

Autor : Javier García Fernández
Título : “Biotransformaciones aplicadas a la síntesis industrial de monómeros precursores de oligonucleótidos antisense”
Fecha lectura: 12/03/04

Publicaciones

1.- García J.; Ferrero, M.; Fernández, S.; Gotor, V. *J. Org. Chem.* **2002**, *67*, 4513-4519. “Building blocks for the solution phase synthesis of oligonucleotides: Regioselective hydrolysis of 3’- and 5’-di-O-levulinicnucleosides using enzymatic approach”

2.- Garcia, J.; Fernández, S.; Ferrero, M.; Sanghvi, Y. S.; Gotor, V. *Nucleos. Nucleot. Nucl.* **2003**, *22*, 1445-1457. “Direct regioselective enzymatic acylation of nucleosides. Building blocks for the solution phase synthesis of oligonucleotides”

3.- García J.; Fernández, S.; Ferrero, M.; Sanghvi, Y. S.; Gotor, V. *Tetrahedron:Asymmetry* **2003**, *14*, 3533-3540. “Novel enzymatic synthesis of levulinyl protected nucleosides useful for solution phase synthesis of oligonucleotides”

4.- García J.; Fernández, S.; Ferrero, M.; Sanghvi, Y. S.; Gotor, V. *Tetrahedron Lett.* **2004**, *45*, 1709-1712 “Mild, efficient and regioselective enzymatic procedure for 5’-O-benzoylation of 2’-deoxynucleosides”

5°.- García J.; Fernández, S.; Ferrero, M.; Sanghvi, Y. S.; Gotor, V. *Org. Lett.*, **2004**, *6*, 3759-3762. “Study of regioselective enzymatic acylation of β -L-2’-deoxynucleosides: Application to resolution of β -D/L-2’-deoxynucleoside racemic mixtures”

6°.- García, J. Díaz Rodríguez, A., Fernández, S., Sanghvi, Y. S.; Ferrero, M.; Gotor, V, *J. Org. Chem.*, **2006**, *71*, 9765-9771. “A new concept for the separation of anomeric mixture of α/β - Δ nucleosides through regioselective enzymatic acylation or hydrolysis processes”

Autor: Dario Cuervo Rodríguez
Título: Síntesis, reactividad y actividad catalítica de complejos de rutenio y rodio conteniendo ligandos del tipo 2,6-bis(oxazolín-2-il)piridina(pybox)
Fecha lectura: 18/03/2004

Publicaciones

1.- Título: Rhodium(I) and Rhodium(III) Complexes Containing the Chiral Ligand 2,6-bis[4'-(*S*)-*i*Pr-oxazolin-2'-yl]pyridine (Pybox): An Unprecedented Monohapto Coordination of Pybox. Autores: D. Cuervo, Josefina Díez, M. Pilar Gamasa, S. García-Granda and José Gimeno. *Inorg. Chem.* **2002**, 4999

2.- Título: New Chiral ruthenium(II) catalysts containing 2,6-bis(4'-(*R*)-phenyloxazolin-2'-yl)pyridine (Ph-pybox) ligands for highly enantioselective transfer hydrogenation of ketones Autores: D. Cuervo, M. P. Gamasa, J. Gimeno. *Chem. Eur. J.* **2004**, 10, 425

3.- Título: One-pot stereoselective synthesis of organorhodium(III) complexes containing the chiral ligand 2,6-bis[4'-(*S*)-isopropylloxazolin-2'-yl]pyridine (*i*Pr-pybox) Autores: D. Cuervo, Josefina Díez, M. Pilar Gamasa* and José Gimeno *Organometallics* **2005**, 24, 2224.

4.- Título: Novel carbonyl-iridium and -rhodium complexes containing 2,6-bis[4'-(*S*)-isopropylloxazolin-2'-yl]pyridine (*i*Pr-pybox) and 2,6-bis[4'-(*S*)-phenyloxazolin-2'-yl]pyridine (Ph-pybox) Ligands. Autores: D. Cuervo, J. Díez, M. P. Gamasa, J. Gimeno, P. Paredes *Eur. J. Inorg. Chem.* **2006**, 599.

