

PUBLICATIONS LCC 2008

174 articles parus, dont :

4 *Angewandte Chemie*
9 *Chemical Communications*
11 *Chemistry : A European Journal*
4 *Dalton Transactions*
12 *European of Inorganic Chemistry*
6 *Inorganic Chemistry*
7 *JACS*
4 *Journal of Organometallic Chemistry*
6 *New Journal of Chemistry*
15 *Organometallics*

Articles parus dans des revues

New enantiopure palladium(II) complexes from a stereodynamic 2,2'-biphosphole ligand
DIAB L., DARAN J.-C., GOUYGOU M., MANOURY E., URRUTIGOITY M.
Acta Crystallogr., Sect. C, 2008, **C64**, pp. m43-m45 (LCC-7843).

Polymorph of {2-[(2-hydroxyethyl)iminomethyl]phenolato-*k*O} dioxido{2-[(2-oxidoethyl)iminomethyl]-phenolato-*k*³*O,N,O'*} molybdenum(VI)
AGUSTIN D., DARAN J.-C., POLI R.
Acta Crystallogr., Sect. C, 2008, **C64**, pp. m101-m104 (LCC-7842).

4a-dimethyl-6-methylene-5-(5,5,6,6-tetracyano-2-methylcyclohex-2-enylmethyl)decahydronaphthalene-1-carboxylic acid: a trans-communic acid derivative
REJOUANI N., AUHMANI A., AIT ITTO M.Y., BENHARREF A., DARAN J.-C.
Acta Crystallogr., Sect. E, 2008, **E64**, pp. o475 (LCC-9331).

(4a*S*, 10a*S*)-7-hydroxy-8-isopropyl-1,1,4a-trimethyl-1,2,3,4,4a,9,10,10a-octahydrophenanthrene: a new diterpenoid compound
ZEROUAL A., MAZOIR N., DARAN J.-C., AKSSIRA M., BENHARREF A.
Acta Crystallogr., Sect. E, 2008, **E64**, pp. o604-o605 (LCC-9333).

(+/-)-N-[4-acetyl-5-methyl-5-(4-methylcyclohex-3-enyl)-4,5-dihydro-1,3,4-thiadiazol-2-yl]acetamide
MOHAMMED T., MAZOIR N., DARAN J.-C., BERAHO M., BENHARREF A.
Acta Crystallogr., Sect. E, 2008, **E64**, pp. o610-o611 (LCC-9334).

A bi-TTF with a bipyridine spacer: 4,4'-bis[(3,6,7-trimethylsulfanyltetrathia-fulvalen-2-yl)sulfanylmethyl]-2,2'-bipyridine
KABOUB L., FABRE J.-M., LEGROS J.-P.
Acta Crystallogr., Sect. E, 2008, **E64**, pp. o2484 - o2485 (LCC-8398).

6-hydroxy-7-isopropyl-1,1,4a-trimethyl-2,3,4,4a,10,10a-hexahydrophenanthren-9(1H)-one
REJOUANI N., AIT ITTO M.Y., BENHARREF A., AUHMANI A., DARAN J.-C.
Acta Crystallogr., Sect. E, 2008, **E64**, pp. o4762 (LCC-9335).

Sulphonated "click" dendrimer-stabilized palladium nanoparticles as highly efficient catalysts for olefin hydrogenation and Suzuki coupling reactions under ambient conditions in aqueous media
ORNELAS C., RUIZ J., SALMON L., ASTRUC D.
Adv. Synth. Catal., 2008, **350**, pp. 837 - 845 (LCC-9063).

- Efficient phosphorus catalysts for the halogen-exchange (halex) reaction
LACOUR M.-A., ZABLOCKA M., DUHAYON C., MAJORAL J.-P., TAILLEFER M.
Adv. Synth. Catal., 2008, **350**, pp. 2677 - 2682 (LCC-8390).
- Reactions of olefins with novel ruthenium-hydride nanoparticles: hydride titration and room temperature C-C activation
GARCIA-ANTON J., AXET R., JANSAT S., PHILIPPOT K., CHAUDRET B., PERY T., BUNTROWSKY G., LIMBACH H.-H.
Angew. Chem. (Int. Ed. Engl.), 2008, **47**, pp. 2074 - 2078 (LCC-8874).
- Homolytic bond strengths and formation rates in half-sandwich chromium-alkyl complexes: relevance for controlled radical polymerization
CHAMPOURET Y., BAISCH U., POLI R., TANG L., CONWAY J.L., SMITH K.M.
Angew. Chem. (Int. Ed. Engl.), 2008, **47**, pp. 6069-6072 (LCC-9341).
- Overall "pseudocationic" -trifluoromethylation of dihydropyridines with triflic anhydride
RUDLER H., PARLIER A., SANDOVAL-CHAVEZ C., HERSON P., DARAN J.-C.
Angew. Chem. (Int. Ed. Engl.), 2008, **47**, pp. 6843-6846 (LCC-9344).
- Towards the ultimate size limit of the memory effect in spin crossover solids
LARIONOVA J., SALMON L., GUARI Y., TOKAREV A., MOLVINGER K., MOLNAR G., BOUSSEKSOU A.
Angew. Chem. (Int. Ed. Engl.), 2008, **47**, pp. 8236 - 8240 (LCC-9066).
- The antimalarial trioxaquine DU1301 alkylates heme in malaria-infected mice
BOUSEJRA-EL GARAH F., CLAPAROLS C., BENOIT-VICAL F., MEUNIER B., ROBERT A.
Antimicrob. Agents Chemother., 2008, **52**, pp. 2966 - 2969 (LCC-7890).
- Rh- and Pt-catalyzed cycloisomerization of enynes derived from terpenes
COSTES P., WECKESSER J., DECHY-CABARET O., URRUTIGOITY M., KALCK P.
Appl. Organomet. Chem., 2008, **22**, pp. 211-214 (LCC-9379).
- Incorporation of oxidized guanine nucleoside 5'-triphosphates in DNA with DNA polymerases and preparation of single-lesion carrying DNA
MOURGUES S., TRZCIONKA J., VASSEUR J.-J., PRATVIEL G., MEUNIER B.
Biochem., 2008, **47**, pp. 4788 - 4799 (LCC-8406).
- Immunotherapy in multiple myeloma: use of NK amplified cells with a phosphorus dendrimer
POUPOT M., FRUCHON S., BOURIN P., CAPPELLESSO S., ATTAL M., GRIFFE L., TURRIN C.-O., CAMINADE A.-M., MAJORAL J.-P., FOURNIE J.-J., POUPOT R.
Bulletin du Cancer, 2008, **94**, pp. S54-S55 (LCC-9357).
- Dissimilar supramolecular organization for the heterotrimetallic assemblage [$\{LnNiLn\}\{W(CN)_8\}$] with $Ln = Y$ and La ($L =$ schiff-base derivative)
SUTTER J.-P., DHERS S., COSTES J.-P., DUHAYON C.
C. R. Chimie, 2008, **11**, pp. 1200 - 1206 (LCC-8281).
- MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation
SOLHY A., MACHADO B.F., BEAUSOLEIL J., KIHN Y., GONCALVES F., PEREIRA M.F.R., ORFAO J.J.M., FIGUEIREDO J.L., FARIA J.L., SERP P.
Carbon, 2008, **46**, pp. 1194 - 1207 (LCC-7887).
- A new and specific mode of stabilization of metallic nanoparticles
FAVIER I., MASSOU S., TEUMA E., PHILIPPOT K., CHAUDRET B., GOMEZ M.
Chem. Commun., 2008, pp. 3296 - 3298 (LCC-7899).

Assembling metals and clusters around an octaphosphine ligand based on N-substituted bis(diphenylphosphanyl)amines: structural characterization of dendrimer-like Co₁₂ and Co₁₆ branched clusters

RODRIGUEZ-ZUBIRI M., GALLO V., ROSE J., WELTER R., BRAUNSTEIN P.

Chem. Commun., 2008, **1**, pp. 64 - 66 (LCC-8407).

