

CURRICULUM VITAE

a) **NAME:** Robert A. Gossage

Rank: *Professor*.

Status: *Tenured*.

Member of Graduate Faculty/Core member of program: yes (also a member of the graduate departments of Environmental Science & Management and Centre for Urban Energy (both of Ryerson University)).

b) **DEGREES:**

Ph. D. (Chemistry), University of Victoria (Canada), 1996;

B.Sc. (Chemistry), University of Guelph (Canada), 1989.

c) **EMPLOYMENT HISTORY:**

10. Professor (tenured): Ryerson University (4/5/2016 – present)
9. Visiting Professor: Universität Bern (June-August, 2015)
8. Associate Professor (tenured): Ryerson University (1/08/2008-3/5/2016)
7. Visiting Professor: University of Tasmania, Jan.-March 2006.
6. Associate Professor (tenured): Acadia University, April 2005-July 2008.
5. Visiting Professor: Utrecht University, The Netherlands, May-July, 2004.
4. Visiting Professor: University of Alberta, May-July 2002.
3. Assistant Professor (tenured: 2004): Acadia University, July 1999-March 2005.
2. Senior Scientist (Medicinal R&D): AnorMED Inc., Langley, BC: 1998–1999.
1. Post-Doctoral Fellow: Utrecht University, The Netherlands: 1996–1998.

d) **HONOURS:**

Canadian Journal of Chemistry Outstanding Reviewers Award – 2016.

Faculty of Science: Dean's Teaching Award – 2013.

Elsevier Publishing Co.: Tetrahedron Letters Most Cited Paper 2004-2007 Award;

Royal Society of Chemistry J. W. T. Jones Travelling Fellowship – 2006;

CNC/IUPAC Travel Award – 2002;

E. Gordon Young Student Prize in Chemistry – 1992.

e) SCHOLARLY AND PROFESSIONAL ACTIVITIES:

Associate Editor: Mediterranean Journal of Chemistry (2011-present).

Member: Royal Society of Chemistry; Chemical Society of Japan; Royal Canadian Institute for the Advancement of Science; Royal Photographic Society; Nova Scotian Institute of Science; Nova Scotia Historical Society.

i) PUBLICATIONS:

The Publications should be listed in the categories shown below and include the following information: books authored, books edited (a list of the chapters contributed by the editor must follow each title), chapters in books (other than those listed in the above category), papers in refereed journals, papers in refereed conference proceedings, technical reports, abstracts and/or papers read, and others. Each title must show the names of the authors in the order in which they appear in the original publication and inclusive page numbers. Publications submitted, but not yet accepted, must be listed separately within the various categories.

1) Life-Time Summary (Count) According To The Following Categories:

Books authored	0
Books edited	1
Chapters in books	5
Papers in refereed journals	90
Papers in refereed conference proceedings	0
Technical reports (Patent / Conference Review)	2
Abstracts and/or papers read	~25
Others (workshops presented)	0

i) Books, Chapters in Books, Papers in Refereed Journals.

Chapters in books (PI underlined):

5. R.A. Gossage, "Pincer Complexes of Lithium, Sodium, Magnesium and Copper: a Discussion of Solution and Solid-State Aggregated Structure and Reactivity" in "The Privileged Pincer-Metal Platform: Coordination Chemistry & Applications", Eds. R.A. Gossage & G. van Koten (*Topics in Organometallic Chemistry, Vol. 54, 2016*), Springer, New York, pp 17-44.
4. P.A. Chase, R.A. Gossage & G. van Koten, "Modern Organometallic Multidentate Ligand Design Strategies: The Birth of the Privileged 'Pincer' Ligand Platform" in "The Privileged Pincer-Metal Platform: Coordination Chemistry & Applications", Eds. R.A. Gossage & G. van Koten (*Topics in Organometallic Chemistry, Vol. 54, 2016*), Springer, New York, pp 1-15.