5.- Título: Rhodium(III) complexes containing the ligand 2,6-bis[4'-(*S*)-isopropylloxazolin-2'-yl]pyridine ((*S,S*)-*i*Pr-pybox): efficient catalysts for asymmetric hydrosilylation of acetophenone Autores: D. Cuervo, , M. P. Gamasa, J. Gimeno *J. Molec. Catal. A*, **2006**, 249, 60

Autor: M^a Antonia López Antón
Título: Retención de compuestos gaseosos de Hg, As y SE en sorbentes sólidos: Aplicación de la combustión y gasificación del carbón
Fecha lectura: 01/04/2004

Publicaciones

1.-AUTORES (p.o. de firma): M. Antonia López-Antón, Juan M.D. Tascón and M. Rosa Martínez Tarazona

TITULO: Retention of mercury in activated carbons in a coal combustion and gasification flue gases

REF. REVISTA/LIBRO *Fuel Processing Technology*

CLAVE: A Volumen: 77-78 Páginas, inicial: 353 Final:358 Fecha: **2002**

2.-AUTORES (p.o. de firma): Mercedes Díaz-Somoano, M. Antonia López-Antón and M. Rosa Martínez-Tarazona

TITULO: Determination of selenium by HG-ICP-MS in coal, fly ashes and sorbents used for flue gas cleaning

REF. REVISTA/LIBRO: *Fuel*

CLAVE: A Volumen: 83 Páginas, inicial:231 Final:235 Fecha: **2004**

3.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano, Ana B. García and M.R. Martínez-Tarazona

TITULO: Evaluation of mercury associations in coal using physical separation procedures

REF. REVISTA/LIBRO: *Fuel*

CLAVE: A Volumen:85 Páginas, inicial:1389 Final:1395 Fecha: **2006**

4.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano, D.A. Spears and M.R. Martínez-Tarazona

TITULO: Arsenic and selenium capture by fly ashes at low temperature

REF. REVISTA/LIBRO: *Environmental Science and Technology*

CLAVE: A Volumen:40 Páginas, inicial:3947 Final:3951 Fecha: **2006**

5.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano and M.R. Martínez-Tarazona

TITULO: Retention of elemental mercury in fly ashes in different atmospheres

REF. REVISTA/LIBRO: *Energy and Fuels*

CLAVE: A Volumen:21 Páginas, inicial:99 Final:103 Fecha: **2007**

6.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano and M.R. Martínez-Tarazona

TITULO: Mercury retention by fly ashes from coal combustion: Influence of the unburned coal content

REF. REVISTA/LIBRO: *Industrial & Engineering Chemistry Research*

CLAVE: A Volumen:46 Páginas, inicial:927 Final:931 Fecha: **2007**

7.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano, P. Abad-Valle and M.R. Martínez-Tarazona

TITULO: Mercury and selenium retention in fly ashes: Influence of unburned particle content REF.REVISTA/LIBRO: *Fuel*

CLAVE: A Volumen: 86 Páginas, inicial: 2064 Final:2070 Fecha: **2007**

8.-AUTORES (p.o. de firma): M.A. López-Antón, M. Díaz-Somoano, J.L.G. Fierro and M.R. Martínez-Tarazona

TITULO: Retention of arsenic and selenium compounds present in coal combustion and gasification flue gases using activated carbons

REF.REVISTA/LIBRO: *Fuel Processing Technology*

CLAVE: A Volumen:88 Páginas, inicial:799 Final:805 Fecha: **2007**

9.-AUTORES (p.o. de firma): M.A. López-Antón, P. Abad-Valle, M. Díaz-Somoano, I. Suárez-Ruiz and M.R. Martínez-Tarazona

TITULO: The influence of carbon particle type in fly ashes on mercury adsorption

REF.REVISTA/LIBRO: *Fuel* (aceptada)

CLAVE: A Volumen: Páginas, inicial: Final: Fecha: **2007**

Autor: Carlos Mateos Gutiérrez
Título: Síntesis en disolución y en fase sólida de heterociclos nitrogenados funcionalizados.
Fecha lectura: 28/05/2004

Publicaciones

1.- AUTORES (p.o. de firma): José Barluenga, Carlos Mateos, Fernando Aznar and Carlos Valdés.

TITULO : A straightforward and versatile synthetic approach to 1-azabicyclic alkaloids.

