



Alberto Cassetta

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WORK EXPERIENCE

31 AUG 2001 – CURRENT – Trieste, Italy

RESEARCHER – ISTITUTO DI CRISTALLOGRAFIA - CONSIGLIO NAZIONALE DELLE RICERCHE

- Beamline Manager at X-ray diffraction beamline at Elettra, XRD1 (up to 2004).
- Beamline Scientist at XRD1.
- Applications of Synchrotron Radiation to X-ray crystallography
- Macromolecular crystallography of enzymatic and non-enzymatic systems.
- Structural Biology of Dystroglycanopathies

31 JAN 1998 – 29 AUG 2001 – Trieste, Italy

CONTRACT RESEARCHER – ISTITUTO DI STRUTTURISTICA CHIMICA "G. GIACOMELLO" -
CONSIGLIO NAZIONALE DELLE RICERCHE

- Beamline Scientist at X-ray diffraction beamline at Elettra synchrotron, XRD1.
- Applications of Synchrotron Radiation to crystallography.

15 DEC 1992 – 14 DEC 1997 – Trieste, Italy

CONTRACT RESEARCHER – ISTITUTO DI STRUTTURISTICA CHIMICA "G. GIACOMELLO" -
CONSIGLIO NAZIONALE DELLE RICERCHE

- Development of the X-ray diffraction beamline at the ELETTRA Synchrotron, XRD1
- Beamline scientist at the XRD1 beamline.
- Application of Synchrotron Radiation to Structural Chemistry
- Crystallographic studies in organometallic chemistry

30 SEP 1995 – 30 JUL 1996 – Manchester, United Kingdom

EUROPEAN COMMUNITY FELLOW AT THE CHEMISTRY DEPARTEMENT – UNIVERSITY OF
MANCHESTER

- MAD crystallographic analysis in macromolecular crystallography
- Time resolved experiments on hydroxymethylbilane synthase by means of Laue X-ray diffraction.
- Crystal perfection measurements by evaluation of rocking curves at X-ray synchrotron source (ESRF).
- Laue neutron crystallographic experiments on Concanavallin A.

14 SEP 1992 – 14 DEC 1992 – Trieste, Italy

COLLABORATOR AT THE SCIENTIFIC DIVISION – SINCROTRONE TRIESTE

- Development of the X-ray diffraction beamline experimental station at ELETTRA, XRD1

31 JAN 1992 – 30 JUL 1992 – Manchester, United Kingdom

VISITING RESEARCHER AT THE CHEMISTRY DEPARTMENT – UNIVERSITY OF MANCHESTER

- Applications of Laue crystallographic method to Macromolecular X-ray crystallography

31 AUG 1991 – 30 JAN 1992 – Trieste, Italy

COLLABORATOR AT THE SCIENTIFIC DIVISION – SINCROTRONE TRIESTE

- Setup of a new X-ray diffraction crystallographic laboratory
- Development of the X-ray diffraction beamline (XRD1) at Elettra synchrotron

26 AUG 1990 – 25 AUG 1991

MILITARY SERVICE

31 MAY 1990 – 30 JUL 1990 – Trieste, Italy

CONSULTANT AT THE SCIENTIFIC DIVISION – SINCROTRONE TRIESTE

- Feasibility study of the solution of the "phase problem" in X-ray diffraction experiments by means of "Multiple Bragg Scattering"

● **EDUCATION AND TRAINING**

APR 1990 – Roma, Italy

LAUREA DIPLOMA IN CHEMISTRY – Università degli Studi di Roma "La Sapienza"

Address Piazzale Aldo Moro 5, Roma, Italy | **Field of study** Crystallography |

Final grade 110/110 cum laude

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

My Digital Skills

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Familiarity with Linux Based Operating Systems | Programminig Languages: Python (Basics), MatLab (Basics) | Microsft Windows

● **TEACHING**

31 AUG 2019 – CURRENT

Contract Professor: "Tecniche di indagine biostrutturale con luce di sincrotrone"

24 hours course - Laurea Magistrale in Biotecnologie Mediche - Università degli Studi di Trieste