Click chemistry for the efficient preparation of functionalized [60]fullerene hexakis-adducts

IEHL J., PEREIRA DE FREITAS R., DELAVAUUX-NICOT B., NIERENGARTEN J.-F.

Chem. Commun., 2008, **21**, pp. 2450 - 2452 (LCC-8408).

Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation

GUAL A., AXET R., PHILIPPOT K., CHAUDRET B., DENICOURT-NOWICKI A., ROUCOUX A., CASTILLON S., CLAVER C.

Chem. Commun., 2008, **24**, pp. 2759 - 2761 (LCC-7883).

A three-dimensional lanthanide-organic radical open-framework

ROQUES N., MASPOCH D., IMAZ I., DATCU A., SUTTER J.-P., ROVIRA C., VECIANA J.

Chem. Commun., 2008, **27**, pp. 3160 - 3162 (LCC-7886).

Lactonizations of carboxylic acid-substituted 3-fluorodihydropyridines with electrophiles: peculiar behaviour of F⁺

RUDLER H., PARLIER A., HAMON L., HERSON P., DARAN J.-C.

Chem. Commun., 2008, **35**, pp. 4150-4152 (LCC-9346).

Supported ionic liquid phase catalysis on functionalized carbon nanotubes

RODRIGUEZ-PEREZ L., TEUMA E., FALQUI A., GOMEZ M., SERP P.

Chem. Commun., 2008, **39**, pp. 4201 - 4203 (LCC-7906).

Gold nanoparticles synthesis and stabilization via new "clicked" polyethyleneglycol dendrimers

BOISSELIER E., DIALLO A.K., SALMON L., RUIZ J., ASTRUC D.

Chem. Commun., 2008, **39**, pp. 4819 - 4821 (LCC-9064).

Synthesis and characterization studies of two-step spin crossover mononuclear iron(II) complex with a [HS-LS-LS]intermediate phase

BONNET S., SIEGLER M.A., COSTA J.S., MOLNAR G., BOUSSEKSOU A., SPEK A.L., GAMEZ P., REEDIJK J.

Chem. Commun., 2008, **43**, pp. 5619 - 5621 (LCC-9114).

How to very efficiently functionalize gold nanoparticles by "click" chemistry

BOISSELIER E., SALMON L., RUIZ J., ASTRUC D.

Chem. Commun., 2008, **44**, pp. 5788 - 5790 (LCC-9067).

Dry impregnation in fluidized bed: drying and calcination effect on nanoparticles dispersion and location in a porous support

BARTHE L., HEMATI M., PHILIPPOT K., CHAUDRET B.

Chem. Eng. Res. Des., 2008, **86**, pp. 349 - 358 (LCC-8409).

"Click" dendrimers: synthesis, redox sensing of Pd(OAc)₂, and remarkable catalytic hydrogenation activity of precise Pd nanoparticles stabilized by 1,2,3-triazole-containing dendrimers

ORNELAS C., SALMON L., ARANZAES J.R., ASTRUC D.

Chem. Eur. J., 2008, **14**, pp. 50 - 64 (LCC-8176).

Preparation and study of new poly-8-hydroxyquinoline chelators for an anti-Alzheimer strategy

DERAEVE C., BOLDRON C., MARAVAL A., MAZARGUIL H., GORNITZKA H., VENDIER L., PITIE M., MEUNIER B.

Chem. Eur. J., 2008, **14**, pp. 682 - 696 (LCC-9082).

First dicyanamide-bridged spin-crossover coordination polymer : synthesis, structural, magnetic and spectroscopic studies

GENRE C., JEANNEAU E., BOUSSEKSOU A., LUNEAU D., BORSHCH S.A., MATOUZENKO G.S.
Chem. Eur. J., 2008, **14**, pp. 697-705 (LCC-7845).

A family of enneanuclear iron(II) single-molecule magnets

BOUDALIS A.K., SANAKIS Y., CLEMENTE-JUAN J.M., DONNADIEU B., NASTOPOULOS V., MARI A., COPPEL Y., TUCHAGUES J.-P., PERLEPES S.P.
Chem. Eur. J., 2008, **14**, pp. 2514 -2526 (LCC-8410).

Platined copper(3-Clip-Phen) complexes as effective DNA-cleaving and cytotoxic agents

OZALP-YAMAN S., DE HOOG P., AMADEI G., PITIE M., GAMEZ P., DEWELLE J., MIJATOVIC T., MEUNIER B., KISSEL T., REEDIJK J.
Chem. Eur. J., 2008, **14**, pp. 3418 - 3426 (LCC-9084).

Mechanistic insights into cobalt mediated radical polymerization (CMRP) of vinyl acetate via cobalt(III) adducts as initiators

DEBUIGNE A., CHAMPOURET Y., JEROME R., POLI R., DETREMBLEUR C.
Chem. Eur. J., 2008, **14**, pp. 4046-4059 (LCC-9330).

Tailored control and optimisation of the number of phosphonic acid termini on phosphorus-containing dendrimers for the ex-vivo activation of human monocytes

ROLLAND O., GRIFFE L., POUPOT M., MARAVAL A., OUALI A., COPPEL Y., FOURNIE J.-J., BACQUET G., TURRIN C.-O., CAMINADE A.-M., MAJORAL J.-P., POUPOT R.
Chem. Eur. J., 2008, **14**, pp. 4836 - 4850 (LCC-8417).

Dendrimers and DNA : combinations of two special topologies for nanomaterials and biology

CAMINADE A.-M., TURRIN C.-O., MAJORAL J.-P.
Chem. Eur. J., 2008, **14**, pp. 7422 -7432 (LCC-7894).

Cobalt mediated radical polymerization (CMRP) of acrylonitrile: kinetic investigations and DFT calculations

DEBUIGNE A., MICHAUX C., JEROME C., JEROME R., POLI R., DETREMBLEUR C.
Chem. Eur. J., 2008, **14**, pp. 7623-7637 (LCC-9345).

Optical properties of hybrid dendritic-mesoporous titania nanocomposite films

MARTINEZ-FERRERO E., FRANC G., MAZERES S., TURRIN C.-O., BOISSIERE C., CAMINADE A.-M., MAJORAL J.-P., SANCHEZ C.
Chem. Eur. J., 2008, **14**, pp. 7658-7669 (LCC-7893).

Effect of the metal atom nature on hydrogen bonding and proton transfer to [Cp*MH₃(dppe)]: tungsten vs molybdenum

BELKOVA N.V., BESORA M., BAYA M., DUB P.A., EPSTEIN L.M., LLEDOS A., POLI R., REVIN P.O., SHUBINA E.S.
Chem. Eur. J., 2008, **14**, pp. 9921-9934 (LCC-9348).

Light- and temperature-induced electron transfer in single crystals of RbMn[Fe(CN)₆].H₂O

VERTELMAN E.J., LUMMEN T.T.A., MEETSMA A., BOUWKAMP M.W., MOLNAR G., VAN LOOSDRECHT P.H.M., VAN KONINGSBRUGGEN P.J.
Chem. Mater., 2008, **20**, pp. 1236 - 1238 (LCC-8319).

Second harmonic generation switching in a thermochromic crystal: structural, optical and theoretical studies

SLIWA M., SPANGENBERG A., MALFANT I., LACROIX P.G., METIVIER P., PANSU R., NAKATANI K.
Chem. Mater., 2008, **20**, pp. 4062 -4068 (LCC-8153).

Thermal and light-induced spin crossover phenomena in new 3D Hofmann-like microporous frameworks produced as bulk materials and nano-patterned thin films

AGUSTIN D., COBO S., GASPAR A.B., MOLNAR G., OULD-MOUSSA N., SZILAGYI P., PALFI V.K., VIEU C., MUNOZ M.C., REAL J.A., BOUSSEKSOU A.
Chem. Mater., 2008, **20**, pp. 6721 - 6732 (LCC-9115).