REF. REVISTA/LIBRO: *Journal of Organic Chemistry*, **2004**, 7114-7122.
CLAVE: A

2.- AUTORES (p.o. de firma): José Barluenga, Carlos Mateos, Fernando Aznar, Carlos Valdés.

TITULO Solid-Phase Synthesis of Polysubstituted Piperidines by Imino-Diels-Alder Cycloaddition of 2-Amino-1,3-butadienes with Solid-Supported Imines

REF. REVISTA/LIBRO: *Organic Letters*, **2002**, 4, 3667-3670. CLAVE: A

3.- AUTORES (p.o. de firma): José Barluenga, Carlos Mateos, Fernando Aznar, Carlos Valdés.

TITULO A concise and convergent route to 5,8-disubstituted indolizidine and 1,4-disubstituted quinolizidine ring cores by diastereoselective aza-Diels-Alder cycloadditions.

REF. REVISTA/LIBRO: *Organic Letters*, **2002**, 4, 1971-1974. CLAVE: A

Autor: Manuel Alejandro Fernández Hernández
Título: Enaminas y 2-Amino-1,3-Butadienos: Reacciones Imino-Diels-Alder y nuevos métodos de síntesis.
Fecha lectura: 15/06/2004

Publicaciones

- 1.- AUTORES (p.o. de firma): José Barluenga, M. Alejandro Fernández, Fernando Aznar, Carlos Valdés.
TITULO. Cascade Alkenyl Amination/Heck Reaction Promoted by a Bifunctional Palladium Catalyst: A Novel one-pot Synthesis of Indoles from o-Haloanilines and Alkenyl Halides
REF. REVISTA/LIBRO: *Chemistry, a European Journal*, **2005**, 11, 2276-2283
CLAVE: A
- 2.- AUTORES (p.o. de firma): José Barluenga, M. Alejandro Fernández, Fernando Aznar, Carlos Valdés.
TITULO Palladium catalyzed amination of vinyl chlorides: a new entry to imines, enamines and 2-amino-1,3-butadienes.
REF. REVISTA/LIBRO: *Chemical Communications*, **2004**, 1400-1401 CLAVE: A
- 3.- AUTORES (p.o. de firma): José Barluenga, M. Alejandro Fernández, Fernando Aznar, Carlos Valdés.
TITULO Palladium Catalyzed Cross-coupling Reaction of Amines with Alkenyl Bromides. A New Method for the Synthesis of Enamines and Imines
REF. REVISTA/LIBRO: *Chemistry, a European Journal*, **2004**, 10, 494-507.
CLAVE: A
- 4.- AUTORES (p.o. de firma): José Barluenga, M. Alejandro Fernández, Fernando Aznar, Carlos Valdés.
TITULO Catalytic imino-Diels-Alder reaction of 2-aminodienes: a simple entry into structurally diverse pipercolic acid derivatives
REF. REVISTA/LIBRO: *Tetrahedron Letters*, **2002**, 43, 8159-8163. CLAVE: A
- 5.- AUTORES (p.o. de firma): José Barluenga, M. Alejandro Fernández, Fernando Aznar, Carlos Valdés.
TITULO Novel method for the synthesis of enamines by palladium catalyzed amination of alkenyl bromides
REF. REVISTA/LIBRO: *Chemical Communications*, **2002**, 2362-2363. CLAVE: A

Autor: Yolanda Rodríguez Alvarez
Título: Complejos quirales de rutenio(II) conteniendo el ligando (-)N,N-bis (difenilfosfino)S-a-feniletilamina: Síntesis, reactividad y actividad catalítica y propiedades en óptica no lineal.
Fecha lectura: 23/07/2004

Publicaciones

- 1.- Título: (Alkenylalkylidene)(Indenyl)ruthenium(II) Complexes: Synthesis by protonation of Alkenyl Derivatives.
Autores K. Bieger, J. Díez, M.P. Gamasa, J. Gimeno, M. Pavlista, Y. Rodríguez-Álvarez, S. García-Granda, R. Santiago-García. *Eur. J. Inorg. Chem.* **2002**, 1647

- 2.- Título: Synthesis and Properties of the Indenyl Ruthenium(II) Complex [Ru(*E*)- η^1 -C(C \equiv CPh)=CHPh)(η^5 -C₉H₇)(κ^2 -*P*-dppm)] (dppm = bis(diphenylphosphino)methane. An Organometallic Intermediate in the Catalytic Dimerization of Phenylacetylene.
Autores: M. Bassetti, S. Marini, J. Díez, M.P. Gamasa, J. Gimeno, Y. Rodríguez-Álvarez, S. García-Granda. *Organometallics* **2002**, 21, 4815.