23 OCT 2000 – 25 OCT 2000

Tutor at "Workshop di Cristallografia Sperimentale"

Workshop at Elettra - Sincrotrone Trieste - Trieste, Italy

25 MAR 2005 – 28 MAR 2005

Tutor at XRD1 Diffraction Beamline - HERCULES

Higher European Research Course for Users of Large Experimental Systems" (HERCULES) - Trieste, Italy

● **CONFERENCES AND SEMINARS**

3 OCT 2021 – 5 OCT 2021 – Catania, Italy

CNR – Hard X-ray Diffraction activities at Elettra 2.0

First Conference on Crystallography, Structural Chemistry and Biosystems

27 OCT 2019 – 29 OCT 2019 – Bressanone (Bz) - Italy

Molecular and structural basis of dystroglycanopathies

Conferenza Di Dipartimento 2019 – DSTCM – CNR

30 JUN 2019 – 3 JUL 2019 – University of Rome "La Sapienza"; Roma - Italy

Synchrotron radiation as a tool for the investigations of the structural basis of primary dystroglycanopathies

XLVII National Meeting of the Chemical Physics Division – Società Chimica Italiana. Workshop on Synchrotron Radiation.

21 OCT 2018 – 25 OCT 2018 – Area della Ricerca CNR; Bologna - Italy

CNR at Elettra 2.0: X-ray diffraction

Materials.it 2018

10 MAY 2017 – Biological Research Centre - Hungarian Academy of Sciences, Szeged - Hungary

Protein Crystallography at Synchrotrons

24 NOV 2016 – Biological Research Centre - Hungarian Academy of Sciences, Szeged - Hungary

Structural studies of a fungal hydroxysteroid dehydrogenase

22 SEP 2016 – Biological Research Centre - Hungarian Academy of Sciences, Szeged - Hungary

Macromolecular Crystallography in the context of Structural Biology

8 SEP 2013 – 10 SEP 2013 – Porto - Portugal

Structural analysis of two distinct dihydroflavonol 4-reductases in Gerbera Hybrids

VII International Workshop on Anthocyanins

29 OCT 2008 – Univeristy of Nova Gorica, Ajdovscina - Slovenia

Macromolecular Crystallography

7 SEP 2003 – 10 SEP 2003 – University of Trieste, Trieste - Italy

X-ray sources and data diffraction from protein crystals

Advanced course: "from gene to drugs"

28 OCT 2001 – 30 OCT 2001 – Consiglio nazionale delle Ricerche, Area di Montelibretti, Roma - Italy

Application of Synchrotron Radiation in Structural Biology

Advanced course: "Synchrotron Radiation and new Methodologies"

23 SEP 1995 – 27 SEP 1995 – St. Chatrine College, Oxford - United Kingdom

The X-ray diffraction beamline at Elettra

CERC3 Workshop for Young Chemists - Molecular Dynamics

● **PUBLICATIONS**

Unveiling the binding mode of perfluorooctanoic acid to human serum albumin

Maso, L. et al, Protein Science (2021) 30, 830-841

2021

Maso, L., Trande, M., Liberi, S., Moro, G., Daems, E., Linciano, S., Sobott, F., Covaceuszach, S., **Cassetta, A.**, Fasolato, S., Moretto, L.M., De Wael, K., Cendron, L., Angelini, A. "Unveiling the binding mode of perfluorooctanoic acid to human serum albumin" (2021) *Prot Sci*, 30, 830-841.

Endogenous modulators of neurotrophin signaling: Landscape of the transient ATP-NGF interactions

Paoletti F. et al. *Comp. Struct. Biotech. J.*, 19, 2938-2949.

2021

Paoletti, F., Merzel, F., **Cassetta, A.**, Ogris, I., Covaceuszach, S., Grdadolnik, J., Lamba, D., Golič Grdadolnik, S. "Endogenous modulators of neurotrophin signaling: Landscape of the transient ATP-NGF interactions" (2021) *C omp. Struct. Biotech. J.*, 19, 2938-2949.

