

LIST OF PAPERS PUBLISHED BY Prof. LUIGI SACCONI (1948-1979)

- 1) L. SACCONI. I. The method of double incomplete color change for the determination of the pK values of indicators. Gazz. Chim. Ital., 78, 192 (1948)
- 2) L. SACCONI. A specific reagent for magnesium. Gazz. Chim. Ital., 78, 219 (1948)
- 3) L. SACCONI. II. Indirect colorimetry. Gazz. Chim. Ital., 78, 303 (1948)
- 4) L. SACCONI. I. Inorganic chromatographic adsorption. Gazz. Chim. Ital., 78, 583 (1948)
- 5) L. SACCONI. Indirect Colorimetry. III. The calorimetric constants of (α -aminobenzol)-4-nitrophenylhydrazine and its 2-methyl derivative as acid-base indicators with double color change. Gazz. Chim. Ital., 78, 674 (1948)
- 6) L. SACCONI. Surface buffer action of alumina in inorganic chromatography. Nature, 164, 70 (1949)
- 7) L. SACCONI. Inorganic chromatographic adsorption. II. The buffer action of active alumina surfaces. Gazz. Chim. Ital., 79, 141 (1949)
- 8) L. SACCONI. Inorganic chromatographic adsorption. III. The influence of the ion hydration. Gazz. Chim. Ital., 79, 152 (1949)
- 9) N. CARRARA, P. LOMBARDINI, R. CINI, L. SACCONI. Molecular spectra Inversion spectra of ammonia. Nuovo Cimento, 6, 552 (1949)
- 10) L. SACCONI, R. ERCOLI. Some complexes of the rare earths with β -diketones. Gazz. Chim. Ital., 79, 731 (1949)
- 11) L. SACCONI. The mechanism of inorganic chromatographic adsorption on alumina. Discussion Faraday Soc., 7, 173 (1949)

- 12) L. SACCONI. Magnetic studies of some uranium(IV) complexes of coordination number eight. Atti Accad. Nazl. Lincei, Rend. Classe Sci. Fis. Mat. e Nat., 6, 639 (1949).
- 13) L. SACCONI. Indirect calorimetry. The determination of the apparent dissociation constants of manonitroquinol, 2,6-dinitroquinol and 3-alizarinsulfonic acid. J. Phys. and Colloid. Chem., 54, 829 (1950)
- 14) L. SACCONI. An indirect spectrophotometric method for the study of chemical equilibria. Atti Accad. Nazl. Lincei, Rend. Classe Sci. Fis. Mat. e Nat., 8, 376 (1950)
- 15) L. SACCONI, R. CINI. Hydrated molybdenum blue. J. Chem. Phys., 18, 1124 (1950)
- 16) L. SACCONI. Pyromecconates of some transition elements. Gazz. Chim. Ital., 80, 372 (1950)
- 17) L. SACCONI. Metal complexes of the nicotinic acid series. Ann. Chim., (Roma), 40, 386 (1950)
- 18) L. SACCONI. Chemical reactions of complexes. I. Action of hydrazides on nickel disalicylaldehyde. J. Am. Chem. Soc., 74, 4503 (1952)
- 19) L. SACCONI, R. CINI. The magnetic moments of the picolates of some transition elements. Ann. Chim., (Roma), 42, 723 (1952)
- 20) L. SACCONI, R. CINI. Molybdenum blue hydrate. Ann. Chim., (Roma), 42, 706 (1952).
- 21) L. SACCONI, G. CAROTI. Binuclear nickel-oxalhydrazimidino complexes Z. Anorg. Allgem. Chem., 271, 176 (1953)
- 22) L. SACCONI. Chemical Reactions leading to the formation of complexes. Hydrazide ammino complexes of nickel. Gazz. Chim. Ital., 83, 884 (1953)