- 3.- Título: Five- and six-coordinate ruthenium(II) complexes containing the bidentate phosphine (-)-*N,N*-bis(diphenylphosphino)-(*S*)-1-phenylethylamine [(*S*)-peap]: X-ray crystal structure of the first 16 electron ruthenium complex bearing a four membered ring [RuCl{ κ^2 -*P,P*-(*S*)-peap}₂] [SbF₆] \cdot C₂H₄Cl₂
Autores: Josefina Díez, M. Pilar Gamasa, José Gimeno, Y. Rodríguez-Alvarez and Santiago García-Granda, *Eur. J. Inorg. Chem.* **2004**, 2078.

Autor: Laura Mariana Levy
Título: Preparación de compuestos bifuncionalizados de interés biológico por métodos enzimáticos.
Fecha lectura: 08/10/2004

Publicaciones

- 1.- Levy, L. M. Dehli, J. R.; Gotor, V. *Tetrahedron: Asymmetry* **2003**, *14*, 2053-2058.
“Lipase catalysed resolution of cyclic *cis* and *trans*- β -hydroxyesters”
- 2.-Lévy, L. M.; Gotor, V. *J. Org. Chem.* **2004**, *69*, 2601-2602.
“Synthesis and enzymatic kinetic resolution of α,α -disubstituted cyclic hydroxynitriles”
- 3.- Lévy, L. M.; de Gonzalo, G.; Gotor, V *Tetrahedron: Asymmetry* **2004**, *15*, 2051-2056.
“Resolution of *N*-protected *cis*- and *trans*-3-aminocyclohexanols via lipase catalyzed acylation in organic media”
- 4.- Lévy, L. M.; Lavandera, I.; Gotor, V. *Org. Biomol. Chem.* **2004**, 2572–2577.
“Is the ring conformation the most critical parameter in lipase-catalysed acylation of cycloalkanols?”

Autor: Iván Pérez Sánchez
Título: Complejos Carbeno de Fischer frente a nucleófilos: Desaromatización del sistema naftaleno, preparación de complejos bicarbena monoclares y síntesis selectiva de anillos de tres, cinco y seis eslabones.
Fecha Lectura: 18/10/2004

Publicaciones

- 1.- Three/Four/Five-Component Diastereoselective Cyclization of Fischer Carbene Complexes, Lithium Enolates, and Allylmagnesium Bromide
José Barluenga, Iván Pérez-Sánchez, Eduardo Rubio, Josefa Flórez *Angew. Chem. Int. Ed.* **2003**, 42, 5860
- 2.- (1*RS*,3*SR*,4*SR*)-3-Methoxy-1-methyl-5-methylene-3-phenyl-1,4-cyclohexanediol
Ángel Aguirre-Pérez, Iván Pérez-Sánchez, Santiago García-Granda *Acta Cryst.* **2004**, E60, o658
3. Diastereoselective Multicomponent Cyclizations of Fischer Carbene Complexes, Lithium Enolates, and Allylmagnesium Bromide Leading to Highly Substituted Five- and Six-Membered Carbocycles
José Barluenga, Iván Pérez-Sánchez, Marcos G. Suero, Eduardo Rubio, Josefa Flórez *Chem. Eur. J.* **2006**, 12, 7225
- 4.- Diastereoselective Cyclopropanation of Ketone Enols with Fischer Carbene Complexes
José Barluenga, Marcos G. Suero, Iván Pérez-Sánchez, Josefa Flórez *J. Am. Chem. Soc.* **2008**, 130, 2708
- 5.- Mononuclear Biscarbene Complexes by Direct Nucleophile Addition to a CO Ligand of Fischer Arylcarbene Complexes
José Barluenga, Andrés A. Trabanco, Iván Pérez-Sánchez, Raquel De la Campa, Josefa Flórez, Santiago García-Granda, Ángel Aguirre *Chem. Eur. J.* **2008**, en prensa

