

**POSTER LIST**

**Poster Section 1 (MONDAY 11/08)**

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
1 (OP8)	Sinking the Titanic (Ion): Spectroscopic, Computational, and Reactivity Studies of Low Oxidation State Titanium Coordination Complexes	Joshua Telser, Skye Fortier, Gayan B. Wijeratne, Eva M. Zolnhofer, Timothy A. Jackson, Daniel J. Mindiola, Karsten Meyer, J. Krzystek, Andrew Ozarowski
2	Secondary coordination sphere effects in ruthenium(III) tetraammine complexes: Role of the coordinated water molecule	Souza ML, Castellano EE, Telser J, Franco DW
3	Cyclohexane oxidation by PhI(OAc) <sub>2</sub> in the presence of second- and third-generation manganese porphyrins: water effect	Vinicius Santos da Silva, Ynara Marina Idemori, Gilson DeFreitas-Silva
4	Cyclohexane oxidation by PhIO catalyzed by second- and third-generation manganese tetrapyrrolylporphyrins	Querino, G.R., Guimarões, A. S., Meireles, A. M., Idemori, Y. M., DeFreitas-Silva, G.
5	Optical and morphological properties of Gd <sub>2</sub> O <sub>3</sub> nanorods	de Moura, A.P., Tavares, F.A., de Oliveira, L.H., Rosa, I.L.V., Li, M.S., Longo, E., Varela, J.A.
6	Photoluminescence Process of CaZn <sub>2</sub> (OH) <sub>6</sub> .2H <sub>2</sub> O Crystals	XAVIER, C. S., MOURA, A. P. de, LI, M. S., LONGO, E., VARELA, J. A., ZAGHETE, M. A.
7	The effect of chain size on the modeling of second sphere effects in biomimetic complexes	de Souza, B., Heying, R., Bortoluzzi, A. J., Domingos, J. B., Neves, A.
8	Second coordination sphere effects in oxidase-like activity of a new copper(II) binuclear complex containing a pyrene moiety	MELLER, S.L., SILVA, M.P., MIRESKI, S.L., BORTOLUZZI, A.J., NEVES, A.
9	Synthesis, structure, and anticancer activity of a Ga(III)/Cu(II) heterodinuclear complex with new unsymmetrical ligand	Adailton J. Bortoluzzi, Alexandra de S. Fonseca, Icaro A. Rodrigues, Fabiola F. Monteiro, Tânia B. Crezyski-Pasa
10	A New FeZn Complex Based on Pyrene Containing Ligand and Its Phosphatase-like activity and DNA Cleavage	Camargo, T. P., Bortolotto, T., Norbetro, D. R., Terenzi, H., Neves, A.
11	Rhenium and Technetium Complexes of Various Dicarboxylbis(thioureas)	Janine Ackermann, Thomaz A. Wioppiold, Adelheid Hagenbach, Ernesto S. Lang, Ulrich Abram
12	A new HgSeR building block: Synthesis and structural analysis of "HgX <sub>2</sub> (SeC <sub>6</sub> H <sub>4</sub> NH <sub>2</sub> )PCy <sub>3</sub> " (X = Cl, Br and I)	Bublitz, F., Lang, E. S., Durigon, D. C.
13	Synthesis and structural characterization of dinuclear palladium chalcogenolate compounds	Cechin, C.N., Tirloni, B., Lang, E. S.

Poster Number	Title	Author(s)
14	In(EPh) <sub>3</sub> (E = S, Se) as starting material to obtain new In-E-Cu ternary clusters	Mello, M. de A., Sossmeier, T. R., Lang, E. S.
15	Synthesis of metal compounds containing bis(2-pyridyl)diselenoethers as ligands	Cargnelutti, R., Silva, F. D., Lang, E. S., Abram, U., Hagenbach, A.
16	Spacer group effect on aroylbisthioureate Lead (II) complexes	Wioppiold, T. A., Delgado, C. P., Hagenbach, A., Abram, U., Lang, E. S.
17	Crystal Structure of (Ph <sub>3</sub> Te) <sub>2</sub> {[Py*TeI <sub>2</sub> ]-I}: a new complex from a series of bis(4-pyridyl)ditelluride derivatives	dos Santos, S. S., Cabral, B. N., Abram, U., Lang, E. S.
18	Bioactivities, albumin and DNA binding of Co(III) complexes with thiosemicarbazones	Camila V. Garcia, Mariana N. Nascimento, Gabrieli L. Parrilha, Bernardo L. Rodrigues, Heloisa Beraldo, Elaine M. S. Fagundes, Lucas B. Marques, Pedro H. Prazeres, Ludmilla L. Calado
19	Novel In(III) complexes with 2-acetylpyridine-derived thiosemicarbazones: antimicrobial activity and investigation on the mode of action	Alexandre A. Oliveira, Luana E. Rodrigues, Jeferson G. da Silva, Isabella P. Ferreira, Jacqueline A. Takahashi, Heloisa de O. Beraldo
20	ROS-mediated cytotoxic effect of copper(II) hydrazone complexes against human glioma cells	Angel A. Recio Despaigne, Jeferson G. Da Silva, Pryscila R. da Costa, Raquel G. dos Santos, Heloisa Beraldo
21	Heterospin 2p-3d-4f Complexes: Synthesis, Crystal Structure and Magnetic Properties	Escobar, L.B.L., Guedes, G.P., Soriano, S., Jordão, A.K., Cunha, A.C., Ferreira, V.F., Speziali, N.L., Maxim, C., Novak, M.A., Andruh, M., Vaz, M.G.F.
22	Two new heptanuclear dicubane compounds containing nickel(II) ions with slow relaxation of the magnetization	Guilherme P. Guedes, Stéphane Soriano, Nadia M. Comerlato, Miguel A. Novak, Maria G.F. Vaz
23	Synthesis, crystal structures and magnetic behaviour of four coordination compounds assembled by using a new TEMPO derivative radical and [M(hfac) <sub>2</sub> ] (M = CuII, CoII and MnII) building blocks	Reis, S. G., Águila-Sanchez, M. A., Guedes, G. P., Ferreira, G. B., Novak, M. A., Speziali, N. L., Lopez-Ortiz, F., Vaz, M. G. F.
