, Metal Halide and Pseudohalide Complexes in Dimethylsulfoxide Solution. XI. Calorimetric Measurements on the Zinc(II) and Cadmium(II) Bromide Systems in Various Ionic Media.
   Acta Chem. Scand. Ser. A **35** (1981) 185-192; doi: 10.3891/acta.chem.scand.35a-0185
8. S. Ahrland, E. Hansson, Å. Iverfeldt and I. Persson, An X-Ray Diffraction and Raman Study of Mercury(II) Chloride, Bromide and Iodide Complexes in Dimethylsulfoxide Solution.
   Acta Chem. Scand., Ser. A **35** (1981) 275-285; doi: 10.3891/acta.chem.scand.35a-0275
9. I. Persson, Å. Iverfeldt and S. Ahrland, An X-Ray Diffraction and Raman Study of Mercury(II), Cadmium(II) and Zinc(II) Thiocyanate Complexes in Dimethylsulfoxide Solution.
   Acta Chem. Scand., Ser. A **35** (1981) 295-304; doi: 10.3891/acta.chem.scand.35a-0295
10. I. Persson, The Crystal Structure of Hexakis(dimethylsulfoxide)zinc(II) Perchlorate and the Structure of the Hexakis(dimethylsulfoxide)zinc(II) Ion in Dimethylsulfoxide Solution.
    Acta Chem. Scand., Ser. A **36** (1982) 7-13; doi: 10.3891/acta.chem.scand.36a-0007
11. S. Ahrland, S.-I. Ishiguro, A. Marton and I. Persson, Thermodynamics and Structures of Complexes in Solvents Coordinating Through Nitrogen. II. Equilibrium and Enthalpy Measurements on the Mercury(II) Chloride, Bromide, Iodide and Thiocyanate Systems in Pyridine.
    Acta Chem. Scand. Ser. A **39** (1985) 227-240; doi: 10.3891/acta.chem.scand.39a-0227
12. Å. Iverfeldt and I. Persson, The Solvation Thermodynamics of Methylmercury(II) Species Derived from Measurements of the Heat of Solution and the Henry´s Law Constant.
    Inorg. Chim. Acta **103** (1985) 113-119.

13. I. Persson and M. Sandström, Raman Studies of the Monoiodide Complex of Mercury(II) in Dimethylsulfoxide and Pyrdine Solution.
Acta Chem. Scand., Ser. A **39** (1985) 519-521; doi: 10.3891/acta.chem.scand.39a-0519
14. I. Persson, M. Sandström, P.L. Goggin and A. Mosset, Structure and Solvation of Mercury(II) Iodide, Bromide and Chloride in Pyridine Solution; Refinement of the Crystal Structure of Diiodobis(pyridine)mercury(II), $[HgI_2(py)_2]$.
J. Chem. Soc, Dalton Trans. (1985) 1597-1605; doi: 10.1039/DT9850001597
15. M. Molund and I. Persson, STEPLR - A Program for Refinements of Data on X-Ray Scattering by Liquids.
Chem. Scr. **25** (1985) 197-197.
16. I. Persson, Automation of a Titration Calorimeter System.
Acta Chem. Scand., Ser. A **39** (1985) 411-414; doi: 10.3891/acta.chem.scand.39a-0411
17. I. Persson, Solvation and Complex Formation in Strongly Solvating Solvents.
Pure Appl. Chem. **58** (1986) 1153-1161.
18. I. Persson, M. Landgren and A. Marton, On the Solvation Thermodynamics of the Neutral Mercury(II) Halides in Different Solvents at 25 ^{o}C.
Inorg. Chim. Acta **116** (1986) 135-144.
19. S. Ahrland, S.-I. Ishiguro and I. Persson, Thermodynamics and Structures of Complexes in Solvents Coordinating Through Nitrogen. III. Equilibrium and Enthalpy Measurements on the Copper(I) and Silver(I) Chloride, Bromide, Iodide and Thiocyanate Systems in Pyridine.