3. R.A. Gossage, "2-(2'-AnilinyI)-4,4-dimethyl-2-oxazoline", in "Sustainable Chemistry: A Laboratory Guide", Eds. H.W. Roesky & D. Kennepohl, Wiley-VCH, Weinheim, **2009**, Chapter 4, pp 19-42.
2. R.A. Gossage & G. van Koten, "A General Survey and Recent Advances in the Activation of Unreactive Chemical Bonds by Metal Complexes." in 'Activation of Unreactive Bonds and Organic Synthesis', Ed. S. Murai (*Topics in Organometallic Chemistry*, Vol. 3, **1999**), Springer-Verlag, Berlin, Chapter 1, pp. 1-8.
1. G. van Koten, R.A. Gossage, D.M. Grove & J.T.B.H. Jastrzebski, "Selective Product Formation with Organometallic Radicals of Nickel and Zinc" in "Controlled Radical Polymerization", Ed. K. Matyjaszewski, ACS Publications, Washington, **1998**, Chapter 5, pp 72-82.

Refereed Conference Report

Gossage, R.A., Westcott, S.A.

A report on the "new frontiers in group 13 chemistry" Symposium from the 88th Canadian Society for Chemistry Conference and Exhibition
(2007) *Heteroatom Chemistry*, 18 (3), pp. 323-332.

Patent Filing

Resanović, S., Foucher, D.A., Gossage, R.A.

Novel Late Transition Metal Catalysts for Selective Polymer Formation
(2012) *PCT Patent Filing (CA2012/000413)*, Patent Pending.

Referred Journal Publications by Year (PI underlined); 2016-1989

2016

5.

By: Kosalka JJS; Sacripante GG; Lough AJ; Foucher DA; Gossage RA

Title: Biomass Utilisation Strategies for Applications in Novel Polymer and Polymer Resin Production

Source: POLYMERS FROM RENEWABLE RESOURCES

Volume: in press.

Issue:

Pages:

Published: 2016.

4.

By: Pretorius R; Fructos MR; Mueller-Bunz, H; Gossage, RA; Pérez PJ; Albrecht M

Title: Synthesis and catalytic applications of 1,2,3-triazolylidene gold(I) complexes in silver-free oxazoline syntheses and C–H bond activation

Source: DALTON TRANSACTIONS

Volume: 45

Issue: 40

Pages: 14591-14602

Published: 2016

3.

By: Herasymchuk K; Huynh, J; Lough, AJ; Roces Fernández, L; Gossage, RA

Title: Simple Modular Synthetic Approaches to Asymmetric *NN'N''*, *NN'C* or *NN'P*-type Amido Pincer Ligands: Synthesis, Characterisation and Preliminary Ligation Studies

Source: SYNTHESIS

Volume: 48

Issue: 13

Pages: 2121-2129

Published: 2016

2.

By: Valencia, M; Muller-Bunz, H; Gossage, RA; Albrecht, M

Title: Enhanced product selectivity promoted by remote metal coordination in acceptor-free alcohol dehydrogenation catalysis

Source: CHEMICAL COMMUNICATIONS

Volume: 52

Issue: 16

Pages: 3344-3347

Published: 2016

1.

By: Farrell, K; Melle, P; Gossage, RA; Muller-Bunz, H; Albrecht, M

Title: Transfer hydrogenation with abnormal dicarbene rhodium(III) complexes containing ancillary and modular poly-pyridine ligands

Source: DALTON TRANSACTIONS

Volume: 45

Issue: 11

Pages: 4570-4579

Published: 2016

2013

5.**By:** Taghvaei, M; Gossage, RA**Title:** Coordination chemistry and applications of metal phenolates containing an oxazoline group**Source:** REVIEWS IN INORGANIC CHEMISTRY**Volume:** 33**Issue:** 2-3**Pages:** 119-128**Published:** AUG 2013

4.**By:** Luk, YYG; Foucher, D; Gossage, RA**Title:** Recent advances in the homogeneous polymerisation of olefins mediated by nickel complexes**Source:** COMPTES RENDUS CHIMIE**Volume:** 16**Issue:** 6**Pages:** 573-579**Published:** JUN 2013