24	Unprecedented Cu <sub>6</sub> cluster containing diphenylphosphinate and hexafluoroacetilacetate bridging ligands	S. Calancea, Reis, S. G., Águila-Sánchez M. A., Guedes, G. P., Novak M. A., López-Ortiz F., Vaz, M. G. F.
25 (OP11)	MAGNETIC SWITCHING OF Co-NIT SINGLE CHAIN MAGNETS	Miguel A. Novak, Maria G.F.Vaz, Rafael A. A. Cassaro, Paulo M. Lahti
26	A Bimetallic Rhenium-Dysprosium Chain: Synthesis, Structure and Magnetic Properties	R. González, C. Pejo, G. Pereira, N. Speziali, M. Novak, M. Julve, F. Lloret, M. Vaz

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
27	Borohydride Reduction of $[\text{NiCl}_4]^{2-}$	Rosa C. D. Peres, Leandro S. Abreu, Roberto S. Amado, Francisco M. S. Garrido, Marta E. Medeiros, Emerson S. Ribeiro
28	A different approach on the $[\text{Fe}_3\text{Cr}(\text{LEt})_2(\text{dpm})_6]$ synthetic procedure	VALENÇA, B.A., WESTRUP, Kátia Cristina Molgero, RÜDIGER, André Luis, Hughes, D., NUNES, GIOVANA G., SOARES, J.F.
29	Synthesis, spectroscopic characterization and study of thermochromic properties of vanadium(IV) alkoxides	KRUPCZAK, C., STINGHEN, D., Giovana G. Nunes, SOARES, J.F.
30	Castor oil epoxidation promoted by mixed-valence vanadates	Chaves, M. C., Franco, M. P., Nepel, A., Rüdiger, A. L., Barison, A., Nunes, G. G., Soares, J. F.
31	Synthesis, spectroscopic and magnetic studies of vanadium(IV) alkoxides containing bulky ligands	Stinghen, D., Ribeiro, R.R., Hughes, D.L., Nunes, G.G., Soares, J.F.
32	Nanocomposites of low density polyethylene containing green organophilic $\text{Ni}^{2+}/\text{Al}^{3+}$ Layered Doubles Hydroxides	Silvia Jaeger, Fernando Wypych
33	Mechanochemical amorphization of talc and montmorillonite: potential matrices for slow release fertilizers	BORGES, R., Wypych, F.
34	Layered hydroxide salts intercalated with anionic surfactants adsolubilized with organic ultraviolet absorbers.	Ana Cristina Trindade Cursino, Wypych, F.
35	High crystalline halloysite as support for copper porphyrin immobilization and use in organic dye bleaching reaction	Machado, G.S., Wypych, F., Nakagaki, S.
36	Molecular magnets built into a lamellar matrix: synthesis, structure and magnetic properties	Lucas H. G. Kalinke, Naiara Raica Lopes, Danielle Cangussu, Francesc Lloret
37	Synthesis, structural and magnetic characterization of Cu(II) complexes with bis-oxamate ligands	Ramon S. Vilela, Tamires Soares, Danielle Cangussu, Felipe T. Martins, Miguel Julve, Francesc Lloret
38	Evaluation of Cr (III) and (VI) in soil before and after phytoremediation	Valquiria, Raquel, Mayara, Isaac, Mirian
39	"Directing the Reactivity of Manganese(I) Tricarbonyl Complexes Toward $\text{CO}_2$ Reduction by Understanding Photochemical, Electrochemical and Spectroelectrochemical Studies"	Mariana, Rose
40	Synthesis and XRD characterization of Cu(II) and Zn(II) homodinuclear complexes derived from a new symmetric bis(triazol) compartmental ligand	Freitas, M. C. R., Macchi, P., Rey, N. A., Resende, J. A. L. C.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
41	A novel sulfonate-containing azo compound and the crystal structure of its copper(II) complex: potential antibiotic and/or antitumoral agents	Assis, C.M.I, Freitas, A.L.S., Rocco, M.R.M., Braga,W., Resende, J.A.L.C, Rey, N.A.
42	Acute toxicity assessment of a promising metal-protein attenuating compound for the treatment of neurodegenerative diseases	Cukierman, D.S., Victorino, J.A., Freitas, L.V., Rocha, R.C.C., Maisonette, S.S., Landeira-Fernandez, J., Saint'Pierre, T.D., Hauser-Davis, R.A., Rey, N.A.
43	Synthesis, characterization and acute toxicity studies on a novel potential MPAC containing an antioxidant moiety	Oliveira, C.A., Pinheiro, A.B., Castiñeiras-Filho, S.L.P., Rocha, R.C.C., Maisonette, S.S., Landeira-Fernandez, J., Saint'Pierre, T.D., Hauser-Davis, R.A., Rey, N.A.
44	Coordination topology of large compartmental ligands – bis(chlorido) bridges generate 1D chains in the dinuclear copper(II) complex of a novel poly-phenol/pyridine-containing ethylenediimine derivative	Aline C. de M. Reis, Jackson A. L. C. Resende, Nicolás A. Rey
45	Synthesis, XRD, magnetic measurement and low temperature phase transition proof by DSC of a tetranuclear Cu(II) triazole complex	Freitas, M. C. R., Braga, W. B. S., Macchi, P., Nicolás A. Rey, Krämer, K., Fiolka, C., Resende, J. A. L. C.
46	Synthesis and characterization of a new vanadium(IV) coordination compound	V. M. de Assis, E. S. Bull, M. R. Rocha, W. R. Freitas, C. Fernandes, A. Horn
47	Synthesis, Characterization and Catalytic Performance of a new Iron Catalyst Grafted on NaY and MCM-41 supports for hydrocarbons Oxidation	Paula M. A. Machado, Christiane Fernandes, Alexandre M. Stumbo, Rosane A. S. San Gil, Adolfo Horn Jr.
48	Synthesis, characterization and anti-toxoplasmosis activity of iron(III) coordination compounds	Nathalia Florencia, Christiane Fernandes, Adolfo Horn, Juliana Portes, Sérgio Seabra
49	Synthesis, characterization and anti-toxoplasma activity of new zinc(II) complex	Batista, L. C., FERNANDES, C., HORN Jr., A., SOUZA, F. S. de., DaMATTA, R. A., PORTES, J. A., SEABRA, S. H.