- 23) L. SACCONI. Chemical reactions leading to the formation of complexes. Polymeric polynuclear nickel complexes with hydrazides of β -pyridine and γ -pyridinecarboxylic acids. Gazz. Chim. Ital., 83, 894 (1953)
- 24) L. SACCONI. Chemical reactions of complexes. V. Polynuclear nickel complexes with acylhydrazones of α and β -diketones. Z. Anorg. Allgem. Chem., 275, 249 (1953).
- 25) L. SACCONI. Acylhydrazones of o-hydroxy and o-aminoaldehydes and ketones as tridentate complexing agents. J. Am. Chem. Soc., 75, 5434 (1953)
- 26) L. SACCONI, G. GIANNONI. Coordinative power of uranyl. I. The preparation and properties of uranyl complexes of certain diketones J. Chem. Soc., 2368 (1954)
- 27) L. SACCONI, R. CINI. Magnetic evidence of monomer-dimer equilibrium(V) ions in hydrochloric solutions. J. Am. Chem. Soc., 76, 4239 (1954)
- 28) L. SACCONI, R. CINI. The magnetic susceptibility of the CH_2 group in aliphatic alcohols as measured with an apparatus of high precision. Atti Accad. Nazl. Lincei, Rend. Classe Sci. Fis. Mat. e Nat., 16, 237 (1954)
- 29) L. SACCONI. Chemical Reactions of Complexes. VI. Dinuclear Dihydrazide-nickel complexes. J. Chem. Soc., 1326 (1954)
- 30) R. CINI, L. SACCONI. An apparatus for the accurate measurement of magnetic susceptibility. J. Scient. Instr., 31, 56 (1954)
- 31) L. SACCONI. Chemical reaction of complexes. VII. Reaction of hydrazides and aromatic o-hydroxy and o-amino aldehydes and ketones with nickel acetate. J. Am. Chem. Soc., 76, 3400 (1954)
- 32) L. SACCONI, G. GIANNONI. The coordinative power of uranyl. II. Adsorption spectra of the complexes with β -diketones. J. Chem. Soc., 2751 (1954)

- 33) L. SACCONI, P. PAOLETTI and G. DEL RE. Studies in Coordination Chemistry. I. The Effect of Solvents on Some Bis-(N-alkyl-salicylalimine(II)) Complexes, J. Am. Chem. Soc., 79, 4062 (1957).
- 34) L. SACCONI, P. PAOLETTI and F. MAGGIO. Studies in Coordination Chemistry. II. Spectrophotometric Investigation of Some Hydrazidic Tetravalent Nickel(II) Complexes, J. Am. Chem. Soc., 79, 4067 (1957).
- 35) L. SACCONI, R. CINI and F. MAGGIO. The Magnetic Susceptibility of Molten State Nickel(II) Complex, J. Am. Chem. Soc., 79, 3933 (1957).
- 36) L. SACCONI, G. LOMBARDO and P. PAOLETTI. Studies in Coordination Chemistry. III. The Thermodynamic of Interaction between Heterocyclic Bases and (Diacethyl-Bisbenzoylhydrazone)nickel(II) in Benzene, J. Chem. Soc., 848 (1958).
- 37) L. SACCONI, P. PAOLETTI and R. CINI. Studies in Coordination Chemistry. IV. A Paramagnetic Form of Bis(N-methylsalicylalimine)-nickel(II) Complexes, J. Am. Chem. Soc., 80, 3583 (1958).
- 38) L. SACCONI, G. CAROTI and P. PAOLETTI. Investigation on the Co-ordinative Power of Uranyl. III. Infrared Spectra of Some Complexes with β -Diketones, J. Chem. Soc., 4257 (1958).
- 39) L. SACCONI, P. PAOLETTI and M. CIAMPOLINI, Un calorimetro elettrico non isoterma per la misura dei calori di reazione e di soluzione, Ricerca Sci., 29, 2412 (1959).