3.**By:** Aldeva, V; Gezahegn, S; Panahi, B; Shuoprasad, M; Ward, J; Foucher, DA; Gossage, RA; McWilliams, AR**Title:** Synthesis, Characterization, and Theoretical Analysis of Soluble Poly(oxothiazenes): The Ambient Temperature Lewis Acid Catalyzed in Situ Polymerization of N-Silylsulfonimidoyl Chlorides**Source:** MACROMOLECULES**Volume:** 46**Issue:** 7**Pages:** 2562-2568**Published:** APR 9 2013

2.**By:** Jones, RC; Herasymchuk, K; Mahdi, T; Petrov, A; Resanovic, S; Vaughan, DG; Lough, AJ; Quail, JW; Koivisto, BD; Wylie, RS; Gossage, RA**Title:** Tautomerism and metal complexation of 2-acylmethyl-2-oxazolines: a combined

synthetic, spectroscopic, crystallographic and theoretical treatment

Source: ORGANIC & BIOMOLECULAR CHEMISTRY

Volume: 11

Issue: 21

Pages: 3484-3493

Published: 2013

1.

By: Khan, A; Lough, AJ; Gossage, RA; Foucher, DA

Title: Pd-catalysed reactions of alkynes with model distannanes and poly[di-(n-butyl)]stannane

Source: DALTON TRANSACTIONS

Volume: 42

Issue: 7

Pages: 2469-2476

Published: 2013

2011

7.**By:** Petrov, A (Petrov, Anna); Jones, RC (Jones, Roderick C.); Vaughan, DG (Vaughan, Douglas G.); Lough, AJ (Lough, Alan J.); Gossage, RA (Gossage, Robert A.)**Title:** The Crystal and Molecular Structure of (2Z)-2-[3-(4-Methoxybenzoyl)-4,4-dimethyl-1,2-oxazolidin-2-ylidene]-1-(4-methoxyphenyl)ethanone**Source:** CRYSTALS**Volume:** 1**Issue:** 4**Pages:** 229-235**Published:** DEC 2011

6.**By:** Resanovic, S (Resanovic, Sanja); Wylie, RS (Wylie, R. Stephen); Quail, JW (Quail, J. Wilson); Foucher, DA (Foucher, Daniel A.); Gossage, RA (Gossage, Robert A.)**Title:** Unusual Cationic Trinuclear Nickel Clusters Incorporating Oxazolines or N,N,N',N'-Tetramethylethylene-1,2-diamine: Applications in Olefin Polymerization**Source:** INORGANIC CHEMISTRY**Volume:** 50**Issue:** 20**Pages:** 9930-9932**Published:** OCT 17 2011

5.**By:** Gordey, EE (Gordey, Erin E.); Yadav, PN (Yadav, Paras N.); Merrin, MP (Merrin, Marcus P.); Davies, J (Davies, Jill); Ward, SA (Ward, Steven A.); Woodman, GMJ (Woodman, Grant M. J.); Sadowy, AL (Sadowy, Amber L.); Smith, TG (Smith, Todd G.); Gossage, RA (Gossage, Robert A.)**Title:** Synthesis and biological activities of 4-N-(anilinyln-[oxazolyl])-7-chloroquinolines (n=3 ' or 4 ') against Plasmodium falciparum in in vitro models**Source:** BIOORGANIC & MEDICINAL CHEMISTRY LETTERS**Volume:** 21**Issue:** 15**Pages:** 4512-4515**Published:** AUG 1 2011

4.

By: Chojnacka, MW (Chojnacka, Maja W.); Lough, AJ (Lough, Alan J.); Wylie, RS (Wylie, R. Stephen); Gossage, RA (Gossage, Robert A.)

Title: Piperonylic anhydride: Isolation and conformational analysis by X-ray crystallography and density functional theory calculations

Source: JOURNAL OF MOLECULAR STRUCTURE

Volume: 991

Issue: 1-3

Pages: 158-161

Published: APR 5 2011

3.