Covalent immobilization of delipidated human serum albumin on poly(pyrrole-2-carboxylic) acid film for the impedimetric detection of perfluorooctanoic acid

Moro G. et al.; *Bioelectrochemistry* (2020) 134, 107540
2020

G. Moro G., F. Bottari, S. Liberi, S. Covaceuszach, **A. Cassetta**, A. Angelini, K. De Wael, L. M. Moretto "Covalent immobilization of delipidated human serum albumin on poly(pyrrole-2-carboxylic) acid film for the impedimetric detection of perfluorooctanoic acid" *Bioelectrochemistry* (2020) 134, 107540

A novel water-resistant and thermally stable black lead halide perovskite, phenyl viologen lead iodide C₂₂H₁₈N₂(PbI₃)₂

Latini A. et al., " (2020) *Dalton Trans.*, 49, 2616-2627
2020

Latini, A., Quaranta, S., Menchini, F., Lisi, N., Di Girolamo, D., Tarquini, O., Colapietro, M., Barba, L., Demitri, N., **Cassetta, A.** "A novel water-resistant and thermally stable black lead halide perovskite, phenyl viologen lead iodide C₂₂H₁₈N₂(PbI₃)₂" (2020) *Dalton Trans.*, 49, 2616-2627.

Synthesis, physico-chemical characterization and structure of the elusive hydroxylammonium lead iodide perovskite NH₃OHPbI₃

D'Annibale, A et al., (2019) *Dalton Trans.*, 48 (16), 5397-5407.
2019

D'Annibale, A., Panetta, R., Tarquini, O., Colapietro, M., Quaranta, S., **Cassetta, A.**, Barba, L., Chita, G., Latini, A. "Synthesis, physico-chemical characterization and structure of the elusive hydroxylammonium lead iodide perovskite NH₃OHPbI₃" (2019) *Dalton Trans.*, 48 (16), 5397-5407.

Calibration of rotation axes for multi-axis goniometers in macromolecular crystallography

White, K. I., et al., (2018) *J. Appl. Cryst.*, 51, 1421-1427.
2019

White, K. I., Bugris, V., McCarthy, A.A., Ravelli, R.B.G., Csankó, K., **Cassetta, A.**, Brockhauser, S. "Calibration of rotation axes for multi-axis goniometers in macromolecular crystallography" (2018) *J. Appl. Cryst.*, **51**, 1421-1427.

Influence of substrate on molecular order for self-assembled adlayers of CoPc and FePc

Kumar, A., " (2018) *J. Raman Spectr.*, 49, 1015-1022.
2018

Kumar, A., Naumenko, D., Cozzarini, L., Barba, L., **Cassetta, A.**, Pedio, M. "Influence of substrate on molecular order for self-assembled adlayers of CoPc and FePc" (2018) *J. Raman Spectr.*, **49**, 1015-1022.

A dystroglycan mutation (p.Cys667Phe) associated to muscle-eye-brain disease with multicystic leucodystrophy results in ER-retention of the mutant protein

Signorino, G. et al (2018) *Human Mut.*, 39, 266-280
2018

Signorino, G., Covaceuszach, S., Bozzi, M., Hübner, W., Mönkemöller, V., Konarev, P.V., **Cassetta, A.**, Brancaccio, A., Sciandra, F. "A dystroglycan mutation (p.Cys667Phe) associated to muscle-eye-brain disease with multicystic leucodystrophy results in ER-retention of the mutant protein" (2018) *Human Mut.*, **39**, 266-280.

The effect of the pathological V72I, D109N and T190M missense mutations on the molecular structure of α-dystroglycan

Covaceuszach, S. et al (2017) *PLoS ONE*, 12, e0186110
2017

Covaceuszach, S., Bozzi, M., Bigotti, M.G., Sciandra, F., Konarev, P.V., Brancaccio, A., **Cassetta, A.** "The effect of the pathological V72I, D109N and T190M missense mutations on the molecular structure of α-dystroglycan" (2017) *PLoS ONE*, **12**, e0186110

Structural flexibility of human α -dystroglycan

Covaceuszach, S. et al (2017) FEBS Open Bio, 7, 1064-1077.