Autor: Mónica Huerta López

**Título: Procesos altamente selectivos promovidos por diioduro de samario:
Reacciones de Beta-eliminación, secuenciales y de Baylis-Hillman.**

Fecha lectura: 22/10/2004

1.- "Synthesis of (*E*)- α,β -Unsaturated esters and (*Z*)-Vinyl Halides with Total or High Diastereoselectivity by using Samarium Metal", J. M. Concellón, H. Rodríguez-Solla, M. Huerta, J. A. Pérez-Andrés, *Eur. J. Org. Chem.*, **2002**, 1839-1847.

2.- Synthesis of 2,3-dideuterioesters from 2-halo-3-hydroxyesters by using metallic samarium and diiodomethane", J. M. Concellón, M. Huerta, *Tetrahedron Lett.*, **2002**, 43, 4943-4946

3.- "Preparation of (*Z*)- α -chloro α,β unsaturated ketones with total or high diastereoselectivity", J. M. Concellón, M. Huerta, *Tetrahedron*, **2002**, 58, 7775-7780.

4.- "Synthesis of (*E*)- α,β -unsaturated ketones with total or high diastereoselectivity by using samarium diiodide or triiodide", J. M. Concellón, M. Huerta, *Tetrahedron Lett.*, **2003**, 44, 1931-1934.

5.- "Very Rapid Preparation of SmI_2 by Sonic Treatment of Iodoform and Metallic Samarium", J. M. Concellón, H. Rodríguez-Solla, E. Bardales, M. Huerta, *Eur. J. Org. Chem.*, **2003**, 1775-1778.

6.- "Addition Reaction of Vinylic Reagents, Derived from α -Chloroenones, to Carbonyl Compounds Promoted by Samarium Diiodide", J. M. Concellón, P. L. Bernad, M. Huerta, S. García-Granda, M. R. Díaz, *Chem. Eur. J.*, **2003**, 9, 5343-5347.

7.- "Addition Reaction of Vinylic Reagents, Derived from α -Chloroenones, to Carbonyl Compounds Promoted by Samarium Diiodide", J. M. Concellón, P. L. Bernad, M. Huerta, S. García-Granda, M. R. Díaz, *Chem. Eur. J.*, **2003**, 9, 5343-5347.

8.- "Synthesis of (*Z*)- α -Chloro- α,β -Unsaturated Esters with Complete Stereoselectivity Promoted by Samarium Diiodide", J. M. Concellón, M. Huerta, R. Llavona, *Tetrahedron Lett.*, **2004**, 45, 4665-4667

9.- "Sequenced elimination-reduction and elimination-cyclopropanation reactions of 2,3-epoxyamides promoted by samarium diiodide. Synthesis of 2,3-dideuterioamides and cyclopropanamides", J. M. Concellón, M. Huerta, E. Bardales, *Tetrahedron*, **2004**, 60, 10059-10065.

10.- "Highly Selective Reaction of α -Halo- α,β -Unsaturated Esters with Ketones or Aldehydes Promoted by SmI_2 : An Efficient Alternative Access to Baylis-Hillman Adducts", J. M. Concellón, M. Huerta, *J. Org. Chem.*, **2005**, 70, 4714-4719.

Autor: Ramón Bernardo de la Rúa García
Título: Reacciones de carbociclación de carbenos de Fisher y enaminas. Nuevas perspectivas con complejos carbeno no estabilizados.
Fecha Lectura: 05/11/2004