Light induced excited spin state trapping in the binuclear spin crossover compound [Fe(bpym)(NCS)₂]₂(bpym) exhibiting a high spin ground state
MOURI S., OULD-MOUSSA N., MOLNAR G., REAL J.A., GASPAR A.B., BOUSSEKSOU A., TANAKA K.

Chem. Phys. Lett., 2008, **456**, pp. 215 - 219 (LCC-8117).

Dendrimeric phosphines in asymmetric catalysis

CAMINADE A.-M., SERVIN P., LAURENT R., MAJORAL J.-P.

Chem. Soc. Rev., 2008, pp. 56-67 (LCC-7807).

Improving purity and size control of iron- and molybdenum-supported nanoparticles prepared by OMCVD from their carbonyl precursors

LAMOUREUX E., CORRIAS M., RESSIER L., KIHN Y., SERP P., KALCK P.

Chem. Vap. Deposit., 2008, **14**, pp. 275-278 (LCC-9381).

Thioflavin derivatives as markers for amyloid- β fibrils : insights into structural features important for high-affinity binding

LEUMA YONA R., MAZERES S., FALLER P., GRAS E.

ChemMedChem, 2008, **3**, pp. 63-66 (LCC-7840).

Fe_{1-y}O nanoparticles: organometallic synthesis and magnetic properties

GLARIA A., KAHN M.L., LECANTE P., BARBARA B., CHAUDRET B.

ChemPhysChem, 2008, **9**, pp. 776 - 780 (LCC-8418).

An organometallic approach for very small maghemite nanoparticles: synthesis, characterization, and magnetic properties

GLARIA A., KAHN M.L., FALQUI A., LECANTE P., COLLIERE V., RESPAUD M., CHAUDRET B.

ChemPhysChem, 2008, **9**, pp. 2035 - 2041 (LCC-7908).

High oxidation state organomolybdenum and organotungsten chemistry in protic environments
POLI R.

Coord. Chem. Rev., 2008, **252**, pp. 1592-1612 (LCC-9328).

NMR: a good tool to ascertain sigma-silane or sigma-borane formulations?

ALCARAZ G., SABO-ETIENNE S.

Coord. Chem. Rev., 2008, **252**, pp. 2395 - 2409 (LCC-9139).

Modular assembling of [Zr(C₂O₄)₄]⁴⁻ and [DabcoH₂]²⁺ units in supramolecular hybrid architectures including an open framework with reversible sorption properties (Dabco = 1,4-diazabicyclo[2.2.2]octane)
THETIOT F., DUHAYON C., VENKATAKRISHNAN T.S., SUTTER J.-P.

Cryst. Growth Des., 2008, **8**, pp. 1870 - 1877 (LCC-8419).

Tetranuclear [Cu-Ln]₂ single molecule magnets: synthesis, structural and magnetic studies

COSTES J.-P., SHOVA S., WERNSDORFER W.

Dalton Trans., 2008, pp. 1843 - 1849 (LCC-9112).

Heterometallic werner complexes as energetic materials

PRADERE C., SUHARD S., VENDIER L., JACOB G., CHAUDRET B., SABO-ETIENNE S.

Dalton Trans., 2008, pp. 2725 - 2731 (LCC-8420).

Broad HOMO-LUMO gap tuning through the coordination of a single phosphine, aminophosphine or phosphite onto a Ru(tpy)(bpy)²⁺ core

DIXON I.M., LEBON E., LOUSTAU G., SUTRA P., VENDIER L., IGAU A., JURIS A.

Dalton Trans., 2008, pp. 5627-5635 (LCC-7909).

Diphosphine sulfides derived from 2,2-biphosphole: novel chiral S,S ligands for palladium-catalyzed asymmetric allylic substitution

ROBE E., PERLIKOWSKA W., LEMOINE C., DIAB L., VINCENDEAU S., MIKOLAJCZYK M., DARAN J.-C., GOUYGOU M.

Dalton Trans., 2008, **21**, pp. 2894-2898 (LCC-9349).

Properties of membranes containing semi-dispersed carbon nanotubes
BRUNET L., LYON D.Y., ZODROW K., ROUCH J.-C., CAUSSAT B., SERP P., REMIGY J.-C.,
WIESNER M.R., ALVAREZ P.J.J.

Environ. Eng. Sci., 2008, **25**, pp. 565-576 (LCC-9380).

Developing the Kharasch reaction in aqueous media : dinuclear group 8 and 9 catalysts containing the
ridging cage ligand tris(1,2-dimethylhydrazino)-diphosphane
DIAZ-ALVAREZ A.E., CROCHET P., ZABLOCKA M., DUHAYON C., CADIerno V., MAJORAL
J.-P.

Eur. J. Inorg. Chem., 2008, pp. 786-794 (LCC-7880).

A tetragonal core with asymmetric iron environments supported solely by bis(μ -OH) { μ -(O-H...O)}
bridging and terminal pyridine amide (N,O) coordination: a new member of the tetrairon(III) family
SINGH A.K., JACOB W., BOUDALIS A.K., TUCHAGUES J.-P., MUKHERJEE R.

Eur. J. Inorg. Chem., 2008, pp. 2820 - 2829 (LCC-7889).

An atropo-stereogenic diphosphane ligand with a proximal cationic charge: specific catalytic properties
of a palladium complex thereof

CANAC Y., DEBONO N., DUHAYON C., CHAUVIN R.

Eur. J. Inorg. Chem., 2008, pp. 2991-2999 (LCC-7884).

Heterometallic M_2Cr_4 ($M^{II} = Sr, Pb$) clusters assembled by Tris(μ -aqua) bridges

NOVITCHI G., CIORNEA V., SHOVA S., GULEA A., COSTES J.-P., POWELL A.K.

Eur. J. Inorg. Chem., 2008, **11**, pp. 1778 - 1783 (LCC-8399).

The antimalarial artemisone is an efficient heme alkylating agent

BOUSEJRA-EL GARAH F., MEUNIER B., ROBERT A.

Eur. J. Inorg. Chem., 2008, **13**, pp. 2133 - 2135 (LCC-9085).

N-phosphanylformamidines (phosfam) $R_2'N-C(H)=N-PR_2$: one-pot synthesis and versatile protonation
reaction

LE T. D., WEYLAND M.-C., EL-HAROUCHE Y., ARQUIER D., VENDIER L., MIQUEU K.,
SOTIROPOULOS J.-M., BASTIN S., IGAU A.

Eur. J. Inorg. Chem., 2008, **16**, pp. 2577-2583 (LCC-9457).

N-Phosphanylformamidines (phosfam) $R_2'N-C(H)=N-PR_2$: one-pot synthesis and versatile protonation
reaction

LE T. D., WEYLAND M.-C., EL-HAROUCHE Y., ARQUIER D., VENDIER L., MIQUEU K.,
SOTIROPOULOS J.-M., BASTIN S., IGAU A.

Eur. J. Inorg. Chem., 2008, **16**, pp. 2577-2583 (LCC-8265).

Reactivity of phosphine-imidazolium salts toward $[Ir(COD)Cl]_2$: preparation of new hydrido iridium(III)
complexes bearing abnormal carbenes

WOLF J., LABANDE A., DARAN J.-C., POLI R.

Eur. J. Inorg. Chem., 2008, **19**, pp. 3024-3030 (LCC-9337).

Di- or trinuclear 3d-4f schiff base complexes: the role of anions

COSTES J.-P., DONNADIEU B., GHEORGHE R., NOVITCHI G., TUCHAGUES J.-P., VENDIER L.

Eur. J. Inorg. Chem., 2008, **33**, pp. 5235 - 5244 (LCC-8404).

Preparation of new bis(8-aminoquinoline) ligands and comparison with bis(8-hydroxyquinoline) ligands
on their ability to chelate Cu^{II} and Zn^{II}

DERAEVE C., MARAVAL A., VENDIER L., FAUGEROUX V., PITIE M., MEUNIER B.

Eur. J. Inorg. Chem., 2008, **36**, pp. 5622 - 5631 (LCC-9090).