2017

Covaceuszach, S., Bozzi, M., Bigotti, M.G., Sciandra, F., Konarev, P.V., Brancaccio, A., **Cassetta, A.** "Structural flexibility of human α -dystroglycan" (2017) FEBS Open Bio, 7, 1064-1077.

Structural basis for inhibition of 17β -hydroxysteroid dehydrogenases by phytoestrogens: The case of fungal 17β -HSDcI

Cassetta, A. et al, (2017) J. Steroid Biochem. Mol. Bio., 171, 80-93.

2017

Cassetta, A., Stojan, J., Krastanova, I., Kristan, K., Brunskole Šveglj, M., Lamba, D., Lanišnik Rižner, T. "Structural basis for inhibition of 17β -hydroxysteroid dehydrogenases by phytoestrogens: The case of fungal 17β -HSDcI" (2017) J. Steroid Biochem. Mol. Bio., 171, 80-93.

The structure of the T190M mutant of murine α -dystroglycan at high resolution: Insight into the molecular basis of a primary dystroglycanopathy

Bozzi, M. et al (2015) PLoS ONE, 10, e0124277

2015

Bozzi, M., **Cassetta, A.**, Covaceuszach, S., Bigotti, M.G., Bannister, S., Hübner, W., Sciandra, F., Lamba, D., Brancaccio, A. "The structure of the T190M mutant of murine α -dystroglycan at high resolution: Insight into the molecular basis of a primary dystroglycanopathy" (2015) PLoS ONE, 10, e0124277, .

The conundrum of the high-affinity NGF binding site formation unveiled?

Covaceuszach, S. et al (2015) Biophys. J., 108, 687-697.

2015

Covaceuszach, S., Konarev, P.V., Cassetta, A., Paoletti, F., Svergun, D.I., Lamba, D., Cattaneo, A. "The conundrum of the high-affinity NGF binding site formation unveiled?" (2015) Biophys. J., 108, 687-697.

Status of the crystallography beamlines at Elettra

Lausi, A. et al (2015) Eur. Phys. J. Plus, 130, 43, 8

2014

Lausi, A., Polentarutti, M., Onesti, S., Plaisier, J.R., Busetto, E., Bais, G., Barba, L., **Cassetta, A.**, Campi, G., Lamba, D., Pifferi, A., Mande, S.C., Sarma, D.D., Sharma, S.M., Paolucci, G. "Status of the crystallography beamlines at Elettra" (2015) Eur. Phys. J. Plus, 130, 43, 8

Insights into subtle conformational differences in the substrate-binding loop of fungal 17β beta-hydroxysteroid dehydrogenase: a combined structural and kinetic approach

Cassetta, A. et al (2012) Biochem. J. 441, 151-160

2012

Cassetta, A., Krastanova, I., Kristan, K., Brunskole Šveglj, M., Lamba, D., Lanišnik Rižner, T., Stojan, J. "Insights into subtle conformational differences in the substrate-binding loop of fungal 17β -hydroxysteroid dehydrogenase: a combined structural and kinetic approach" (2012) Biochem. J., 441, 151-160

Dissecting NGF Interactions with TrkA and p75 Receptors by Structural and Functional Studies of an Anti-NGF Neutralizing Antibody

Covaceuszach S. et al., J. Mol Biol. (2008) 381, 881-896

2008

Covaceuszach, S., **Cassetta, A.**, Konarev, P. V., Gonfloni, S., Rudolph, R., Svergun, D. I., Lamba, D., Cattaneo A. "Dissecting NGF Interactions with TrkA and p75 Receptors by Structural and Functional Studies of an Anti-NGF Neutralizing Antibody" J. Mol. Biol. (2008) 381, 881-896

(3R,5S)-5(3)-Carboxy-3,4,5,6-tetrahydro-2H-1,4-thiazin-4-ium-3(5)-carboxylate

Portalone G. et al. Acta Cryst. (2008) E64, o636
2008

Portalone, G.; **Cassetta, A.**; Colapietro, M.; Plattner, S. H. "(3R,5S)-5(3)-Carboxy-3,4,5,6-tetrahydro-2H-1,4-thiazin-4-ium-3(5)-carboxylate" Acta Cryst. (2008) E64, o636