50	Absorption and emission spectral studies of the interaction of copper(II) complexes with plasmid DNA	Érika S. Bull, Vagner M. de Assis, Christiane Fernandes, Adolfo Horn Jr, William R. Freitas, Milton M. Kanashiro
51	Synthesis and Catalytic Avaliation of a New Iron Catalyst Supported in Silica Towards Cyclohexane and Cyclohexane Oxidation	Ferreira S. S., Fernandes C., Stumbo A., San Gil R. A. S., Horn Jr. A.
52	Antitumoral activities of copper(II) complexes containing phthaloyl groups	Adolfo Horn Jr., Rafaela A. Moreira, Christiane Fernandes, Camila R. O. Nunes, Erika Bull, Franz V. Borges, Milton M. Kanashiro

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
53	Synthesis, characterization and antitumoral activity against six tumoral cell lines of a new cobalt(III) complex	Christiane Fernandes, Samila R. Morcelli, Rafaela A. Moreira, Wagner S. Terra, Erika Bull, Franz V. Borges, Adolfo Horn Jr., Milton M. Kanashiro
54	Antitumor activity of cobalt(III), copper(II) and nickel(II) coordination compounds containing the ligand 1,4-bis(propanamide)piperazine	Terra, W. S., Bull, E. S., Mendes, L. L., Morcelli, S. R., Moreira, R. O., Kanashiro, M. M., Fernandes, C., Horn, A. J.
55	Complexes of platinum and palladium with $\beta$ -diketones and DMSO: Synthesis, characterization, molecular modeling and biological studies.	ALMEIDA, J.C., MARZANO, I.M., DE PAULA, F.C.S., PIVATTO, M., DE SOUZA, P.C., PAVAN, F.R., FORMIGA, A.L.B., MAIA, E.C.P., GUERRA, W.
56	Synthesis, characterization, and cytotoxic activity of new platinum(II) complexes	Rodrigues, M. A., Guerra, W., Pereira-Maia, E. C., Fontes, A. P. S., Pivatto, M., Marzano, I. M.
57	Copper(II) complexes with $\beta$ -diketones and N-donor heterocyclic ligands: Crystal structure, spectral properties and cytotoxic activity	Paixao, D.A., Almeida, J.C, Marzano, I.M., Ellena, J.A., Ferreira, A.M.D.C., Pereira-Maia, E.C., Guilardi, S., Guerra, W.
58	Bismuth Complexes With [NN'O] Ligands Induce Apoptosis In K562 Cells	I. M. Marzano, Lizarazo-Jaimes E. H., Gomes, D. A., D. Tomco, R. J. Staples, C. N. Verani, E. C. Pereira-Maia
59	Synthesis of CdS quantum dots by laser ablation in liquid environment	Mendonça, L. T. B., W. M. de Azevedo, S. L. Campello
60 (OP2)	Laser ablation technique a straightforward technique for Metal organic frameworks preparation	S. Campello, G. Gentil, S.A. Júnior, W. M. DE AZEVEDO
61	Antileishmanial activity of ruthenium(II) complexes containing diphosphines	Garbin Sobrinho, L. L., Figueira, Márcia M. N. R., Yoneyama, K. A. G., Von Poelhsitz, G.
62	Novel gold(I) complex with adamantane	Garcia A., Correa C. C., de Almeida M. V., Silva H.
63	Synthesis, characterization and crystals structure of novel Coordination Polymer involving metallic cobalt and carboxylate and nitrogen ligands	Flores, L. S., ROSA, R. I. F., De Carvalho, G. S. C., Diniz. R., CORREA, C. C.
64	Synthesis, Characterization and Crystal Structure of a novel 1D coordination polymer {[Cu(glu)(DMF)] <sub>n</sub> .	Stanley Alcântara, Charlane Corrêa, Leonã Flores, Guilherme Guimarães
65	Gold nanoparticles supported on basic ferrites/oxides materials for the selective oxidation of alcohols	Moura, E. M., Garcia, M. A. S., Rossi, L. M.
66	Gold(I) complexes with 2-mercaptothiazolone – antitumor activity and the trans influence of cyanide and phosphine groups on the ligand exchange.	Abbehausen C, Perterson EJ, Machado D, Lancellotti M, de Paiva REF, Corbi PP, Farrell NP

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
67 (OP4)	Platinum(II)-nimesulide: anticancer evaluation, mechanistic insights and metabolomics in NG97 cell line	de Paiva, Raphael E. F., Hollanda, Luciana M., Abbehausen, Camilla, Ferreira, Mônica S., Lancellotti, Marcelo, Catharino, Rodrigo R., Corbi, Pedro P.
68	A bis(pyrrrolyl-imine) gold(III) Schiff base complex: cytotoxic activities and DNA binding	Profirio, D. M., de Paiva, R. E. F., Abbehausen, C., Machado, D., Lancellotti, M., Corbi, P. P., Formiga, A. L. B.
69	Effect of anatase and rutile distribution on the efficiency of dye-sensitized solar cells	Robson Raphael Guimarães, André Parussulo, Henrique Toma, Koiti Araki
70	Water oxidation by dinuclear ruthenium polypyridine complexes	T. A. Matias, K. Araki
71	Synthesis of Anisotropic Gold Nanoparticles in Ionic Micelles: the Counterion Effect	Grasseschi, D, Lima, F. S., Araki, K., Toma, H. E.
72	MRI contrast agent based on post-functionalization of magnetic nanoparticles with biomolecules	Cardoso, Roberta Mansini, Toma, Sergio Hiroshi, Araki, Koiti
73	Metalloamphiphiles with Fe(III) and Mn(III) headgroups: Synthesis, crystal structures, electronic properties, and Langmuir-Blodgett Films	Fernando R. Xavier, Kassem Faraj, Lanka Wickramasinghe, Cláudio N. Verani
74	Synthesis, characterization and photophysical properties of fac-[Re(py)(cbz <sub>2</sub> phen)(CO) <sub>3</sub> ]PF <sub>6</sub> complex.	Ramos, L.D., Frin, K.P.M.