By: Yadav, PN (Yadav, Paras N.); Beveridge, RE (Beveridge, Ramsay E.); Blay, J (Blay, Jonathan); Boyd, AR (Boyd, Alaina R.); Chojnacka, MW (Chojnacka, Maja W.); Decken, A (Decken, Andreas); Deshpande, AA (Deshpande, Ankur A.); Gardiner, MG (Gardiner, Michael G.); Hambley, TW (Hambley, Trevor W.); Hughes, MJ (Hughes, Michael J.); Jolly, L (Jolly, Leslie); Lavangie, JA (Lavangie, Jacquelyn A.); MacInnis, TD (MacInnis, Timothy D.); McFarland, SA (McFarland, Sherri A.); New, EJ (New, Elizabeth J.); Gossage, RA (Gossage, Robert A.)

Title: Platinum-oxazoline complexes as anti-cancer agents: syntheses, characterisation and initial biological studies

Source: MEDCHEMCOMM

Volume: 2

Issue: 4

Pages: 274-277

Published: APR 2011

2.

By: Jones, RC (Jones, Roderick C.); Chojnacka, MW (Chojnacka, Maja W.); Quail, JW (Quail, J. Wilson); Gardiner, MG (Gardiner, Michael G.); Decken, A (Decken, Andreas); Yates, BF (Yates, Brian F.); Gossage, RA (Gossage, Robert A.)

Title: Oxazoles revisited: On the nature of binding of benzoxazole and 2-methylbenzoxazole with the zinc and palladium halides

Source: DALTON TRANSACTIONS

Volume: 40

Issue: 7

Pages: 1594-1600

Published: 2011

1.

By: Gossage, RA (Gossage, Robert A.)

Title: Pincer oxazolines: emerging tools in coordination chemistry and catalysis - where to next?

Source: DALTON TRANSACTIONS

Volume: 40

Issue: 35

Pages: 8755-8759

Published: 2011

2010

4.**By:** Khan, A (Khan, Aman); Gossage, RA (Gossage, Robert A.); Foucher, DA (Foucher, Daniel A.)**Title:** A convenient route to distannanes, oligostannanes, and polystannanes**Source:** CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE**Volume:** 88**Issue:** 10**Pages:** 1046-1052**Published:** OCT 2010

3.**By:** Gossage, RA (Gossage, Robert A.); Jenkins, HA (Jenkins, Hilary A.); Quail, JW (Quail, J. Wilson)**Title:** Oxazoles XXI. Three Ester Ammonium Salts Resulting from the Rupture of an Oxazoline Ring**Source:** JOURNAL OF CHEMICAL CRYSTALLOGRAPHY**Volume:** 40**Issue:** 3**Pages:** 272-277**Published:** MAR 2010

2.**By:** Button, KM (Button, Karen M.); Gossage, RA (Gossage, Robert A.); Jenkins, HA (Jenkins, Hilary A.); Mandi, T (Mandi, Tayseer); Resanovic, S (Resanovic, Sanja)**Title:** On the Purity of 2-[ortho-Aniliny]-1,3-benzoxazole Derived from 2H-3,1-Benzoxazine-2,4(1H)dione (Isatoic Anhydride)**Source:** JOURNAL OF HETEROCYCLIC CHEMISTRY**Volume:** 47**Issue:** 2**Pages:** 268-271**Published:** MAR 2010

1.**By:** Baerlocher, FJ (Baerlocher, Felix J.); Bucur, R (Bucur, Robert); Decken, A (Decken, Andreas); Eisnor, CR (Eisnor, Charles R.); Gossage, RA (Gossage, Robert A.); Jackson, SM (Jackson, Sarah M.); Jolly, L (Jolly, Leslie); Wheaton, SL (Wheaton, Susan L.); Wylie, RS

(Wylie, R. Stephen)

Title: Oxazoles XXII. The Cobalt(II) Coordination Chemistry of 2-(ortho-Aniliny1)-4,4-dimethyl-2-oxazoline: Syntheses, Properties, and Solid-State Structural Characterization

Source: AUSTRALIAN JOURNAL OF CHEMISTRY

Volume: 63

Issue: 1

Pages: 47-55

Published: 2010

2009

4.