Preparation of Enzyme Crystals with Tunable Morphology in Membrane Crystallizers

Di Profio, G. et al., Ind. Eng. Chem. Res. (2005) 44, 10005
2005

Di Profio, G.; Perrone, G.; Curcio, E.; **Cassetta, A.**; Lamba, D.; Drioli, E. "Preparation of Enzyme Crystals with Tunable Morphology in Membrane Crystallizers" Ind. Eng. Chem. Res. (2005) 44, 10005

Crystallization, X-ray diffraction analysis and phasing of 17 β -hydroxysteroid dehydrogenase from the fungus Cochliobolus lunatus

Cassetta, A., et al. Acta Cryst. (2005), F61, 1032
2005

Cassetta, A.; Budefeld, T.; Rizner, T. L.; Kristan, K.; Stojan, J.; Lamba, D. "Crystallization, X-ray diffraction analysis and phasing of 17 β -hydroxysteroid dehydrogenase from the fungus Cochliobolus lunatus" Acta Cryst. (2005), F61, 1032

Structure of S35C flavodoxin mutant from Desulfovibrio vulgaris in the semiquinone state

Artali R. et al. Acta Cryst. (2005) D61, 481
2005

Artali, R.; Marchini, N.; Meneghetti, F.; Cavazzini, D.; **Cassetta, A.**; Sassone, C. "Structure of S35C flavodoxin mutant from Desulfovibrio vulgaris in the semiquinone state" Acta Cryst. (2005) D61, 481

Membrane crystallization of lysozyme under forced solution flow

Curcio E., et al. J. Membr. Sci. (2005), 257, 134
2005

Curcio, E.; Simone, S.; Di Profio, G.; Drioli, E.; **Cassetta, A.**; Lamba, D. "Membrane crystallization of lysozyme under forced solution flow" J. Membr. Sci. (2005), 257, 134

Effect of Temperature and X-Ray Illumination on the Oxygen Ordering in La₂CuO_{4.1} Superconductor

Campi G. et al. J. Supercond. (2004) 17, 137
2004

Campi, G.; Dell'omo, C.; Di Castro, D.; Agrestini, S.; Filippi, M.; Bianconi, G.; Barba, L.; **Cassetta, A.**; Colapietro, M.; Saini, N. L.; Bianconi, A. "Effect of Temperature and X-Ray Illumination on the Oxygen Ordering in La₂CuO_{4.1} Superconductor" J. Supercond. (2004) 17, 137

Purification, crystallization, X-ray diffraction analysis and phasing of a Fab fragment of monoclonal neuroantibody D11 against nerve growth factor

Covaceuszach, S et al Acta Cryst. (2004) D60, 1323
2004

Covaceuszach, S.; **Cassetta, A.**; Cattaneo, A.; Lamba, D. "Purification, crystallization, X-ray diffraction analysis and phasing of a Fab fragment of monoclonal neuroantibody D11 against nerve growth factor" Acta Cryst. (2004) D60, 1323

Membrane crystallization of lysozyme:kinetic aspects

Di Profio, G. et al. J Cryst. Growth (2003) 257, 359
2003

Di Profio, G.; Curcio, E.; **Cassetta, A.**; Lamba, D.; Drioli, E. "Membranecrystallization of lysozyme:kinetic aspects" J Cryst. Growth (2003) 257, 359

"High-pressure X-ray diffractionstudy on α -PbF₂

Ehm, L. et al J. Phys. Chem. Solids (2003) 64, 919
2003

Ehm, L.; Knorr, K.; Madler, F.; Voigtlander, H.; Busetto, E.; **Cassetta, A.**; Lausi, A.; Winkler, B. "High-pressure X-ray diffractionstudy on α -PbF₂" J. Phys. Chem. Solids (2003) 64, 919

The scaling ofthe critical temperature with the Fermi temperature in diborides

Bianconi, A. et al. Phys. Rev. (2002) B65, 174515
2002

Bianconi, A.; Agrestini, S.; Di Castro, D.; Campi, G.; Zangari, G.; Saini, N. L.; Saccone, A.; De Negri, S.; Giovannini, M.; Profeta, G.; Continenza, A.; Satta, G.; Massidda, S.; **Cassetta, A.**; Pifferi, A.; Colapietro, M. "The scaling ofthe critical temperature with the Fermi temperature in diborides" Phys. Rev. (2002) B65, 174515