Publicaciones

- 1.- fiand α -Annulation Reactions of Cyclic Enamines: Enantioselective Synthesis of Bicyclo[3.n.1]alkenones and Tricyclo[3.3.0.0^{2,8}]octanes from Fischer Alkenyl Carbene Complexes
Barluenga, J.; Ballesteros, A.; Santamaría, J.; Bernardo de la Rúa, R.; Rubio, E.; Tomás, M. *J. Am. Chem. Soc.* **2000**, *122*, 12874
- 2.- Group 6 Heteroatom- and Non-Heteroatom-Stabilized Carbene Complexes. β,β - and α,β,β -Annulation Reactions of Cyclic Enamines
Barluenga, J.; Ballesteros, A.; Bernardo de la Rúa, R.; Santamaría, J.; Rubio, E.; Tomás, M. *J. Am. Chem. Soc.* **2003**, *125*, 1834
- 3.- Formal Alkyne Insertion into Alkoxy carbene Complexes: Simple Access to Enantiopure Group 6 Alkynyl(alkoxy)carbene Complexes
Barluenga, J.; Bernardo de la Rúa, R.; de Saá, D.; Ballesteros, A.; Tomás, M. *Angew. Chem. Int. Ed.* **2005**, *44*, 4981
- 4.- Chromium Alkynylcarbene Complexes as C_{β} -Electrophilic Carbene Equivalents: Regioselective Access to Dienynes and Dienedienynes
Barluenga, J.; García-García, P.; de Saá, D.; Fernández-Rodríguez, M. A.; Bernardo de la Rúa, B.; Ballesteros, A.; Aguilar, E.; Tomás, M. *Angew. Chem. Int. Ed.* **2007**, *46*, 2610

Autor: Pablo Fernández García
Título: Complejos de Cromo(III) derivados de quinoliciclopentadienilo como catalizadores en la polimerización de etileno: Síntesis y análisis espectroscópico y teórico.
Fecha lectura: 12/11/2004

Publicaciones

1.- ¹H NMR Investigation of Paramagnetic Chromium(III) Olefin Polymerization Catalysts: Experimental Results, Shift Assignment and Prediction by Quantum Chemical Calculations. Fernandez, Pablo; Pritzkow, Hans; Carbo, Jorge J.; Hofmann, Peter; Enders, Markus. Anorganisch- and Organisch-Chemisches Institut, Ruprecht-Karls-Universitaet Heidelberg, Heidelberg, Germany. *Organometallics* (2007),26(18), 4402-4412.

2.- Quinolyl-functionalized Cp-chromium polymerization catalysts: synthesis and crystal structures of alkylation products. Enders, Markus; Fernandez, Pablo; Mihan, Shahram; Pritzkow, Hans. Anorganisch-Chemisches Institut der Universitat, Heidelberg, Germany. *Journal of Organometallic Chemistry* (2003), 687(1), 125-130.

3.- New chromium single-site catalysts for controlled olefin polymerization. Mihan, Shahram; Kohn, Randolph D.; Enders, Markus; Lilge, Dieter; Maas, Heiko; Fernandez, Pablo; Ludwig, Guenther; Smith, David; Schichtel, Bjoern; Kociok-Koehn, Gabriele. Basell Polyolefine GmbH, Research Lab., Ludwigshafen, Germany. *PMSE Preprints* (2002), 86 311-312.

4.- Coordination chemistry of neutral quinolyl- and aminophenylcyclopentadiene derivatives. Enders, Markus; Fernandez, Pablo; Kaschke, Michael; Kohl, Gerald; Ludwig, Gunter; Pritzkow, Hans; Rudolph, Ralph. Anorganisch-Chemisches Institut, Universitat Heidelberg, Heidelberg, Germany. *Journal of Organometallic Chemistry* (2002), 641(1-2), 81-89.

5.- New Chromium(III) Complexes as Highly Active Catalysts for Olefin Polymerization. Enders, Markus; Fernandez, Pablo; Ludwig, Gunter; Pritzkow, Hans. Anorganisch-Chemisches Institut, Universitaet Heidelberg, Heidelberg, Germany. *Organometallics* (2001), 20(24), 5005-5007.

Patentes:

1.- Cyclopentadienyl complexes of group 6 substituted by silyl halides as catalysts for polymerization of olefins. Mihan, Shahram; Enders, Markus; Fernandez, Pablo. (Basell Polyolefine G.m.b.H., Germany). PCT Int. Appl. (2006), 66 pp. CODEN: PIXXD2 WO 2006018264 A2 20060223.

2.- Silyl halide-substituted cyclopentadienyl complexes of the Group VIB elements as alkene polymerization catalysts. Mihan, Shahram; Enders, Markus; Fernandez, Pablo. (Basell Polyolefine G.m.b.H., Germany; Universitaet Heidelberg). Ger. Offen. (2006), 40 pp. CODEN: GWXXBX DE 102004039877 A1 20060223.