75	Incorporating ionic liquids onto silica by co-condensation process: the influence of the amount of ionic liquid in absorption of anionic dye	Silva, J. A. D., Araujo, M. H., Santos, T. A. R.
76	Analysis of concentration influence on kinetics and modeling for the adsorption of Congo Red dye onto modified Silica.	Silva, J.A.D., Araújo, M. H., De Souza, M. S., Del Corso, V. M. G. A.
77	The absence of positronium formation in complexes derived from Eu(tta) <sub>3</sub> studied by optical and positron annihilation spectroscopies	F. Fulgêncio, M. H. Araújo, A. Borges, E. E. S. Teotônio, D. K. S Pereira, D. Windmöller, A. Marques-Netto, W. F. Magalhães
78	In Vitro Studies of the Antifungal Activity and Adhesion Inhibition Evaluation of Dithiocarbamate Organoruthenium Complexes Against Candida spp.	DR. DONNICI, DR. ARAUJO, M. H., Dr. STOIANOFF, M. A. R., DR. NOGUEIRA, L. J., DRA. MARTINS, C. V. B., DR. RODRIGUES OLIVEIRA, S.
79	Positronium formation and ethynylestradiol adsorption studies in MCM-41 mesoporous molecular sieves	Tatiana Ribeiro Maria H. Araujo, Rochel M. Lago, Fernando Fulgêncio, Bárbara. C. C. Oliveira, Dario Windmöller, Wellington F. Magalhães
80	SILICA ENCAPSULATED Fe BASED FLOATING MAGNETIC HYDROPHOBIC SPONGES FOR OIL REMOVAL	Lilian A. Carvalho, Rochel M. Lago, Maria H. Araújo

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
81	STRUCTURAL AND PHOTOLUMINESCENCE INVESTIGATION OF THE Eu(III)-DPM COMPLEX WITH THE 2-PYRROLIDINONE	Alex S. Borges, Maria H. Araujo, Jeferson G. Da Silva
82	Theoretical Investigation of the Electronic Spectra of Ru(II) Polypyridyl Complexes	Christofani, T., Rocha, R. W.
83	First-Principles Molecular Dynamics of NO <sup>+</sup> , NO and NO <sup>-</sup> in water: Understanding the Mechanism of Oxidation Process	Mateus F. Venâncio, Willian R. Rocha
84	Synthesis and Characterization of Aminonaphthoquinone Mannich Bases Derived from Lawsone and their Cobalt(II) Complexes	Oliveira, M. S. N., Vargas, Maria D., Scarpellini, Marciela
85	Novel platinum(II) complexes of a Mannich base derived from lawsone as templates for zinc finger inactivation	Bernardes V.H.F., Farrell N.P., Vargas M.D.
86	Synthesis and X-ray characterization of the novel trinuclear ruthenium(II) and calcium(II) Ca <sub>3</sub> [fac-[RuCl <sub>3</sub> (DMSO-S) <sub>3</sub> ] <sub>2</sub> .2H <sub>2</sub> O complex	Javier A. G. Gomez, Jackson A. L. C. Resende, Fabio S. Miranda, Maria D. Vargas
87	Manufacturing and Operation of Nanovalve by Magnetic Hyperthermia for Controlled Drug Delivery	Souza, K. C., Vargas, M. D., Ronconi, C. M.
88	On the search for potential anti-Trypanosoma cruzi and antitumor drugs: Iridium-catalyzed cycloaddition for the synthesis of new naphthoquinone-based 5-bromo-1,2,3-triazoles	Wallace J. Reis, Guilherme A. M. Jardim, Isadora M. M. de Melo, Eduardo H. C. G. Wagner O. Valença, Eufrânio N. da Silva Júnior
89	Redox Behavior of Co <sup>3+</sup> Complexes Candidates for Bioreductively Activated Prodrugs	Rios, R.R., Borges, P.H.O., Scarpellini, M.
90	Synthesis and characterization of ruthenium-polypyridyl complexes for dye-sensitized solar cells	Soares, L. G. L., RESENDE, J. A. L. C., Scarpellini, Amado, R. S.
91	New copper catalyst, [Cu(tioepa)Cl <sub>2</sub> ], in the oxidation of 3,5-di-terc-butylcatechol	AMADO, R.S., POSADA, N.B.M., SCARPELLINI, M.
92	Synthesis and Characterization of the Ligand Hbha-Cl and the Complex [Co(bha-Cl) <sub>2</sub> ]ClO <sub>4</sub>	Castro, L.C., Loiola, J., Scarpellini, M.
93	Synthesis and Characterization of a new Mononuclear Copper(II) complex with a new Tripodal Ligand	Chaves, C. C. V., Peralta, R. A.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
94	Synthesis and Spectroscopic Characterization of a Mn(III)Mn(II) complex with the ligand H <sub>2</sub> bpbpmp-NH <sub>2</sub>	OLIVEIRA, T.V., PERALTA, R.A.
95	Synthesis, structural analysis and evaluation of the antioxidant activity of the complex derived from pyridoxal.	Roman, D., Pereira, M. B., Fontana, L. A., Back, D. F.
96	The influence of a bridging space ligand to form a coordination polymer	Duarte, R., Silva, R. M. S., Burrow, R. A.
97	Synthesis and Crystal Structure of Novel Ladder-like Structured lead Coordination Polymers	B. Naik, R. Duarte, R. A. Burrow
98	Electronic Structure of Meso-Substituted Dipyromethenes Using a Four-Orbital Model	Santos, S.G., Formiga, A.L.B.
99	A TD-DFT study of the electronic spectrum of [Cr(CN) <sub>6</sub> ] <sup>3-</sup>	Meneses, H G C, Formiga, A L B
100 (OP5)	Comparative Study of Iron Nanoparticles with Infrared Spectroscopy and X-ray Diffraction	P.P. Soares, G. Barcellos, C. Petzhold, v. lavayen
101	Synthesis and Crystal Structure of Two New Rigid Coordination Polymers of Co(II) and Cd(II).	Martins, V, Resende, J. A. L. C., C. M. Ronconi
102	Syntheses of 3D sodium and potassium metal-organic frameworks.	Santos, T. C, Botelho L. G., Ronconi C. M, Vinicius Martins, Resende J. A. L. C.