- 40) E. FRASSON, C. PANATTONI and L. SACCONI. Studies in Coordination Chemistry. V. Structure of the Diamagnetic Bis(N-methyl-salicylaldimine)nickel(II) Complexes, J. Phys. Chem., 63, 1908 (1959).
- 41) L. SACCONI. Termodinamica degli Equilibri di Complessi in Solventi inerti, Accademia Nazionale dei Lincei, Varenna, 23 settembre - 7 ottobre (1959).
- 42) L. SACCONI, I Complessi anomali del nichel(II), Accademia Nazionale dei Lincei, Varenna, 23 settembre - 7 ottobre (1959).
- 43) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Calori ed Entropie di reazione di ioni metallici di transizione con dietil-entriammina, Ricerca Sci., 30, 273 (1960).
- 44) L. SACCONI, M. CIAMPOLINI, F. MAGGIO and G. DEL RE. Studies in Coordination Chemistry. VI. The dielectric Polarization of Some Metal Chelates of N-Alkylsalicylaldimines, J. Am. Chem. Soc., 82, 815 (1960).
- 45) L. SACCONI and A. SABATINI. The "Irving-Williams" Order in the Metal Ligand Stretching Frequencies of Some Metal Hydrazine Complexes, Nature, 186, 549 (1960).
- 46) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Heats and Entropies of Reaction of Transition Metal Ions with Ethylenediamine, Nature, 186 (1960).
- 47) L. SACCONI, R. CINI, M. CIAMPOLINI and F. MAGGIO. Studies in Coordination Chemistry. VII. Recent Investigations on the Magnetically Anomalous Nickel(II) Complexes of N-alkyl-salicylaldimine, J. Am. Chem. Soc., 82, 3487 (1960).

- 48) L. SACCONI, P. PAOLETTI and M. CIAMPOLINI. Thermochemical Studies. I. Thermodynamic Functions of Solution of Pyridine Bases in Water, J. Am. Chem. Soc., 82, 3828 (1960).
- 49) L. SACCONI, P. PAOLETTI and M. CIAMPOLINI. Thermochemical Studies. II. Thermodynamic Quantities of Neutralization of Pyridine Bases in Water, J. Am. Chem. Soc., 82, 3831 (1960).
- 50) L. SACCONI, G. LOMBARDO and R. CIOFALO. Metal Complex Formation in Non-Hydroxylic Solvents. II. The Thermodynamics of the Equilibria between NiDBH and Primary Aliphatic Amines in Benzene, J. Am. Chem. Soc., 82, 4182 (1960).
- 51) L. SACCONI, G. LOMBARDO and P. PAOLETTI. Metal Complex Formation in Non-hydroxylic Solvents. III. The Thermodynamics of Interaction between Trialkylamines and Phosphines and NiDBH in Benzene, J. Am. Chem. Soc., 82, 4185 (1960).
- 52) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Thermochemical Studies. III. Heats and Entropies of Reaction of Transition Metal Ions with Ethylenediamine, J. Chem. Soc., 4553 (1960).
- 53) P. PAOLETTI, M. CIAMPOLINI and L. SACCONI. Calori ed Entropie di Reazione di Ioni metallici di transizione con 2,2',2"-triamminotrietilammina, Ricerca Sci., 30, 1791 (1960).
- 54) L. SACCONI. Relazione fra struttura molecolare e potere coordinante, Ricerca Sci., 30, 89 (1960).
- 55) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Calori ed Entropie di Reazione di Ioni metallici di transizione con tetrakis-(2-amminoetil)etilendiammina, Ricerca Sci., 30, 2148 (1960).