- 3.- Monocyclopentadienyl metal complexes as catalyst for olefin polymerization. Mihan, Shahram; Enders, Markus; Fernandez, Pablo. (Basell Polyolefine G.m.b.H., Germany). PCT Int. Appl. (2005), 78 pp. CODEN: PIXXD2 WO 2005058928 A1 20050630.
- 4.- Monocyclopentadienyl complexes for polymerization of olefins. Mihan, Shahram; Enders, Markus; Fernandez, Pablo. (Basell Polyolefine G.m.b.H., Germany). PCT Int. Appl. (2005), 66 pp. CODEN: PIXXD2 WO 2005058983 A2 20050630.
- 5.- Polymerization of olefins and polyolefins therefrom. Mihan, Sharam; Dorer, Birgit; Enders, Markus; Fernandez, Pablo. (Basell Polyolefine G.m.b.H., Germany). PCT Int. Appl. (2003), 44 pp. CODEN: PIXXD2 WO 2003025028 A1 20030327.

Autor: Cesar Alberto Madrigal Gutiérrez
Título: Nuevos complejos de rutenio(II) con el ligando quiral (4S)-2-[(Sp)-2-(difenilfosfino) (FcPN); ferrocenil]-4 -(isopropil)oxazolina Actividad catalítica en procesos de transferencia de hidrógeno asimétrica
Fecha lectura: 10/12/2004

Publicaciones

1.- Cesar A. Madrigal Gutiérrez, “Octahedral ruthenium (II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(isopropyl)oxazoline (FcPN). X-ray crystal structures of fac-[RuCl₂(PMe₃)₂(FcPN)] and fac-[RuCl₂(dppm)(FcPN)] (dppm= bis(diphenylphosphino)methane)”, J.Gimeno, E. Lastra, C. Madrigal, C. Graiff and A. Tiripicchio, *J. Organomet. Chem.* **2001**, 637-639, 463.

2.- “New ruthenium(II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(methylethyl)oxazoline (FcPN). X-ray structures of *mer-trans*-[RuCl₂(dppm)(FcPN)] (dppm = bis(diphenylphosphino)methane) and *cis*-[RuCl₂(CO)(py)(FcPN)]”, J. Gimeno, E. Lastra, C. Madrigal, C. Graiff and A. Tiripicchio, *J. Organomet. Chem.* **2002**, 663, 204.

□ Libro

3.- “Half-sandwich η^5 -indenyl- and η^6 -areneruthenium(II) complexes bearing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphanyl)ferrocenyl]-4-(methylethyl)-oxazoline (FcPN)”, A. Garcia-Fernandez, J. Gimeno, E. Lastra, C. A. Madrigal, C. Graiff, A. Tiripicchio, *European Journal of Inorganic Chemistry*, **2007**, 5, 732.

Autor: Daniel Oves Costales
Título: Preparación quimioenzimática de derivados amino de la 1α,25-dihidroxitamina
Fecha lectura:17/12/2004

Publicaciones

- 1.- Oves, D.; Ferrero, M.; Fernández, S.; Gotor, V. *J. Org. Chem.*, **2003**, *68*, 1154-1157
 “Efficient Synthesis of novel 1 α -amino and 3 β -amino analogues of 1 α ,25-dihydroxy vitamin D₃”
- 2.- Oves, D.; Gotor-Fernández, V.; Fernández, S., Ferrero, M., Gotor, V. *Tetrahedron: Asymmetry* **2004**, *15*, 2881-2887.
 “Regioselective enzymatic syntheses of C-3 and C-5 carbonate A-ring stereoisomeric precursors of vitamin D”
- 3.- Oves, D.; Fernández, S.; Ferrero, M.; Bouillon, R.; Verstuyf, A.; Gotor, V. *Biorg. Med. Chem.* **2006**, *14*, 928-937
 “Versatile synthesis and biological evaluation of 1,3-diamino-substituted 1 α ,25-dihydroxy vitamin D analogues”
- 4.- Oves, D.; Fernández, S.; Ferrero, M.; Bouillon, R.; Verstuyf, A.; Gotor, V. *Biorg. Med. Chem.* **2006** *14*, 7512-7519.
 “Novel A ring homodimeric C-3-carbamate analogues of 1 α ,25-dihydroxyvitamin D₃: Synthesis an preliminary biological evaluation”