103	Synthesis and study of a cobalt(III) complex with a 1H-1,2,3-triazol derivative as a new prototype for bioreductive prodrugs	Faro, L.V., Gonzaga, D., da Silva, F.C., Resende, J.A.L.C., Lanznaster, M.
104	New Candidates of Antitumor Metallodrugs Based on Bioreductive Cobalt(III) Complexes	Isabela Cristina, Mauricio Lanznaster
105	Synthesis and Characterization of New Cobalt(III) Complexes as Potential Valence Tautomers	Carolina Precioso, Mauricio Lanznaster
106 (OP7)	Synthesis, Characterization and Reactivity Assays of Novel Cobalt(III) Complexes with Naphthoquinones as Prototypes of Bioreductive Prodrugs	SILVA, A. F. M., LANZNASTER, M., MARTINS, D. L., ROCHA, D. R., RESENDE, J. A. L. C

**Poster Section 2 (TUESDAY 12/08)**

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
107	Synthesis and characterization of new copper porphyrins and their uses as catalyst for the oxidation of catechols	Kelly A.D.F. Castro, João M.M. Rodrigues, José A.S. Cavaleiro, João P.C. Tomé, Shirley Nakagaki
108	Investigation of esterification reaction using solid based on vanadium salt as catalyst	Ana C. Cons Bacilla, Shirley Nakagaki, Marianne Roque de Freitas, Alesandro Bail, Vannia C. dos Santos, Ângela Silva, Noemi Nagata, Gustavo P. Ricci, Katia J. Ciuffi
109	Electrochemistry and spectroelectrochemistry of a 1,3-benzodioxole porphyrin and their manganese and iron complexes	Geani Maria Ucoski, Shirley Nakagaki, Fábio Souza Nunes
110	Neutral Mn(III) porphyrins covalently anchored onto functionalized chloropropyl mesoporous silica for oxidation of organic substrates	Pinto, V. H. A., Rebouças, J. S., Nakagaki, S.
111	Cu(II), Co(II) and Ni(II) complexes with the ligand bis(2-pyrimidylcarbonyl)amidate: Synthesis and characterization	Renato Rabelo, Eric J. Mascarenhas, Humberto Stumpf, Miguel Julve, Danielle Cangussu
112	Synthesis of a new Cu(II) coordination compound based in 1,2,3-triazole dendrimeric ligand	Teixeira, L. C. M., Figueiredo, R. C., Souza, G. P., Ribeiro-Viana, R. M., Rojo, J., Álvarez, E., Stumpf, H. O.
113	STRUCTURAL DIVERSITY OF TWO COPPER(II)-3-PHENYLPROPIONIC COORDINATION POLYMERS	Marinho, M.V, De Campos, N. R, Reis, D. O., Ribeiro, M. A., Oliveira, W. X. C., Stumpf, H. O., Pinheiro, C. B., Machado, F. C., Doriguetto, A. C, Lloret, F., Julve, M.
114	Study of compounds containing di(4-pyridyl)sulfide as flexible ligand and Co <sup>2+</sup> , Mn <sup>2+</sup> and Ni <sup>2+</sup>	Reis, N.V., Simões, T.R.G., Vaz, R.C.A., Oliveira, W.X.C., Pinheiro, C. B., Marinho, M.V., Pereira, C.L.M., Stumpf, H. O.
115	A new flexible ligand and its versatility: modeling the structure of copper(II) complexes by variation of the pH	de Faria, E. N., do Pim, W.D., Nunes, W.C., Pedroso, E.F., Souza, P.P., Lloret, F., Julve, M., Stumpf, H.O., Pereira, C.L.M.
116	Influence of counterions in the crystallization of [Cu(opba)] <sup>2-</sup> building block	Tamyris T. da Cunha, Willian X.C. Oliveira, Carlos B. Pinheiro, Cynthia L.M. Pereira
117	Property evaluation of mixed cerium phosphates obtained by microwave for application in solar protection	Mascarelli, M. E., Lima, J. F., Serra, O. A.
118	Photocatalytic activity evaluation of Cerium-based mixed oxides for UV protection	Lima, J. F., Cunha, J. L., Serra, O. A.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
119	Determination of kinetic parameters involved on the catalytic action of nanosized ZnO-CeO <sub>2</sub> solids on diesel soot oxidation	Nascimento, L.F., de Sousa Filho, P.C., Serra, O.A.
120	Magnetic microspheres with ironporphyrin immobilized into mesoporous silica layer as a biomimetic catalyst	Barbosa, I.A., S, D.L., Zanardi, F.B., Zanatta, L.D, de Sousa Filho, P.C.;de Sousa, P.C.;Sousa Filho, P, Serra, O. A, Iamamoto, Yassuko
121	Novel gold(III) complexes with thiosemicarbazones: thioredoxin reductase inhibitors.	A. Garcia, T. T. Tavares, H. Silva, A. P. S. Fontes
122	Towards a Chemical Interpretation of the Radiative Decay Rate of Luminescence of Europium Complexes	Lima, N. B. D., Dutra, J. D. L., Gonçalves, S. M. C., Freire, R. O., Simas, A. M.
123	Study of the interaction of Bi(III) ions and the complex bis(dimercaptosuccinyl)bismuth(III) with zinc finger protein model.	C. Demicheli, Prado, B. R., F. Frézard, Edgar H. Lizarazo-James
124	Novel organoantimony(V) and organobismuth(V) dicarboxylate complexes: structure, antileishmanial activity and proposed mechanism of action	ARSHARD ISLAM, BRUNO R. do PRADO, BERNARDO L. RODRIGUES, MARIA N. DE MELO, FILIPE M. BERBET, FREDERIC FREZARD, CYNTHIA DEMICHELI
125	Synthesis, characterization and cytotoxicity of novel copper(II)-1,10-phenanthroline complexes	Junior, F. L. S., Medeiros, M. J. C., Brito, A. C. F., Silva, F. O. N., Pereira, M. S. S., Rocha, H. A. O., Pontes, D. L.
126	Novel copper(II) complexes with kojic acid and pyridinic ligands	Medeiros, M.J.C., Júnior, F.L.S., Oliveira, V.S., Medeiros, W.M.T.Q., Silva, F.O.N., Brito, A.C.F., Pontes, D.L.