- 56) L. SACCONI and G. LOMBARDO. Metal Complex Formation in Non-hydroxylic Solvents. IV. Thermodynamics of the Interaction between Primary, Secondary and Tertiary Alkylamines and Diacetyl-Bisbenzoylhydrazino-nickel(II) in Benzene, J. Am. Chem. Soc., 82, 6266 (1960).
- 57) L. SACCONI, P. PAOLETTI and M. CIAMPOLINI, Calori ed Entropie di Reazione di Ioni metallici di transizione con trietilentetrammina, Ricerca Sci., 30, 1610 (1960).
- 58) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Thermochemical Studies. IV. Heats and Entropies of Reaction of Transition Metal Ions with Diethylenetriamine, J. Chem. Soc., 2924 (1961).
- 59) L. SACCONI, M. CIAMPOLINI, F. MAGGIO and V. CAVASINO. Studies in Coordination Chemistry. VIII, J. Inorg. Nucl. Chem., 19, 73 (1961).
- 60) L. SACCONI and P. PAOLETTI. The Co-ordinative Power of Uranyl. IV. The Heats of Solvation of the Bis-dibenzoyl-methanato)Uranyl Complex, J. Chem. Soc., 4250 (1961).
- 61) M. CIAMPOLINI, P. PAOLETTI and L. SACCONI. Heats and Entropies of Reaction of Transition Metal Ions with Polyamines, Adv. in the Chemistry of the Coord. Compound, Detroit (1961).
- 62) L. SACCONI, P. PAOLETTI and M. CIAMPOLINI. Thermochemical Studies. VI. Heats and Entropies of Reactions of Transition Metal Ions with Triethylenetetramine, J. Chem. Soc., 5115 (1961).
- 63) L. SACCONI, P. L. ORIOLI, P. PAOLETTI and M. CIAMPOLINI. The Existence of Tetrahedral Nickel(II) Chelates, Proc. Chem. Soc., 255 (1962).

- 64) L. SACCONI, M. CIAMPOLINI, F. MAGGIO, V. CAVASINO.
Studies in Coordination Chemistry. IX. Investigation of the Stereochemistry of Some Complex Compounds of Cobalt(II) with N-Substituted Salicylaldimines. J. Am. Chem. Soc., 84, 3246 (1962)
- 65) E. FRASSON, C. PANATTONI, L. SACCONI. Dati strutturali dei complessi di Ni(II), Cu(II) e Pd(II) con N-n-alcil-salicilaldimine. Ricerca Sci., 32(II-A), 649 (1962)
- 66) L. SACCONI, P. L. ORIOLI. Dati strutturali dei complessi del nichel, rame, cobalto, palladio e zinco con salicilaldimine α -ramificate. Ricerca Sci., 32(II-A), 645 (1962)
- 67) E. FRASSON, C. PANATTONI, L. SACCONI. Struttura delle bis-N-n-butyl-salicilaldimine del Pd, Cu e Ni. Gazz. Chim. Ital., 92, 1470 (1962)
- 68) L. SACCONI, P. PAOLETTI, M. CIAMPOLINI. The existence of Tetrahedral- α -branched Bis--(R-N-salicylaldimino)nickel(II) chelate. J. Am. Chem. Soc., 85, 411 (1963)
- 69) M. R. FOX, E. C. LINGAFELTER, L. SACCONI, P. L. ORIOLI. Tetrahedral Co-ordinate in Bis-N-isopropyl-salicylaldiminato Nickel(II). Nature, 197, 1104 (1963).
- 70) P. PAOLETTI, M. CIAMPOLINI, L. SACCONI. Thermochemical studies. VIII. Heats and Entropies of Reaction of Transition-Metal Ions with 2,2',2''-Triaminotriethyl-amine. J. Chem. Soc., 3589 (1963).
- 71) L. SACCONI, M. CIAMPOLINI. The Occurrence of Paramagnetic Tetrahedral Forms of N-Arylsalicylaldimino-nickel(II) Complexes in Solution at Elevated Temperature. J. Am. Chem. Soc.; 85, 1750 (1963)
- 72) L. SACCONI. Planar-Tetrahedral Isomerism of Bis-(N-n-Alkylsalicylideniminato)-nickel(II) Complexes in Pure Liquid Phases. J. Chem. Soc., 4608 (1963)