Influence of the copper coordination geometry on the DNA cleavage activity of Clip-Phen complexes
studied by DFT

DE HOOG P., LOUWERSE M.J., GAMEZ P., PITIE M., BAERENDS E.J., MEUNIER B., REEDIJK J.

Eur. J. Inorg. Chem., 2008, **4**, pp. 612 - 619 (LCC-9083).

Synthesis of "trioxaquantel" derivatives as potential new antischistosomal drugs
LAURENT S., BOISSIER J., COSLEDAN F., GORNITZKA H., ROBERT A., MEUNIER B.
Eur. J. Org. Chem., 2008, pp. 895 - 913 (LCC-8391).

Chiral diphosphite-modified rhodium(0) nanoparticles : catalyst reservoir for styrene hydroformylation
AXET R., CASTILLON S., CLAVER C., PHILIPPOT K., LECANTE P., CHAUDRET B.
Eur. J. Org. Chem., 2008, pp. 3460 -3466 (LCC-7900).

The intricate assembling of *gem*-diphenylpropargylic units
MARAVAL V., DUHAYON C., COPPEL Y., CHAUVIN R.
Eur. J. Org. Chem., 2008, **30**, pp. 5144-5156 (LCC-9389).

Magnetic properties of CoNRhM nanoparticles: experiment and theory
MUNOZ-NAVIA M., DORANTES-DAVILA J., ZITOUN D., AMIENS C., CHAUDRET B., CASANOVE M.-J., LECANTE P., JAOUEN N., ROGALEV A., RESPAUD M., PASTOR G.M.
Faraday Discuss., 2008, **138**, pp. 181 - 192 (LCC-9141).

Iron chelates: a challenge to chemists and Mössbauer spectroscopists
HOMONNAY Z., SZILAGYI P., VERTES A., KUZMANN E., SHARMA V.K., MOLNAR G., BOUSSEKSOU A., GRENECHE J.-M., BRAUSAM A., MEIER R., VAN ELDIK R.
Hyperfine Inter., 2008, **182**, pp. 77 - 86 (LCC-9118).

X-ray magnetic circular dichroism studies of FeRh nanoparticles
SMEKHOVA A., CIUCULESCU E.-D., LECANTE P., WILHELM F., AMIENS C., ROGALEV A., CHAUDRET B.
IEEE Transactions on Magnetics, 2008, **44**, pp. 2776 - 2779 (LCC-9146).

Tetranuclear [$\{\text{Ni}(\text{HL}^3)\}_2\{\text{W}(\text{CN})_8\}_2$] square: a case of antiferromagnetic ($\text{Ni}^{\text{II}} \text{W}^{\text{V}}$) interactions
VENKATAKRISHNAN T.S., DESPLANCHES C., RAJAMANI R., GUIONNEAU PH., DUCASSE L., RAMASESHA S., SUTTER J.-P.
Inorg. Chem., 2008, **47**, pp. 4854 - 4860 (LCC-7888).

Synthesis and coordination chemistry of ferrocenyl-1,2,3-triazolyl ligands
BADECHE S., DARAN J.-C., RUIZ J., ASTRUC D.
Inorg. Chem., 2008, **47**, pp. 4903-4908 (LCC-9339).

Heteroleptic copper(I) complexes coupled with methano[60]fullerene: synthesis, electrochemistry, and photophysics
LISTORTI A., ACCORSI G., RIO Y., ARMAROLI N., MOUDAM O., GEGOUT A., DELAVALUX-NICOT B., HOLLER M., NIERENGARTEN J.-F.
Inorg. Chem., 2008, **47**, pp. 6254 - 6261 (LCC-7910).

Di- and Triheteronuclear Cu-Gd and Cu-Gd-Cu complexes with dissymmetric double bridge
CHIBOUB FELLAH F.Z., COSTES J.-P., DAHAN F., DUHAYON C., GHENADIE N., TUCHAGUES J.-P., VENDIER L.
Inorg. Chem., 2008, **47**, pp. 6444 -6451 (LCC-7891).

Bonding mode of a bifunctional P-Si-H ligand in the ruthenium complex " $\text{Ru}(\text{PPh}_2\text{CH}_2\text{OSiMe}_2\text{H})_3$ "
MONTIEL-PALMA V., PIECHACZYK O., PICOT A., AUFRANT A., VENDIER L., LE FLOCH P., SABO-ETIENNE S.
Inorg. Chem., 2008, **47**, pp. 8601 - 8603 (LCC-8393).

Reversible core-interconversion of an iron(III) dihydroxo bridged complex
BOUDALIS A.K., CLEMENTE-JUAN J.M., DONNADIEU B., DAHAN F., PSYCHARIS V., RAPTOPOULOU C.P., SANAKIS Y., TUCHAGUES J.-P.
Inorg. Chem., 2008, **47**, pp. 11314-11323 (LCC-9324).

$\text{Fe}_2\text{OCL}_6^{2-}$ -salt formed by electrochemical oxidation of ethylenedioxytetrafulvalenoquinone
-1,3-dithiolemethide in the presence of FeCl_4^- ion with a silicon wafer electrode
KOIKE T., YOKOTA S., FUJIWARA H., SUGIMOTO T., NOGUCHI S., DE CARO D., VALADE L.
Inorg. Chem. Commun., 2008, **47**, pp. 7074 - 7076 (LCC-8152).

Comparative investigations on a series of [hexakis(1-(tetrazol-1-yl)alkane-N4)iron(II)] bis(tetrafluoroborate) spin crossover complexes: methyl- to butyl-substituted species
HASSAN N., WEINBEGER P., WERNER F., MEREITER K., MOLNAR G., BOUSSEKSOU A., LINERT W.

Inorg. Chim. Acta, 2008, **361**, pp. 1291 - 1297 (LCC-8924).

Synthesis, spectroscopic, structural and electrochemical studies of carboxyl substituted 1,4-naphthoquinones

BOUDALIS A.K., POLICAND X., SOURNIA-SAQUET A., DONNADIEU B., TUCHAGUES J.-P.

Inorg. Chim. Acta, 2008, **361**, pp. 1681 - 1688 (LCC-8400).

Enantiopure platinum(II) complexes with chiral diphosphine and diphosphinite ligands derived from 2,2-biphosphole: synthesis, crystal structure and catalysis

ROBE E., HEGEDUS C., BAKOS J., COPPEL Y., DARAN J.-C., GOUYGOU M.

Inorg. Chim. Acta, 2008, **361**, pp. 1861-1867 (LCC-9340).

Octanuclear (Co₆W₂) aggregate versus mixed valence (Co)₃ cluster in the assembling of Co(phen)₂Cl₂ (phen = 1,10-phenanthroline) with octacyano metallates: a case of non-isostructurality between (W(CN)₈)⁴⁻ and (Nb(CN)₈)⁴⁻

VENKATAKRISHNAN T.S., IMAZ I., SUTTER J.-P.

Inorg. Chim. Acta, 2008, **361**, pp. 3710 -3713 (LCC-7902).

Ruthenium nanoparticles inside porous [Zn₄O(bdc)₃] by hydrogenolysis of adsorbed [Ru(cod)(cot)]: a solid state reference system for surfactant stabilized ruthenium colloids

SCHRODER F., ESKEN D., COKOJA M., VAN DEN BERG M.W.E., LEBEDEV O., VAN TENDELOO G., WALASZEK B., BUNTKOWSKY G., LIMBACH H.-H., CHAUDRET B., FISCHER R.A.

J. Am. Chem. Soc., 2008, **130**, pp. 6119 - 6130 (LCC-9143).

Diaminocarbene and phosphonium ylide ligands: A systematic comparison of their donor character

CANAC Y., LEPETIT C., ABDALILAH M., DUHAYON C., CHAUVIN R.

J. Am. Chem. Soc., 2008, **130**, pp. 8406 - 8413 (LCC-7882).

Single-laser-shot-induced complete bidirectional spin transition at room temperature

COBO S., OSTROVSKII D., BONHOMMEAU S., VENDIER L., MOLNAR G., SALMON L., TANAKA K., BOUSSEKSOU A.