127	New Sensitizers of o-bqdi Ruthenium Complexes	LOPES, A. F., de Carvalho, M. M.
128	Copper complexes for potential applications in environmental chemistry	Saulo A.A. Filho, V.R.L. Costantino, A. M. da Costa Ferreira
129	Oxindolimine ligands as complexing agents of metals ions implicated in Alzheimer disease	Wegermann, C. A., Ferreira, A. M. D. C.
130	Synthesis, some spectroscopic considerations and the effect of paramagnetic anisotropy in <sup>1</sup> H-NMR spectrum of a new trinuclear ruthenium complex	Possato, B., Nikoloau, S.
131	New carbon monoxide and nitric oxide releasers based on trinuclear ruthenium cluster as potential metallo-drugs	Silva, C.F.N, Nikoloau, S.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
132	Spectroscopic aspects of trinuclear ruthenium acetate clusters [Ru <sub>3</sub> O(CH <sub>3</sub> COO) <sub>6</sub> (CO)(L) <sub>2</sub> ] (L = 4-cyanopyridine (cnpy), 2,6-dimethylpyrazine (dmpz), 4-dimethylaminopyridine (dmap))	Moreira, M.B, Possato, B., Nikoloau, S.
133 (OP15)	Supramolecular assemblies of lanthanide complexes with iminodiacetic acid derivatives	Roberto Puentes, Julia Torres, Alessia Bacchi, Carlos Kremer
134	Oxi-reduction reactions in glasses containing Sb <sub>2</sub> O <sub>3</sub> - a new way of obtaining metallic copper nanoparticles in glasses.	FRANCO, D.F., SANT'ANA, A.C., SILVA, M.A.P.
135	SYNTHESIS, CHARACTERIZATION AND PHOTOCHEMICAL REACTION OF CIS-[RU(BPY) <sub>2</sub> (4-BZPY)(NO)](PF <sub>6</sub> ) <sub>2</sub> COMPLEX	Alda Karine Medeiros Holanda, Auridéia Possidônio de Sousa
136	SYNTHESIS, CHARACTERIZATION AND CO RELEASE PROPERTIES OF CIS-[RU(BPY) <sub>2</sub> (4-BZPY)(CO)](PF <sub>6</sub> ) <sub>2</sub> COMPLEX	Holanda, A. K. M., Sousa, A. P.
137	Aggregation Equilibrium Study of Water Soluble Tetrasubstituted Iron Phthalocyanines	Silva, R. , Pereda, G., W. C. Moreira
138 (OP10)	Metal complexation of bisphosphonates in the search of an enhanced anti T.cruzi activity and additional mechanisms of action	M.Cipriani, B. Demoro, G. Firpo, Z. Li, M. Galzzi, L. Malayil, R. Docampo, D. Gambino, L. Otero
139	Synthesis, characterization and in vitro antibacterial and antifungal activity of new organotin(IV) complexes	Dias, L. C., de Lima, G. M, Takahashi, J.A., Ferreira, I.P., Ardisson, J.D.
140	The antifungal activity of new organotin valproates towards Candida sp.	Bárbara Patrícia de Moraes, Valéria Felisberto Tavares, Daniele Cristane Menezes, Jacqueline Aparecida Takahashi, Geraldo Magela de Lima
141	Electron Communication on Ruthenium Binuclear Complexes through 4-Aminopyridine or Isothionicotinamide Bridging Ligands	Natanna A. Aguiar, Caio Castro, Izaura Diógenes
142	Ruthenium Complexes Containing Non-Innocent Ligands: Synthesis, Characterization and Catalytic Activity	Thiago S. F., Izaura C. N. Diógenes, Elisane Longhinotti, Ana L. R. Silva
143	Heme-Based Sensor ReFixL Protein: Determination of Redox Potential	Honorio Felício, N., Carepo, M.S.P., Lopes, L. G. F., Sousa, E. H. S., Diógenes, I. C. N.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
144	Synthesis and Characterization of cis-[Ru(NO)(df)(cyclen)]Cl <sub>2</sub> Complex (cyclen=1,4,7,10-tetraazacyclododecane; df = acid 5-(2,4-difluorophenyl)-2-hydroxybenzoic).	Ferreira, K.Q., Cezar, J.G., Carvalho, J.R.M.
145	Reactions of [PtCl <sub>2</sub> (Phen)] with β-Diketone Thiosemicarbazone Derivatives with C-C Coupling	Rettondin, A. R., Lopes, É. O., Oliveira, C. G., Pavan, F. R., Patrocínio, A. O. T., Deflon, V. M., Maia, P. I. S.
146	On the photophysics of fac-[Re(CO) <sub>3</sub> (NN)(bpa)] <sup>+</sup> complexes: a theoretical/experimental study	Patrocínio, AOT, Sousa, S. F., Sampaio, R.N., Barbosa Neto, N.M., Machado, AEH
147	Development of a new adsorbent material obtained from the incorporation of guanidine on a silica matrix	O. R. Bittencourt, M. R. de Barros, H. A. Magosso
148	Synthesis, Surface Modification and Characterization of Lanthanum Fluoride Nanoparticles	Henrique Secco, Lilia Courrol, Laura O. Pères
149	Ruthenium Terpyridine Complex for application in Dye Sensitized Solar Cells	SILVA, M. R. E., MATIAS, Tiago A., Parussulo, André L. A., TOMA, Henrique E.
150	Adsorption and Catalytic oxidation of asphaltenes onto MagNP	Pereira, MLO, Grasseschi, D, Almeida, S. N., Totti, A., Toma, H.E.
151	Interaction between substituted ruthenium phtalocyanine compound and Carbondots as strategy for theranostic use	Negri, L. B., Martins, T. J., Biazzotto, J. C., Costacurta, V. C., Castaldelli, E., Jean-François, G., da Silva, R. S.