By: Deshpande, AA (Deshpande, Ankur A.); Gossage, RA (Gossage, Robert A.); Jackson, SM (Jackson, Sarah M.); Quail, JW (Quail, J. Wilson); Sadowy, AL (Sadowy, Amber L.); Yadav, PN (Yadav, Paras N.)

Title: An Exploration of the Metal Oxide-assisted Decomposition and Rearrangement of N-Acyl-1,3-oxazolidin-2-ones Leading to 2-Aryl-2-oxazolines [1]

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES

Volume: 64

Issue: 9

Pages: 1046-1052

Published: SEP 2009

3.

By: Gossage, RA (Gossage, Robert A.); Jenkins, HA (Jenkins, Hilary A.)

Title: The Crystal Structure of bis-(mu-N-ethyl-N-phenyldithiocarbamato-S,S ')-bis[(N-ethyl-N-phenyldithiocarbamato-kappa S-2,S ')]zinc(II)

Source: ACTA CHIMICA SLOVENICA

Volume: 56

Issue: 2

Pages: 329-333

Published: 2009

2.

By: del Rio, I (del Rio, Ignacio); Gossage, RA (Gossage, Robert A.)

Title: The first oxazoline adduct of Zn(acac)(2): bis(acetylacetonato-kappa O-2,O ')(2-phenyl-2-oxazoline-kappa N)zinc(II)

Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE

Volume: 65

Pages: M103-U1068

Part: 1

Published: JAN 2009

1.

By: Gossage, RA (Gossage, Robert A.); Yadav, PN (Yadav, Paras N.); MacInnis, TD (MacInnis,

Timothy D.); Quail, JW (Quail, J. Wilson); Decken, A (Decken, Andreas)

Title: Zinc halide oxazoline complexes - The quest for structural diversity

Source: CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE

Volume: 87

Issue: 1

Pages: 368-379

Published: JAN 2009

2008

3.

By: Ma, ZS (Ma, Zengshuan); Molavi, O (Molavi, Ommoleila); Haddadi, A (Haddadi, Azita); Lai, R (Lai, Raymond); Gossage, RA (Gossage, Robert A.); Lavasanifar, A (Lavasanifar, Afsaneh)

Title: Resveratrol analog trans 3,4,5,4'-tetramethoxystilbene (DMU-212) mediates anti-tumor effects via mechanism different from that of resveratrol

Source: CANCER CHEMOTHERAPY AND PHARMACOLOGY

Volume: 63

Issue: 1

Pages: 27-35

Published: DEC 2008

2.

By: Gossage, RA (Gossage, Robert A.); Jenkins, HA (Jenkins, Hilary A.); Jones, ND (Jones, Nathan D.); Jones, RC (Jones, Roderick C.); Yates, BF (Yates, Brian F.)

Title: Pre-catalyst resting states: a kinetic, thermodynamic and quantum mechanical analyses of [PdCl₂(2-oxazoline)₂] complexes

Source: DALTON TRANSACTIONS

Issue: 23

Pages: 3115-3122

Published: 2008

1.

By: Chase, PA (Chase, Preston A.); Lutz, M (Lutz, Martin); Spek, AL (Spek, Anthony L.); Gossage, RA (Gossage, Robert A.); van Koten, G (van Koten, Gerard)

Title: Solid-state and solution structures of hetero-aggregates formed between nBuLi and NCN pincer aryl lithium

Source: DALTON TRANSACTIONS

Issue: 42

Pages: 5783-5790

Published: 2008

2007

1.