J. Am. Chem. Soc., 2008, **130**, pp. 9019 - 9024 (LCC-8753).

Pd(I) phosphine carbonyl and hydride complexes implicated in the palladium-catalyzed oxo process

BAYA M., HOUGHTON J., KONYA D., DARAN J.-C., ALMEIDA LENERO K., SCHOON L., MUL W.P., OORT A.B.V., MEIJBOOM N., DRENT E., ORPEN A.G., POLI R.

J. Am. Chem. Soc., 2008, **130**, pp. 10612-10624 (LCC-9342).

A stable anionic N-heterocyclic carbene and its zwitterionic complexes

CESAR V., LUGAN N., LAVIGNE G.

J. Am. Chem. Soc., 2008, **130**, pp. 11286 -11287 (LCC-7892).

A terminal borylene ruthenium complex: from B-H activation to reversible hydrogen release

ALCARAZ G., HELMSTEDT U., CLOT E., VENDIER L., SABO-ETIENNE S.

J. Am. Chem. Soc., 2008, **130**, pp. 12878 - 12879 (LCC-9228).

²H solid-state NMR of ruthenium complexes

WALASZEK B., ADAMCZYK A., PERY T., YEPING X., GUTMANN T., DE SOUSA AMADEU N., ULRICH S., BREITZKE H., VIETH H.M., SABO-ETIENNE S., CHAUDRET B., LIMBACH H.-H., BUNTKOWSKY G.

J. Am. Chem. Soc., 2008, **130**, pp. 17502 - 17508 (LCC-8402).

High-field and low-field magnetoresistances of CoFe nanoparticles elaborated by organometallic chemistry

TAN R.P., CARREY J., RESPAUD M., DESVAUX C., RENAUD P., CHAUDRET B.

J. Appl. Phys., 2008, **103**, pp. 07F317 (LCC-9142).

Ultrasmall iron nanoparticles: effect of size reduction on anisotropy and magnetization
LACROIX L.-M., LACHAIZE S., FALQUI A., BLON T., CARREY J., RESPAUD M., DUMESTRE F.,
AMIENS C., MARGEAT O., CHAUDRET B., LECANTE P., SNOECK E.
J. Appl. Phys., 2008, **103**, pp. 07D521-1 - 521-3 (LCC-8873).

DNA cleavage and binding selectivity of a heterodinuclear Pt-Cu(3-Clip-Phen) complex
DE HOOG P., PITIE M., AMADEI G., GAMEZ P., MEUNIER B., KISSEL T., REEDIJK J.
J. Biol. Inorg. Chem., 2008, **13**, pp. 575 - 586 (LCC-9088).

Long-range charge transport through double-stranded DNA mediated by manganese or iron porphyrins
MAKARSKA M., PRATVIEL G.
J. Biol. Inorg. Chem., 2008, **13**, pp. 973 - 979 (LCC-7895).

Folding of the prion peptide GGGTHSQW around the Cu(II) ion: identifying the oxygen donor ligand at
neutral pH and probing the proximity of the tryptophan residue to the copper ion
HUREAU C., MATHE C., FALLER P., MATTIOLI T.A., DORLET P.
J. Biol. Inorg. Chem., 2008, **13**, pp. 1055-1064 (LCC-8074).

Electrochemical properties and electronic structures of two neutral nickel bis(1,2-dithiolene) complexes
SOURNIA-SAQUET A., GARREAU DE BONNEVAL B., CHANE-CHING K.I., VALADE L.
J. Electroanal. Chem., 2008, **624**, pp. 84 - 90 (LCC-8397).

Evaluation of senegalese plants used in malaria treatment: focus on *Chrozophora senegalensis*
BENOIT-VICAL F., NJOMNANG-SOH P., SALERY M., HARGUEM L., POUPAT C.,
NONGONIERMA R.
J. Ethnopharmacol., 2008, **116**, pp. 43 - 48 (LCC-9079).

On the photomagnetic properties of the binuclear spin crossover complexes {[Fe(bt)(NCSe)₂]₂(bpym)}
and {[Fe(bpym)(NCSe)₂]₂(bpym)}
OULD-MOUSSA N., MOURI S., MOLNAR G., TANAKA K., REAL J.A., BOUSSEKSOU A.
J. Inorg. Organomet. Polym., 2008, **18**, pp. 195-200 (LCC-7846).

3000% high-field magnetoresistance in super-lattices of CoFe nanoparticles
TAN R.P., CARREY J., RESPAUD M., DESVAUX C., RENAUD P., CHAUDRET B.
J. Magn. Magn. Mater., 2008, **320**, pp. L55 - L59 (LCC-9140).

Formation of nanocomposites of platinum nanoparticles embedded into heavily fluorinated aniline and
displaying long range organization
TRISTANY M., MORENO-MANAS M., PLEIXATS R., CHAUDRET B., PHILIPPOT K.,
DIEUDONNE P., LECANTE P.
J. Mater. Chem., 2008, **18**, pp. 660-666 (LCC-7844).

Organotin chemistry for the preparation of fullerene-rich nanostructures
DELAVAUUX-NICOT B., KAESER A., HAHN U., GEGOUT A., BRANDLI P.-E., DUHAYON C.,
COPPEL Y., SAQUET A., NIERENGARTEN J.-F.
J. Mater. Chem., 2008, **18**, pp. 1547 -1554 (LCC-8405).

Copper nanoparticles and organometallic chemical liquid deposition (OMCLD) for substrate
metallization
BARRIERE C., ALCARAZ G., MARGEAT O., FAU P., QUOIRIN J. B., ANCEAU C., CHAUDRET
B.
J. Mater. Chem., 2008, **18**, pp. 3084 - 3086 (LCC-7907).

Binding of the tautomeric forms of isoniazid-NAD adducts to the active site of the *Mycobacterium*
tuberculosis enoyl-ACP reductase (InhA): a theoretical approach
STIGLIANI J.-L., ARNAUD P., DELAINE T., BERNARDES-GENISSON V., MEUNIER B.,
BERNADOU J.
J. Mol. Graphics Modell., 2008, **27**, pp. 536 - 545 (LCC-9089).

The influence of solvent polarity on spectroscopic properties of 5-[4-(5-carboxy-1-butoxy)-phenyl]-10,15,20-tris(4-N-methylpyridiniumyl)porphyrin and its complexes with Fe(III) and Mn(III) ions
MAKARSKA-BIALOKOZ M., PRATVIEL G., RADZKI S.

J. Mol. Struct., 2008, **875**, pp. 468 - 477 (LCC-9087).

DFT study of the structure and IR spectra of G^1 model compound built from cyclotriphosphazene core
FURER V.L., VANDYUKOVA I.I., MAJORAL J.-P., CAMINADE A.-M., KOVALENKO V.I.

J. Mol. Struct., 2008, **875**, pp. 587-593 (LCC-7881).

Molecular structure and IR spectra of G^1 generation phosphorus dendrimer built from cyclophosphazene core with terminal phenoxy groups by DFT calculations

FURER V.L., VANDYUKOVA I.I., PADIE C., MAJORAL J.-P., CAMINADE A.-M., KOVALENKO V.I.

J. Mol. Struct., 2008, **886**, pp. 1 - 8 (LCC-7898).

Synthesis, characterization and crystal structures of two new platinum complexes with planar chiral 1,2-disubstituted ferrocenes containing phosphine and thioether donor groups

MALACEA R., MANOURY E., DARAN J.-C., POLI R.

J. Mol. Struct., 2008, **890**, pp. 249-254 (LCC-9347).

Optically active cyclopentadienyl and indenyl ligands obtained from lactic acid esters

LAI R., CHANON F., ROUSSEL C., SANZ M., VANTHUYNE N., DARAN J.-C.

J. Organomet. Chem., 2008, **693**, pp. 23-32 (LCC-9327).

N-functionalised heterocyclic dicarbene complexes of silver: synthesis and structural studies

JEAN-BAPTISTE DIT DOMINIQUE F., GORNITZKA H., HEMMERT C.