Acta Chem. Scand, Ser. A **40** (1986) 418-427; doi: 10.3891/acta.chem.scand.40a-0418
20. Å. Iverfeldt and I. Persson, The Structures of Solvated Methylmercury(II) Chloride, Bromide and Iodide in Pyridine Solution; Implications for Aqueous Solution.
Inorg. Chim. Acta **111** (1986) 171-178.
21. Å. Iverfeldt and I. Persson, The Structure of Methylmercury(II) Hydroxide in Aqueous Solution.
Inorg. Chim. Acta **111** (1986) 179-185.
22. I. Persson, M. Sandström and P.L. Goggin, On the Coordinating Properties of Some Solvents. A Vibrational Spectroscopic Study of Mercury(II) Halides and Antimony(V) Chloride in Solution. A New Concept for a Lewis Basicity Scale of Solvents.
Inorg. Chim. Acta **129** (1987) 183-197.
23. M. Johnsson and I. Persson, Determination of Gibbs Free Energy of Transfer for Some Univalent Ions from Water to Methanol, Acetonitrile, Dimethylsulfoxide, Pyridine, Tetrahydrothiophene and Liquid Ammonia; Standard Electrode Potentials of Some Couples in These Solvents.
Inorg. Chim. Acta **127** (1987) 15-24.
24. M. Johnsson and I. Persson, Determination of Heats and Entropies of Transfer for Some Univalent Ions from Water to Methanol, Acetonitrile, Dimethylsulfoxide, Pyridine and Tetrahydrothiophene.
Inorg. Chim. Acta **127** (1987) 25-34.
25. B. Caesar, M. Johnsson and I. Persson, Determination of Heat of Transfer of the Proton from Water to Dimethylsulfoxide and Pyridine.
Inorg. Chim. Acta **128** (1987) L23-L24.
26. M. Johnsson and I. Persson, Determination of Heat of Solvation of the Copper(I) and Silver(I) Ions and Halide Complexes in Tetrahydrothiophene.
Inorg. Chim. Acta **127** (1987) 43-47.

27. M. Johnsson, I. Persson and R. Portanova, Equilibrium and Enthalpy Measurements on the Copper(I) and Silver(I) Chloride, Bromide, Iodide and Thiocyanate Systems in Tetrahydrothiophene.
Inorg. Chim. Acta **127** (1987) 35-42.
28. F. Zintl and I. Persson, Interactions of d^{10} Metal Ions and Organic Sulfur Ligands in Non-Aqueous Solvents. A Thermodynamic Study on the Complex Formation Between and Thiolates in Pyridine, and Between Silver(I) and Various Sulfides in Pyridine and Dimethylsulfoxide.
Inorg. Chim. Acta **131** (1987) 21-26.
29. S. Ahrland, F. Hultén and I. Persson, Equilibrium and Enthalpy Measurements on the Complex Formation Between Silver(I) and Ligands Coordinating via N,P, As, Sb and Bi in Pyridine Solution.
Acta Chem. Scand., Ser A **40** (1986) 595-600; doi: 10.3891/acta.chem.scand.40a-0595
30. F. Hultén and I. Persson, Equilibrium and Enthalpy Measurements on the Complex Formation Between Silver(I) and Tri- and Dialkylphosphines and Tributylstibine in Pyridine Solution.
Inorg. Chim. Acta **128** (1987) 43-49.
31. F. Hultén and I. Persson, Stability of some Mercury(II) Phosphine Complexes in Pyridine.
Inorg. Chim Acta **129** (1987) L33-L35.
32. K. Nilsson and I. Persson, The Structure of Silver(I) Solvate and Sodium Diiodoargentate(I) in Acetonitrile Solution.
Acta Chem. Scand, Ser. A **41** (1987) 139-145; doi: 10.3891/acta.chem.scand.41a-0139
33. F. Hultén and I. Persson, The Structure of the Tetrakis(pyridine)silver(I) and Bis(tributylstibine)silver(I) Complexes in Pyridine Solution.