By: Cabeza, JA (Cabeza, Javier A.); da Silva, I (da Silva, Ivan); del Rio, I (del Rio, Ignacio); Gossage, RA (Gossage, Robert A.); Martinez-Mendez, L (Martinez-Mendez, Lorena); Miguel, D (Miguel, Daniel)

Title: Oxazoline chemistry, part 15. Mononuclear ruthenium complexes containing chiral amino oxazolines: Syntheses, X-ray studies and catalytic activity

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 692

Issue: 20

Pages: 4346-4352

Published: SEP 15 2007

2006

6.**By:** Decken, A (Decken, Andreas); Botelho, L (Botelho, Laura); Sadowy, AL (Sadowy, Amber L.); Yadav, PN (Yadav, Paras N.); Gossage, RA (Gossage, Robert A.)**Title:** 2-(3-Nitrophenyl)-2-oxazoline**Source:** ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE**Volume:** 62**Pages:** O5414-O5416**Part:** 12**Published:** DEC 2006

5.**By:** Gossage, RA (Gossage, Robert A)**Title:** Zinc(II) bromide: An overview applications in synthesis**Source:** CURRENT ORGANIC CHEMISTRY**Volume:** 10**Issue:** 9**Pages:** 923-936**Published:** JUN 2006

4.**By:** Decken, A (Decken, A); Eisnor, CR (Eisnor, CR); Gossage, RA (Gossage, RA); Jackson, SM (Jackson, SM)**Title:** Oxazoline chemistry IX. Synthesis and characterisation of the first zinc oxazoline dialkyldithiocarbamate complexes; x-ray crystal structure determinations of [Zn(S₂CNR₂-kappa S-2)(2) (2-R¹-4,4-R²-2-oxazoline-kappa N-1)] (R = R¹ = Me, R² = H; R = Et, R¹ Me, Et or Ph, R² = H; R = Bz; R¹ = R² = Me)**Source:** INORGANICA CHIMICA ACTA**Volume:** 359**Issue:** 6**Pages:** 1743-1753**Published:** APR 10 2006

3.**By:** Eisnor, CR (Eisnor, CR); Gossage, RA (Gossage, RA); Yadav, PN (Yadav, PN)**Title:** Oxazoline Chemistry. Part 11: Syntheses of natural and synthetic isoflavones, stilbenes and related species via C-C bond formation promoted by a Pd-oxazoline complex

Source: TETRAHEDRON

Volume: 62

Issue: 14

Pages: 3395-3401

Published: APR 3 2006

2.

By: Cross, GG (Cross, GG); Eisnor, CR (Eisnor, CR); Gossage, RA (Gossage, RA); Jenkins, HA (Jenkins, HA)

Title: Oxazoline chemistry. Part 12: A metal-mediated synthesis of DMU-212; X-ray diffraction studies of an important anti-cancer agent

Source: TETRAHEDRON LETTERS

Volume: 47

Issue: 13

Pages: 2245-2247

Published: MAR 27 2006

1.

By: Cabeza, JA (Cabeza, JA); da Silva, I (da Silva, I); del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Miguel, D (Miguel, D); Suarez, M (Suarez, M)

Title: Triruthenium carbonyl clusters derived from chiral aminooxazolines: synthesis and catalytic activity

Source: DALTON TRANSACTIONS

Issue: 20

Pages: 2450-2455

Published: 2006

2005

6.**By:** Decken, A (Decken, A); Gossage, RA (Gossage, RA); Yadav, PN (Yadav, PN)**Title:** Oxazoline chemistry. Part VIII. Synthesis and characterization of a new class of pincer ligands derived from the 2-(o-aniliny)-2-oxazoline skeleton - Applications to the synthesis of group X transition metal catalysts**Source:** CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE**Volume:** 83**Issue:** 8**Pages:** 1185-1189**Published:** AUG 2005

5.**By:** Storr, T (Storr, T); Cameron, BR (Cameron, BR); Gossage, RA (Gossage, RA); Yee, H (Yee, H); Skerlj, RT (Skerlj, RT); Darkes, MC (Darkes, MC); Fricker, SP (Fricker, SP); Bridger, GJ (Bridger, GJ); Davies, NA (Davies, NA); Wilson, MT (Wilson, MT); Maresca, KP (Maresca, KP); Zubieta, J (Zubieta, J)**Title:** Ru-III complexes of Edta and Dtpa polyaminocarboxylate analogues and their use as nitric oxide scavengers**Source:** EUROPEAN JOURNAL OF INORGANIC CHEMISTRY**Issue:** 13**Pages:** 2685-2697**Published:** JUL 4 2005