J. Organomet. Chem., 2008, **693**, pp. 579 - 583 (LCC-9080).

Synthesis, crystal structure and spectroscopic characterization of boronate derivatives of salicylideneiminophenols with nonlinear optical properties

MUNOZ B.M., SANTILLAN R., RODRIGUEZ M., MENDEZ J.M., ROMERO M., FARFAN N., LACROIX P.G., NAKATANI K., RAMOS-ORTIZ G., MALDONADO J.L.

J. Organomet. Chem., 2008, **693**, pp. 1321 - 1334 (LCC-9124).

Palladium and platinum complexes with planar chiral 1,2-disubstituted ferrocenes containing phosphine and thioether donor groups

MALACEA R., ROUTABOUL L., MANOURY E., DARAN J.-C., POLI R.

J. Organomet. Chem., 2008, **693**, pp. 1469-1477 (LCC-9329).

A review on molecule-based conductors electrodeposited as thin films on silicon wafers

DE CARO D., MALFANT I., SAVY J.-P., VALADE L.

J. Phys. - Condens. Matter, 2008, **20**, p. 184012 (LCC-8148).

Direct evaluations of cyclic contributions to the electronic energy of conjugated hydrocarbons from strongly localized zeroth-order pictures

MALRIEU J.-P., GICQUEL M., FOWLER P.W., LEPETIT C., HEULLY J.L., CHAUVIN R.

J. Phys. Chem. A, 2008, **112**, pp. 13203-13214 (LCC-9387).

Temperature and pressure effects on the spin state of ferric ions in the [Fe(sal₂-trien)][Ni(dmit)₂] spin crossover complex

SZILAGYI P., DORBES S., MOLNAR G., REAL J.A., HOMONNAY Z., FAULMANN C., BOUSSEKSOU A.

J. Phys. Chem. Solids, 2008, **69**, pp. 2681 - 2686 (LCC-9113).

Polypeptides with pendant porphyrins of defined sequence of chromophores: towards artificial photosynthetic systems

AZIAT F., REIN R., PEON J., RIVERA E., SOLLADIE N.

J. Porph. Phtal., 2008, **12**, pp. 1232 - 1241 (LCC-9133).

Bis-porphyrins tweezers: rigid or flexible linkers for better adjustment of the cavity to bidentate bases of various size

SOLLADIE N., AZIAT F., BOUATRA S., REIN R.

J. Porph. Phtal., 2008, **12**, pp. 1250 - 1260 (LCC-9134).

Development of new cationic dendrimers analogs to galactosylceramide as "nanocarriers"

PEREZ-ANES A., BLANZAT M., TURRIN C.-O., RICO-LATTES I., CAMINADE A.-M., MAJORAL J.-P.

Jorn. Com. Esp. Deterg., 2008, **38**, pp. 79-89 (LCC-9358).

Synthese de dendrimeres phosphores a extremités phenoxy ou phenoxy deuterie et caracterisation comparative

PADIE C., TURRIN C.-O., CAMINADE A.-M., MAJORAL J.-P., FURER V.L., VANDUKOVA I.I., KOVALENKO V.I.

Journ. Chim. Russe, 2008, **52**, pp. 92 - 97 (LCC-7901).

Palladium(0) nanoparticles stabilized by phosphorus dendrimers containing coordinating 15-membered triolefinic macrocycles in periphery

BADETTI E., CAMINADE A.-M., MAJORAL J.-P., MORENO-MANAS M., SEBASTIAN R.M.

Langmuir, 2008, **24**, pp. 2090-2101 (LCC-7877).

Characterization of two series of nitrogen-containing dendrimers by natural abundance ¹⁵N NMR

DELONCLE R., COPPEL Y., REBOUT C., MAJORAL J.-P., CAMINADE A.-M.

Magn. Reson. Chem., 2008, **46**, pp. 493 - 496 (LCC-8421).

Concentration and purification by magnetic separation of the erythrocytic stages from all human Plasmodium species

RIBAUT C., BERRY A., CHEVALLEY S., REYBIER K., MORLAIS I., PARZY D., NEPVEU F., BENOIT-VICAL F., VALENTIN A.

Malaria Journal, 2008, **7**, p. 45 (LCC-9086).

Preparation and characterization of nanostructured MWCNT-TiO₂ composite materials for photocatalytic water treatment applications

WANG W., SERP P., KALCK PH., GOMES SILVA C., FARIA J.L.

Mater. Res. Bull., 2008, **43**, pp. 958 - 967 (LCC-7885).

Magnetic configurations of 30 nm iron nanocubes studied by electron holography

SNOECK E., GATEL C., LACROIX L.-M., BLON T., LACHAIZE S., CARREY J., RESPAUD M., CHAUDRET B.

Nano Lett., 2008, **8**, pp. 4293 - 4298 (LCC-9145).

Detection of TNT using sensitive two-photon organic dendrimer for remote sensing

NAYRANAN A., VARNAVSKI O., MONGIN O., MAJORAL J.-P., BLANCHARD-DESCE M., GOODSON T.

Nanotechnol., 2008, **19**, art. n°115502 (LCC-9231).

Metal swap between Zn⁷-metallothionein-3 and amyloid-β-Cu protects against amyloid -β toxicity

MELONI G., SONOIS V., DELAINE T., GUILLOREAU L., GILLET A., TEISSIE J., FALLER P., VASAK M.

Nat Chem Biol., 2008, **4**, pp. 366 - 372 (LCC-8422).

Synthesis and electronic properties of fullerene derivatives substituted with oligophenylenevinylene-ferrocene conjugates

FIGUEIRA DUARTE T.M., RIO Y., LISTORTI A., DELAVALUX-NICOT B., HOLLER M., MARCHIONI F., CERONI P., ARMAROLI N., NIERENGARTEN J.-F.

New J. Chem., 2008, **32**, pp. 54-64 (LCC-7835).

Large photoactive supramolecular ensembles prepared from C₆₀-pyridine substrates and multi-Zn(II)-porphyrin receptors

TRABOLSI A., URBANI M., DELGADO DE LA CRUZ J.L., AJAMAA F., ELHABIRI M., SOLLADIE N., NIERENGARTEN J.-F., ALBRECHT-GARY A.-M.

New J. Chem., 2008, **32**, pp. 159-165 (LCC-7836).

A single molecule magnet (SMM) with a helicate structure

NOVITCHI G., COSTES J.-P., TUCHAGUES J.-P., VENDIER L., WERNSDORFER W.

New J. Chem., 2008, **32**, pp. 197-200 (LCC-7866).

Lithium ion as growth-controlling agent of ZnO nanoparticles prepared by organometallic synthesis

GLARIA A., KAHN M.L., CARDINAL T., SENOCQ F., JUBERA V., CHAUDRET B.

New J. Chem., 2008, **32**, pp. 662 - 669 (LCC-8423).

Amyloid fibrils : modulation of formation and structure by copper

PRADINES V., JURCA STROIA A., FALLER P.

New J. Chem., 2008, **32**, pp. 1189 - 1194 (LCC-7896).

AFM and TEM image of phenylacetylene polymerization on Rh/PVP colloidal nanoparticles

KOPACZYNSKA M., FUHRHOP J.H., TRZECIAK A.M., ZIOLKOWSKI J.J., CHOUKROUN R.

New J. Chem., 2008, **32**, pp. 1509-1512 (LCC-9384).

Cationic and fluorescent "Janus" dendrimers

FUCHS S., PLA-QUINTANA A., MAZERES S., CAMINADE A.-M., MAJORAL J.-P.

Org. Lett., 2008, **10**, pp. 4751 - 4754 (LCC-9232).

On the origin of α - and β -agostic distortions in early-transition-metal alkyl complexes

PANTAZIS D.A., MCGRADY J.E., BESORA M., MASERAS F., ETIENNE M.

Organometallics, 2008, **27**, pp. 1128 - 1134 (LCC-8425).

Synthesis and reactivity of ruthenium arene complexes incorporating novel Ph₂PCH₂CH₂BR₂ ligands.