The amplification of the superconducting T_c by combined effect of tuning of the Fermi level and the tensile micro-strain in Al_{1-x}Mg_xB₂

Di Castro, D. et al. Europhys. Lett. (2002) 58, 278
2002

Di Castro, D.; Agrestini, S.; Campi, G.; **Cassetta, A.**; Colapietro, M.; Congeduti, A.; Continenza, A.; De Negri, S.; Giovannini, M.; Massidda, S.; Nardone, M.; Pifferi, A.; Postorino, P.; Profeta, G.; Saccone, A.; Saini, N. L.; Satta, G.; Bianconi, A. "Theamplification of the superconducting T_c by combined effect of tuning of theFermi level and the tensile micro-strain in Al_{1-x}Mg_xB₂" Europhys. Lett. (2002) 58, 278

"Indole[1,2-c]quinazolines by Palladium-Catalyzed Cyclization of Bis(o-trifluoroacetamidophenyl) acetylenewith Aryl and Vinyl Halides or Triflates

Arcadi, A. et al. Synlett (2001) 1605
2001

Arcadi, A.; Cacchi, S.; **Cassetta, A.**; Fabrizi, G.; Parisi, L. M. "Indole[1,2-c]quinazolines byPalladium-Catalyzed Cyclization of Bis(o-trifluoroacetamidophenyl) acetylenewith Aryl and Vinyl Halides or Triflates" Synlett (2001) 1605

Development ofinstrumentation and methods for MAD and structural genomics at the SRS, ESRF,CHESS and ELETTRA facilities

1999

Cassetta,A. Deacon, S. Ealick, J. R. Helliwell, A. Thompson J. "Development ofinstrumentation and methods for MAD and structural genomics at the SRS, ESRF,CHESS and ELETTRA facilities" Synchrotron Rad. (1999), 6, 822

Synthesis and Structural Investigations of Novel Palladium (II) and Rhodium(I) Complexes, Containing Chiral Ligands with Stereogenic Sulfur Donor, like β -Amino Sulfoxides and C₂ Symmetricbis-Sulfoxides

1999

C. Pettinari,M. Pellei, G. Cavicchio, M. Crucianelli, W. Panzeri, M. Colapietro, A. Cassetta"Synthesis and Structural Investigations of Novel Palladium (II) and Rhodium(I) Complexes, Containing Chiral Ligands with Stereogenic Sulfur Donor, like β -Amino Sulfoxides and C₂ Symmetricbis-Sulfoxides" Organometallics (1999) 18, 555

Determination of the structure of selenomethionine-labelled hydroxymethylbilane synthase in its active form by multi-wavelength anomalous dispersion

1999

A. Hädener, P. K. Matzinger, A. R. Battersby, S. M. McSweeney, A. W. Thompson, A. P. Hammersley, S. J. Harrop, A. Cassetta, W. N. Hunter, Y. P. Nieh, J. R. Helliwell "Determination of the structure of selenomethionine-labelled hydroxymethylbilane synthase in its active form by multi-wavelength anomalous dispersion" *Acta Cryst.* (1999) D55, 631

Crystallization and preliminary X-Ray study of chloroplast Glyceraldehyde-3-Phosphate Dehydrogenase

1999

P. Sabatino, S. Fermani, A. Ripamonti, A. Cassetta, S. Scagliarini, P. Trost "Crystallization and preliminary X-Ray study of chloroplast Glyceraldehyde-3-Phosphate Dehydrogenase" *Acta Cryst.* (1999) D55, 56

(1-phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I) complexes, synthesis, structural and spectroscopical characterization- reactivity of diolefin - and dicarbonyl-rhodium complexes toward N-, P-, and O-donors