152	Ab Initio Study of the Oxidation Mechanism of Catechol by a Biomimetic Copper Model for Catechol Oxidase: A Preliminary View	Paixão, NM, Esteves, LF, Costa, LAS
153	Y <sub>2</sub> O <sub>3</sub> :Eu(III) from Sorbitol or Ethylene Glycol via Pechini Method: Optical Performance Investigated by Intensity Parameters	Gabriel M. M. Shinohara, Elizabeth A. Alves, Nagyla A. Oliveira, Ana M. Pires
154	Y <sub>2</sub> O <sub>3</sub> :Er, Y <sub>2</sub> O <sub>3</sub> :Er,Eu and Y <sub>2</sub> O <sub>3</sub> :Er,Eu,Yb Down Conversion Phosphors Spectroscopic Studies for Optical Applications	Nagyla A. Oliveira, Elizabeth A. Alves, Gabriel M. M. Shinohara, Ana M. Pires
155 (OP14)	Clay Mineral Nanotubes With Well Defined Structure.	Hélio A. Duarte, Maicon P. Lourenço, Mauricio C. da Silva, Luciana Guimaraes
156	DFT study of the nitroxil ligand in ruthenium tetraammines systems	da Silva, A. C. H., Franco, D. W.
157	Production of ClO <sub>2</sub> by the chlorate-nitrous acid reaction	S., R. T. P., F., R. B.
158	Synthesis and Characterization of a new Co <sup>3+</sup> complex, [CoIII(bimen)(N <sub>3</sub> ) <sub>2</sub> ]BF <sub>4</sub> , as a Potential Antitumor Drug	Marciela Scarpellini, Bianca M. Pires, Adailton J. Bortoluzzi, Roberto B. Faria

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
159 (OP13)	Synthesis Characterization and Biological Activity of Cadmium(II) Complexes of Schiff Bases derived from Substituted Amines	Muhammad Ashraf Shaheen, Muhammad Irfan, Muhammad Nawz Tahir, Saeed Ahmed
160	A cubic silsesquioxane chemically modified with 4-Amino-5-Phenyl-4H-1,2,4-Triazole-3-Thiol and subsequent interaction with copper(II) and potassium hexacyanoferrate (III)	Devaney R do Carmo, Urquiza de O Bicalho, Daniela R Silvestrini
161	Magnetic nanoparticles containing cyclodextrins as potential drug delivery system	Monterio, A. P. F., Caminhas, L.D., Ardisson, J. D., Sinisterra, R. D.
162	Improving cytotoxicity of lapachol and lawsone by their coordination with Ru(II)	OLIVEIRA, K. M., CARROCIA, M. C., DEFLOM, V. M., BATISTA, A. A.
163	Study of interaction of ruthenium complexes with CT-DNA by square-wave voltammetry	Guedes, A. P. M., Grawe, G. F., Batista, A. A.
164	Gold(III) Thiosemicarbazone Complexes: Cytotoxicity on Cancer Cells and Interactions with DNA and Albumin	Da Silva, A. K., LOPES, Ê. O., PAVAN, F.R., Oliveira, K. M., BATISTA, A. A , MAIA, P. I. da S. , DEFLOM, V. M.
165	Synthesis and Spectroscopic Properties of a Boron-Based Chelate	W. E. Silva, R. A. L. de Campos, A. Galembeck
166	Vanadium-based complex used for streptozotocin-induced diabetic rats treatment and its anti-testicular reduction effect	Lidiane M. A. de Lima, Ana K. F., Fagundes, Valdemiro A. da Silva Jr., W. E. Silva, Mônica F. Belian
167	Highly pure lanthanum oxide from Brazilian monazite for applying in research and development - brief summary	C. A. DA S. QUEIROZ, J. A. SENEDA, M. E. DE VASCONCELLOS
168	Ruthenium complexes for diagnosis and treatment of Alzheimer diseases	M. V. S. Lima, C. R. Cardoso, W. M. Pazin, A. ITO, A. A. Marti, R. M. CARLOS
169	Theoretical-experimental studies of organ tin compounds of sulfur ligands	Tainá Rodrigues C, FERREIRA, G. B., COSTA, L.M.
170	Supported Gold and Silver Nanoparticles for Application in Optical Sensors	Pereira JC, Teixeira RR, Romero RR, Matos CF, Oliveira MM
171	Half-sandwich complexes with anti-malarial properties	Erik Ekengard, Ebbe Nordlander
172 (OP6)	Iron Recuperation from Mining Waste using Acid Extract from Bio-oil	F.G. Mendonça, R.M. Lago, J.C. Tristão
173	Effects on photoluminescence properties of Eu <sup>3+</sup> -β-diketonate complex doped into cellulose acetate (CA) matrix	Oliveira, R. L., Barud, H. S., Santos, M. V., Ribeiro, S. J. L., Messaddeq, Y.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
174	Evaluation of antileukemic activity of 1,2,3-benzotriazin-4(3H)-one and related triazenide complexes with Cu(II)	Hörner, M., Tizotti, M., Hörner, R., Paraginski, G., Bottega, A., Damer, J., Rampelotto, R., Wagner, T.
175	IN VITRO EVALUATION OF BINUCLEAR COPPER(II) TRIAZENIDO COMPLEXES AGAINST LEUKEMIA CELLS	Hörner, R., Rodrigues, J., Coser, V., Leal, I. A. S., Brites, P. C., Carvalho, F. A., de Camargo, L. R. S., Hörner, M.
176	Novel Tris-Triazene and Its Cu(II), Cu(I) and Ag(I) Complexes	Paraginski, G. L., Paraginski, V. T. K., Beck, J., Hörner, M.
177	Novel Bis-Triazanyl-Ferrocene Ligand and Its Ni(II) Complex	Paraginski, V.T. K., Paraginski, G. L., Beck, J., Hörner, M.
178	Chromium(III) Acetate Trinuclear Cluster with Quercetin: Synthesis and Characterization	H. Lombardi, M. J. Pena Ferreira, P. Romoff, A. D. P. Alexiou
179 (OP1)	Cobalt(III) Thiosemicarbazone Complexes with anti-Mycobacterium tuberculosis activity	Oliveira, C. G., Maia, P. I. S., Miyata M., Pavan, F. R., Leite C. Q. F., Almeida E. T., Deflon, V. M.
180	Synthesis, characterization, photochemical properties and interaction with DNA of a new bifunctional photoCORM complex	Carvalho, J. M. S, Martins, P. H. R., Lopes, L. G. F.