Easy access to the four-membered ruthenacycle [(*p*-cymene)RuCl(*k*C,^P-CH₂CH₂PPh₂)]

VERGNAUD J., GRELLIER M., BOUHADIR G., VENDIER L., SABO-ETIENNE S., BOURISSOU D.

Organometallics, 2008, **27**, pp. 1140 - 1146 (LCC-8426).

New insight into the reactivity of pyridine-functionalized phosphine complexes of Ru(II) with respect to olefin metathesis and transfer hydrogenation

MOTHES E., SENTETS S., LUQUIN M. A., MATHIEU R., LUGAN N., LAVIGNE G.

Organometallics, 2008, **27**, pp. 1193 - 1206 (LCC-7912).

Synthesis of dendrimers terminated by bis(diphenylphosphinomethyl)amino ligands and use of their palladium complexes for catalyzing C-C cross-coupling reactions

SERVIN P., LAURENT R., ROMEROSA A., PERUZZINI M., MAJORAL J.-P., CAMINADE A.-M.

Organometallics, 2008, **27**, pp. 2066 - 2073 (LCC-8427).

Directed formation of allene complexes upon reaction of non-heteroatom-substituted manganese alkynyl carbene complexes with nucleophiles

SENTETS S., SERRES R., ORTIN Y., LUGAN N., LAVIGNE G.

Organometallics, 2008, **27**, pp. 2078 - 2091 (LCC-7913).

Oxidation of thiophene derivatives with H₂O₂ in acetonitrile catalyzed by [Cp*₂M₂O₅] (M = Mo, W): a kinetic study

CICLOSI M., DINOI C., GONSALVI L., PERUZZINI M., MANOURY E., POLI R.

Organometallics, 2008, **27**, pp. 2281-2286 (LCC-9332).

Routes to new N-heterocyclic carbene Titanium(IV) imido complexes

LORBER C., VENDIER L.

Organometallics, 2008, **27**, pp. 2774 - 2783 (LCC-7914).

Synthesis and protonation studies of Cp*Os(dppe)H: kinetic vs thermodynamic control
DUB P.A., BELKOVA N.V., LYSENKO K.A., SILANTYEV G.A., EPSTEIN L.M., SHUBINA E.S.,
DARAN J.-C., POLI R.

Organometallics, 2008, **27**, pp. 3307-3311 (LCC-9338).

A new perfluorinated F₂₁-Tp scorpionate ligand: enhanced alkane functionalization by carbene insertion
with (F₂₁-Tp)M catalysts (M = Cu, Ag)

DESPAGNET-AYOUB E., KANE J., VENDIER L., ETIENNE M., ALVAREZ E., CABALLERO A.,
DIAZ-REQUEJO M., PEREZ P. J.

Organometallics, 2008, **27**, pp. 4779 - 4787 (LCC-7905).

Reactivity of B(C₆F₅)₃ with simple early-transition metal alkoxides: alkoxide-aryl exchange, THF ring-
opening or acetonitrile CC coupling

LORBER C., CHOUKROUN R., VENDIER L.

Organometallics, 2008, **27**, pp. 5017 - 5024 (LCC-8134).

Access to ruthenium(0) carbonyl complexes via dehydrogenation of a tricyclopentylphosphine ligand and
decarbonylation of alcohols

BOLTON P., GRELLIER M., VAUTRAVERS N., VENDIER L., SABO-ETIENNE S.

Organometallics, 2008, **27**, pp. 5088 - 5093 (LCC-7802).

Generation of η^1 - α -phosphinocarbene complexes and their evolution: new light on relevant
isomerization pathways

VALYAEV D.A., LUGAN N., LAVIGNE G., USTYNYUK N.A.

Organometallics, 2008, **27**, pp. 5180 - 5183 (LCC-8279).

Quantifying the donor-acceptor properties of carbon monoxide and its *carbo*-mer using ELF analysis

DUCERE J.-M., LEPETIT C., SILVI B., CHAUVIN R.

Organometallics, 2008, **27**, pp. 5263-5272 (LCC-9388).

Thiazolyl phosphine ligands for copper-catalyzed arylation and vinylation of nucleophiles in organic and
aqueous media

OSHOVSKY G.V., OUALI A., XIA N., ZABLOCKA M., BOERE R.T., DUHAYON C., TAILLEFER
M., MAJORAL J.-P.

Organometallics, 2008, **27**, pp. 5733 - 5736 (LCC-8389).

Removal of metal-metal bonding in a dimetallic paddlewheel complex - molecular and electronic
structure of bis(phenyl) dirhodium(III) carboxamidate compounds

WOLF J., POLI R., XIE J.-H., NICHOLS J.M., XI B., ZAVALIJ P., DOYLE M.P.

Organometallics, 2008, **27**, pp. 5838-5845 (LCC-9350).

Aromaticity of ring *carbo*-mers of [N]annulenes and [N]cycloalkanes

SONCINI A., FOWLER P.W., LEPETIT C., CHAUVIN R.

Phys. Chem. Chem. Phys., 2008, **10**, pp. 957-964 (LCC-9385).

Carbo-[3] oxocarbon and its isomers: evaluation of the stability and of the electron delocalization

GICQUEL M., HEULLY J.L., LEPETIT C., CHAUVIN R.

Phys. Chem. Chem. Phys., 2008, **10**, pp. 3578-3589 (LCC-9386).

Metal-to-ligand and ligand-to-metal charge transfer in thin films of Prussian blue analogues investigated
by X-ray absorption spectroscopy

BONHOMMEAU S., PONTIUS N., COBO S., SALMON L., DE GROOT F.M.F., MOLNAR G.,
BOUSSEKSOU A., DURR H.A., EBERHARDT W.

Phys. Chem. Chem. Phys., 2008, **10**, pp. 5882 - 5889 (LCC-8274).

Relaxation of light-induced metastable states in the binuclear spin crossover system

MOURI S., OULD-MOUSSA N., BONHOMMEAU S., MOLNAR G., TANAKA K., BOUSSEKSOU
A.

Phys. Rev. B, Rapid Commun., 2008, **78**, pp. 174308 (LCC-9117).

Surface optical phonons as a probe of organic ligands on ZnO nanoparticles: an investigation using a dielectric continuum model and Raman spectrometry
CHASSAING P.M., DEMANGEOT F., PAILLARD V., ZWICK A., COMBE N., PAGES C., KAHN M.L., MAISONNAT A., CHAUDRET B.

Phys. Rev. B-Cond. Matt., 2008, **77**, p. 153306 (LCC-8424).

Cogniauxia podolaena/H. Baill. Zundt: bioassay-guided fractionation of defoliated stems, isolation of active compounds, antiplasmodial activity and cytotoxicity

BANZOUI J.T., NJOMNANG-SOH P., MBATCHI B., CAVE A., RAMOS S., RETAILLEAU P., RAKOTONANDRASANA O., BERRY A., BENOIT-VICAL F.

Planta Med., 2008, **12**, pp. 1453 -1456 (LCC-9091).

Girolline: a potential lead structure for antiplasmodial drug research

BENOIT-VICAL F., SALERY M., NJOMNANG-SOH P., AHOND A., POUPAT C.

Planta Med., 2008, **74**, pp. 438 - 444 (LCC-9081).

Copper (I/II) and cobalt (II) coordination chemistry of relevance to controlled radical polymerization processes

BAISCH U., POLI R.

Polyhedron, 2008, **27**, pp. 2175-2185 (LCC-9336).

Salicylaldoxime in manganese(III) carboxylate chemistry: synthesis, structural characterization and physical studies of hexanuclear and polymeric complexes

RAPTOPOULOU C.P., BOUDALIS A.K., LAZAROU K.N., PSYCHARIS V., PANOPOULOS N., FARDIS M., DIAMANTOPOULOS G., TUCHAGUES J.-P., MARI A., PAPAVALASSILOU G.C.

Polyhedron, 2008, **27**, pp. 3575 - 3586 (LCC-8395).