1998

C. Pettinari, F. Accorroni, A. Cingolani, F. Marchetti, A. Marchetti, A. Cassetta, L. Barba "(1-phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I) complexes, synthesis, structural and spectroscopical characterization- reactivity of diolefin - and dicarbonyl-rhodium complexes toward N-, P-, and O-donors" *J. Organometal. Chem.* (1998) 566, 187

Time-Resolved structure of Hydroxymethylbilane Synthase (lys59gln mutant) as it is loaded with substrate in the crystal determined by Laue diffraction

1998

J. R. Helliwell, Y.-P. Nieh, J. Raftery, A. Cassetta, J. Habash, P. D. Carr, T. Ursby, M. Wulff, A. W. Thompson, A. C. Niemann, A. Hädener "Time-Resolved structure of Hydroxymethylbilane Synthase (lys59gln mutant) as it is loaded with substrate in the crystal determined by Laue diffraction" *J. Chem. Soc. Faraday Trans.* (1998) 94, 2615

Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands. III. 1-methylimidazole derivatives: synthesis, spectroscopic and structural characterization

1998

C. Pettinari, M. Pellei, M. Miliani, A. Cingolani, A. Cassetta, L. Barba, A. Pifferi, E. Rivarola "Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands. III. 1-methylimidazole derivatives: synthesis, spectroscopic and structural characterization" *J. Organometal. Chem.* (1998) 553, 345

Neutron Laue diffraction study of concanavalin A - The proton of Asp28

1997

J. Habash, J. Raftery, S. Weisgerber, A. Cassetta, M. S. Lehmann, P. Hoghoj, C. Wilkinson, J. W. Campbell, J. R. Helliwell "Neutron Laue diffraction study of concanavalin A - The proton of Asp28" *J. Chem. Soc. Faraday Trans.* (1997) 93, 4313

Partial Improvement of Crystal Quality for Microgravity-Grown Apocrustacyanin C1

1997

E. H. Snell, A. Cassetta, J. R. Helliwell, T. J. Boggan, N. E. Chayen, E. Weckert, K. Hölzer, K. Schroer, E. J. Gordon, P. F. Zagalsky "Partial Improvement of Crystal Quality for Microgravity-Grown Apocrustacyanin C1" *Acta Cryst.* (1997), D53, 231

Trends and Challenges in Experimental Macromolecular Crystallography

1996

N. E. Chayen, T. J. Boggon, A. Cassetta, A. Deacon, T. Gleichmann, J. Habash, S. J. Harrop, J. R. Helliwell, Y. P. Nieh, M. R. Peterson, J. Raftery, E. H. Snell, A. Hädener, A. C. Niemann, D. P. Siddons, V. Stojanoff, A. W. Thompson, T. Ursby, M. Wulff "Trends and Challenges in Experimental Macromolecular Crystallography" Q. Rev. Biophys. (1996) 29, 227

Triorganotin (IV) derivatives of several 4-acyl-5-pyrazolonato ligands: synthesis, spectroscopic characterization and behavior in solution. Crystal structure of a trimethyl(4-p-methoxybenzoyl-1-phenyl-3-methyl-pyrazolon-5-ato)tin(IV)

1996

F. Marchetti, C. Pettinari, A. Cingolani, G. C. Lobbia, A. Cassetta, L. Barba "Triorganotin (IV) derivatives of several 4-acyl-5-pyrazolonato ligands: synthesis, spectroscopic characterization and behavior in solution. Crystal structure of a trimethyl(4-p-methoxybenzoyl-1-phenyl-3-methyl-pyrazolon-5-ato)tin(IV)" J. Organometal. Chem. (1996) 517, 141-154

Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands. II 4-Phenylimidazole derivatives. Crystal and molecular structure of [bis(4-phenylimidazole)trimethyltin(IV)]chloride

1996

C. Pettinari, F. Marchetti, M. Pellei, A. Cingolani, L. Barba, A. Cassetta "Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands. II 4-Phenylimidazole derivatives. Crystal and molecular structure of [bis(4-phenylimidazole)trimethyltin(IV)]chloride" J. Organometal. Chem. (1996) 515, 119

Anomalous Dispersion Analyses of the Ni-Atom Site in an Aluminophosphate test Crystal Including the Use of Tuned Synchrotron Radiation

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