181	SYNTHESIS AND CRYSTAL STRUCTURE OF A NOVEL 2-D COORDINATION POLYMER $\{[Co(HPDC)_2(H_2O)_2] \cdot (H_2O)(DMSO)}_n$	F. M. Scaldini, C. C. Correa, F. C. Machado
182	Synthesis, characterization, photophysical, electrochemical properties of fac-[ReCl(Cl <sub>2</sub> phen)(CO) <sub>3</sub> ] complex and its use in OLEDs devices.	Gonçalves, M.R., Frin, K. P. M.
183	Metal-organic frameworks analogous to the MIL-101 (Cr) containing amino groups for nimesulide controlled release	Silva, I.M.P., M. A. Carvalho, R.B. Ferreira, P.P Corbi, A.L.B. Formiga
184	[Fe(CN) <sub>5</sub> (isoniazid)] <sup>3-</sup> : an Isoniazid Iron Complex with Redox Behavior Implicated in Tuberculosis Therapy	FGM Vieira, JS Butler, PJ Sadler, EHS Sousa
185	Theoretical-experimetal structural analysis of $[Ni_3(EthylXanthate)_3S_2][PPh_4]$ complex	Ana Carolina Helena, Glaucio Braga, Jackson Resende
186	Rapid growth of Gd-doped ZnO nanostructures by microwave-hydrothermal	Marinho, J. Z., Romeiro, F. C., Lima, R. C.
187	Influence of the addition of silver ions in photocatalysts based on nitrogen-doped titanium oxide	da Silva, T. A., Machado, A. E. H.

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
188	Synthesis, Characterization and Diesterase Activity of a new Biomimetic for Purple Acid Phosfatases (PAPs): The Effect of an Amino Group in the Second-Coordination-Sphere	Renata S. Heying
189	A 2D coordination polymer formed by 1,3,5-benzenetricarboxylic acid, Isoniazid and $\text{Co}^{2+}$	de Almeida, F. B., de Abreu, H. A., Diniz, R.
190	Quinoline derivative compounds: synthesis, characterization and biological properties	MECCA, C. Z. P.
191	A New Trinuclear Promiscuous Copper(II) Complex: Crystal structure, Hydrolase and Catecholase Activities.	PALHANO, T. M. R. S.
192	On the Interaction between Myoglobin and Snake Venom	Souza, T. P.
193	Organometallic indium(III) derivatives for the preparation of cyclopropanes	das Chagas, RP, de Andrade, FM, Peppe, C
194	New Heteropolynuclear Rhenium Nickel Cluster: Synthesis, Structure and Magnetic Properties	Pejo, C.
195	Spectroscopic investigation of nanostructured $\text{Ba}_2\text{SiO}_4:\text{Eu(III)}$ phosphors prepared via Sol-Gel route	BISPOJR, AG, CECCATO, DA, NASSAR, EJ, LIMA, SAM, PIRES, AM
196	Theoretical Investigation of the Ligand Displacement Reactions involving Ruthenium complexes with Nitric Oxide	G. L. S. Rodrigues, W. R. Rocha
197	Mn Complexes of Tricationic Porphyrins as Prospective Superoxide Dismutase (SOD) Mimics	Jesus, J. C. B. J., Sarmiento-Neto, J. F., Fragoso, W. D., Lemos, S. G., Martínez, C. R., Spasojevic, I., Batinic-Haberle, I., Rebouças, J. S.
198	Investigation of coumarin release in two novel Co(III) complexes: fluorescence studies and redox properties	Bruna Juliana da S. Bronsato-Thiago Moreira Pereira, Guilherme Pereira Guedes, Antônio Gerson B. da Cruz, Arthur Eugen Kummerle, Amanda Porto Neves
199 (OP12)	Bond Activation and $\text{CO}_2$ Fixation Using Iridium(I) Hydroxides	Byron J. Truscott, David J. Nelson, Hedi Kruger, Paul B. Webb, Michael Buehl, Alexandra M. Z. Slawin, David B. Cordes, Steven P. Nolan
200	Cytotoxicity activity of ruthenium (II) complexes containing anti-inflammatory drugs as ligands	SOUZA, J.C., VON POELHSITZ, G., OLIVEIRA, P. F., DAMASCENO, J. L., TAVARES, D. C
201 (OP9)	Copper Complex with Clip-Phen Type Ligand: Adsorption on Gold and Glass Carbon Electrodes	Romo A. I. B., Luis A. L. Chávez, Tércio de F. Paulo, Izaura C. N. Diógenes

<b>Poster Number</b>	<b>Title</b>	<b>Author(s)</b>
202	New In(III) complex with a new non-symmetric ligand: synthesis, crystal structure and cytotoxicity to leukemia and melanoma.	Silva, L. H.
203	Luminescent organotin complexes derived from Schiff bases: Synthesis, Chemical-optical Characterization, and Cell imaging	Blanca M. Muñoz-Flores, María C. García , Víctor M. Jiménez-Pérez, Rodrigo Chan-Navarro, Arturo Chavez, Rosa Santillan, Ivana Moggio, Eduardo Arias
204	Tin(IV) effect on optical properties: Multicomponent synthesis and chemical-optical characterization of luminescent organoboron and organotin derived from Schiff bases	Victor M. Jiménez-Pérez, Blanca M. Muñoz-Flores, Rodrigo Chan-Navarro, María C. García, Jesica Berrones, H. V. R. Dias, Ivana Moggio, Eduardo Arias
205	Theoretical Studies of New Coordination Compounds Towards the Hydrolysis of Organophosphates Substrates	Marcelo N. Imai, Annelise Casellato, Sergio de P. Machado
206 (OP3)	Opening the egg-box: the coordination of s-block metal ions to seaweed-derived sugars	P. W. Dyer, H. C. Greenwell, J. S. Rowbothama
207	Using Supramolecular chemistry as NO delivery systems	Lilian Pereira Franco, Sofia Nikolaou, Roberto Santana da Silva
208	Peptide-Desferrioxamine Conjugates Against Iron-Induced Toxicity	Dibakar Goswami, Hector A. Vitorino, Daniel M. Silvestre, Cassiana S. Nomura, Maria Teresa Machini and Breno P. Esposito