One laser shot induced complete phase transition in the spin crossover complex Fe(pyrazine)[Pt(CN)₄]

BONHOMMEAU S., MOLNAR G., COBO S., OSTROVSKII D., BOUSSEKSOU A.

Polyhedron, 2008, **28**, pp. 1610-1613 (LCC-9119).

Stabilization of nanoparticles by macromolecules combining phosphorus dendrimers and 15-membered triolefinic azamacrocycles

FRANC G., BADETTI E., MORENO-MANAS M., MAJORAL J.-P., SEBASTIAN R.M., CAMINADE A.-M.

Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.), 2008, **49(2)**, p. 808 (LCC-7897).

Synthesis and comparative characteristics of phosphorus-containing dendrimers with phenoxy or deuterophenoxy terminal groups

PADIE C., TURRIN C.-O., CAMINADE A.-M., MAJORAL J.-P., FURER V.L., VANDUKOVA I.I., KOVALENKO V.I.

Rossiiskii Khimicheskii Zhurnal - Russian Chemical Journal, 2008, **52**, pp. 100 - 106 (LCC-9233).

Synthesis and comparative characteristic of organophosphorus dendrimers with phenoxy and deuterophenoxy end groups

PADIE C., TURRIN C.-O., CAMINADE A.-M., MAJORAL J.-P., FURER V.L., VANDUKOVA I.I., KOVALENKO V.I.

Russ. J. Gen. Chem., 2008, **78**, pp. 2257 - 2264 (LCC-9234).

Photoconductivity of self-assembled ZnO nanoparticles synthesized by organometallic chemistry

CARREY J., CARRERE H., KAHN M.L., CHAUDRET B., MARIE X., RESPAUD M.

Semiconduct. Sci. Technol., 2008, **23**, pp. 025003/1-5 (LCC-7808).

Functional quantum-dot/dendrimer nanotubes for sensitive detection of DNA hybridization

FENG C.-L., ZHONG X., STEINHART M., CAMINADE A.-M., MAJORAL J.-P., KNOLL W.

Small, 2008, **4**, pp. 566 - 571 (LCC-8428).

Thin layers of new salt, BET-TTF[Ni(dmit)₂]₂, electrodeposited on silicon wafers

KOWALSKA A., SAVY J.-P., DE CARO D., VALADE L., VENDIER L., LAUKHINA E.E., ROVIRA C., ULANSKI J.

Solid State Sciences, 2008, **10**, pp. 1777 - 1779 (LCC-8396).

FTIR and FT-Raman spectra and DFT vibrational analysis of phosphorus-containing dendrons
FURER V.L., VANDYUKOVA I.I., VANDYUKOV A.E., MAJORAL J.-P., CAMINADE A.-M., KOVALENKO V.I.

Spectrochim. Acta. A, 2008, **71**, pp. 1110 - 1118 (LCC-8280).

An efficient protection of stainless steel against corrosion: combination of a conversion layer and titanium dioxide deposit

BAMOULID L., MAURETTE L., DE CARO D., GUENBOUR A., BEN BACHIR A., ARIES L., EL HAJAJI S., BENOIT-MARQUIE F., ANSART F.

Surf. Coat. Technol., 2008, **202**, pp. 5020 - 5026 (LCC-8149).

Synthesis of fullerene building blocks bearing alkyne or azide groups and their subsequent functionalization by the copper mediated Huisgen 1,3-dipolar cycloaddition

PEREIRA DE FREITAS R., IEHL J., DELAVALUX-NICOT B., NIERENGARTEN J.-F.

Tetrahedron, 2008, **64**, pp. 11409 - 11419 (LCC-8394).

Highly regioselective palladium-catalyzed methoxycarbonylation of styrene using chiral ferrocene- and biphosphole-based ligands

DIAB L., GOUYGOU M., MANOURY E., KALCK P., URRUTIGOITY M.

Tetrahedron Lett., 2008, **49**, pp. 5186-5189 (LCC-9343).

Thermal stability of the Fe(III)EDTA complex in its monomeric form

SZILAGYI P., MADARASZ J., KUZMANN E., VERTES A., MOLNAR G., BOUSSEKSOU A., SHARMA V.K., HOMONNAY Z.

Thermochim. Acta, 2008, **479**, pp. 53 - 58 (LCC-9116).

Bioactive multilayer thin films of charged N,N-disubstituted hydrazine phosphorus dendrimers fabricated by layer-by-layer self-assembly

HERNANDEZ-LOPEZ J.L., KHOR H.L., CAMINADE A.-M., MAJORAL J.-P., MITTLER S., KNOLL W., KIM D.H.

Thin Solid Films, 2008, **516**, pp. 1256-1264 (LCC-9235).

Solid state and gas phase NMR studies of immobilized catalysts and catalytic active nanoparticles

ADAMCZYK A., XU Y., WALASZEK B., ROELOFS F., PERY T., PELZER K., PHILIPPOT K., CHAUDRET B., LIMBACH H.-H., BREITZKE H., BUNTKOWSKY G.

Top. Catal., 2008, **48**, pp. 75 - 83 (LCC-8429).

Mechanisms of dipolar ortho/para-H₂O conversion in ice

BUNTKOWSKY G., LIMBACH H.-H., WALASZEK B., ADAMCZYK A., XU Y., BREITZKE H., SCHWEITZER D., GUTMANN T., WAECHTLER M., FRYDEL J., ELNMLER T., AMADEU N., TIETZE D., CHAUDRET B.

Z. Phys. Chem., 2008, **222**, pp. 1049 - 1064 (LCC-9144).

Articles parus dans des livres

Catalase activity of DiMn^{III} complexes with the [Mn₂(μ-O₂C₂H₃)(μ-OL)(μ-OX)]³⁺Core (L=polydentate ligand; X = CH₃ or OC₂H₃). Structural features that control catalysis

SIGNORELLA S., TUCHAGUES J.-P., MORENO D., PALOPOLI C.

In : *Inorganic biochemistry: Research progress*, J.G. Hughes, A.J. Robinson (Ed.), NOVA Science publishers, New York (U.S.A.), 2008, pp. 243-279, ISBN : 978-1-60456-708 (LCC-7911).

Iridium-catalyzed carbonylation of methanol

KALCK P., SERP P.

In : *Iridium complexes in organic synthesis*, Claver C., Oro L. (Eds), Wiley-VCH, Weinheim (Allemagne), 2008, pp. 191-205, ISBN : 978-3-527-31996 (LCC-9383).

Rhodium and ruthenium nanoparticles in catalysis

ROUCOUX A., NOWICKI A., PHILIPPOT K.

In : *Nanoparticles and Catalysis*, Astruc D. (Ed.), Wiley-VCH, Weinheim (Allemagne), 2008, pp. 349-388, ISBN : 978-3-527-31572 (LCC-9311).

Phosphorus-sulfur ligands

MALACEA R., MANOURY E.

In : *Phosphorus Ligands in Asymmetric Catalysis*, Borner A. (Ed.), Wiley-VCH, Weinheim (Allemagne), 2008, pp. 749-784, ISBN : 978-3-527-31746 (LCC-9351).

Brilliant organic nanodots: novel nano-objects for bionanophotonics

MONGIN O., ROUXEL C., ROBIN A.-C., PLA-QUINTANA A., KRISHNA T.R., RECHER G., TIAHO F., CAMINADE A.-M., MAJORAL J.-P., BLANCHARD-DESCE M.

In : *Proceedings of SPIE, E.M. Heckman, T.B. Singh, J. Yoshida* (Ed.), Spie Digital Library, Bellingham (U.S.A.), 2008, **7040**, p. 704006 (LCC-8392).

Quadratic nonlinear optical properties of tin-based coordination compounds

LACROIX P.G., FARFAN N.

In : *Tin chemistry - Fundamentals, frontiers and applications*, Davies G., Gielen M., Pannell K.H., Tiekink E.R.T. (Eds), Wiley & Sons, Chichester (G.B.), 2008, pp. 351 - 360, ISBN : 978-0-470-51771 (LCC-9123).