Acta Chem. Scand, Ser. A **41** (1987) 87-92; doi: 10.3891/acta.chem.scand.41a-0087
34. M. Johnsson and I. Persson, The Structure of Silver(I) Iodide and Bromide, and the Silver(I) Solvate in Tetrahydrothiophene Solution. An X-Ray Scattering and Raman Spectroscopic Study.
Inorg. Chim Acta **130** (1987) 215-220.
35. M. Sandström and I. Persson, Structure and Solvation of Mercury(II) Iodide and Bromide in Tetrahydrothiophene Solution.
J. Chem. Soc, Dalton Trans. (1987) 2411-2415; doi: 10.1039/DT9870002411
36. I. Persson and F. Zintl, A Structural Study of 1-Butanethiolatomercury(II) Perchlorate, Pyridinium Tris(1-butanethiolato)mercurate(II) and Pyridium Tris(thiophenolato)mercury(II) in Pyridine Solution.
Inorg. Chim. Acta **129** (1987) 47-50.
37. A. Ericson and I. Persson, Structural Studies of Organometallic Compounds in Solution. I. Magnesium Iodide in Diethyl Ether and Tetrahydrofuran.
J. Organometal. Chem. **326** (1987) 151-158.
38. L. Bengtsson, B. Holmberg, Å. Iverfeldt and I. Persson, On the Structure of Hg_2I^{3+} in Dimethylsulfoxide and Aqueous Solution. An X-Ray Scattering and Raman Spectroscopic Study.
Inorg. Chim. Acta **146** (1988) 233-241.
39. I. Persson and B. Schneider, Thermodynamics of the Formation of some Mercury(II) Amine Complexes in Dimethylsulfoxide.
Inorg. Chim Acta **158** (1989) 245-248.

40. B. Beagley, A. Eriksson, J. Lindgren, I. Persson, L.G.M. Pettersson, M. Sandström, U. Wahlgren and E.W. White, A Computational and Experimental Study on the Jahn-Teller Effect in the Hydrated Copper(II) Ion. Comparisons with Hydrated Nickel(II) Ions in Aqueous Solution and Solid Tutton's Salts.
J. Phys.; Condens. Matter **1** (1989) 2395-2408; doi: 10.1088/0953-8984/1/13/012
41. S. Ahrland, K. Nilsson, I. Persson, A. Yuchi and J.E. Penner-Hahn, Gold(I) Halide and Thiocyanate Complexes in Pyridine and Acetonitrile, and the Structures of Gold(I) Solvates in These Solvents. A Thermodynamic and EXAFS Spectroscopic Study.
Inorg. Chem. **28** (1989) 1833-1838; doi: 10.1021/ic00309a016
42. M. Sandström, I. Persson and P. Persson, A Study of Solvent Electron-Pair Donor Ability and Lewis Basicity Scales.
Acta Chem. Scand. **44** (1990) 653-675; doi: 10.3891/acta.chem.scand.44-0653
43. I. Persson, K.C. Dash and Y. Kinjo, Equilibrium and Enthalpy Measurements on the Zinc Chloride, Bromide and Iodide Systems in Acetonitrile and Pyridine and on the Mercury(II) Chloride, Bromide and Iodide Systems in Acetonitrile.
Acta Chem. Scand. **44** (1990) 433-442; doi: 10.3891/acta.chem.scand.44-0443
44. S. Ahrland, Å. Dahlgren and I. Persson, Stabilities and Hydrolysis of Some Iron(III) and Manganese(III) Complexes with Chelating Ligands.
Acta Agric. Scand. **25** (1990) 101-111.
45. R. Åkesson, M. Sandström, C.I. Stålhandske, and I. Persson, Crystal and Molecular Structure at 298 and 183 K of Hexakis(pyridine)mercury(II) Trifluoromethylsulfonate, $[Hg(NC_5H_5)_6](CF_3SO_3)_2$, and Thermal Analyses of Hexapyridine Solvates of Mercury(II).
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