4.**By:** Berg, DJ (Berg, DJ); Zhou, CJ (Zhou, CJ); Barclay, T (Barclay, T); Fei, XN (Fei, XN); Feng, SY (Feng, SY); Ogilvie, KA (Ogilvie, KA); Gossage, RA (Gossage, RA); Twamley, B (Twamley, B); Wood, M (Wood, M)**Title:** Lanthanide complexes of an oxazoline-phenoxide hybrid chelate**Source:** CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE**Volume:** 83**Issue:** 5**Pages:** 449-459**Published:** MAY 2005

3.**By:** Decken, A (Decken, A); Gossage, RA (Gossage, RA)

Title: Synthesis and characterisation of the first transition metal complex of zoxazolamine (2-amino-5-chlorobenzoxazole): the X-ray crystal structure determination of [ZnCl₂(eta(1)-N-benzoxazole-2-amino-5-chlorobenzoxazole)(2)]

Source: JOURNAL OF INORGANIC BIOCHEMISTRY

Volume: 99

Issue: 2

Pages: 664-667

Published: FEB 2005

2.

By: Gossage, RA (Gossage, RA); Sadowy, AL (Sadowy, AL)

Title: A caveat on the use of 2-chloro-4,6-dimethoxy-1,3,5-triazine for the synthesis of 4,4-dimethyl-2-R-2-oxazolines

Source: LETTERS IN ORGANIC CHEMISTRY

Volume: 2

Issue: 1

Pages: 25-28

Published: FEB 2005

1.

By: Gossage, RA (Gossage, RA); Jastrzebski, JTBH (Jastrzebski, JTBH); van Koten, G (van Koten, G)

Title: Hetero-aggregate compounds of aryl and alkyl lithium reagents: A structurally intriguing aspect of organolithium chemistry

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 44

Issue: 10

Pages: 1448-1454

Published: FEB 25 2005

2004

5.

By: Kronenburg, CMP (Kronenburg, CMP); Rijnberg, E (Rijnberg, E); Jastrzebski, JTBH (Jastrzebski, JTBH); Kooijman, H (Kooijman, H); Lutz, M (Lutz, M); Spek, AL (Spek, AL); Gossage, RA (Gossage, RA); van Koten, G (van Koten, G)

Title: Formation of organolithium hetero-aggregates [Li₄Ar₂(nBu)₂] (Ar=C₆H₄CH(Me)NMe₂-2) during the directed ortho-lithiation of [1-(dimethylamino)ethyl]benzene

Source: CHEMISTRY-A EUROPEAN JOURNAL

Volume: 11

Issue: 1

Pages: 253-261

Published: DEC 17 2004

4.

By: Arink, AM (Arink, AM); Kronenburg, CMP (Kronenburg, CMP); Jastrzebski, JTBH (Jastrzebski, JTBH); Lutz, M (Lutz, M); Spek, AL (Spek, AL); Gossage, RA (Gossage, RA); van Koten, G (van Koten, G)

Title: Diastereoselective self-assembly of chiral diamine-chelated aryllithiums to dimeric aggregates

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 126

Issue: 49

Pages: 16249-16258

Published: DEC 15 2004

3.

By: Gossage, RA (Gossage, RA); Jenkins, HA (Jenkins, HA); Yadav, PN (Yadav, PN)

Title: Application of an air stable Pd oxazoline complex for Heck, Suzuki, Sonogashira and related C-C bond-forming reactions

Source: TETRAHEDRON LETTERS

Volume: 45

Issue: 41

Pages: 7689-7691

Published: OCT 4 2004

2.

By: Xu, J (Xu, J); Frcic, A (Frcic, A); Clyburne, JAC (Clyburne, JAC); Gossage, RA (Gossage, RA); Yu, HZ (Yu, HZ)

Title: Thin-layer electrochemistry of 1,3-diferrocenyl-2-buten-1-one: Direct correlation between driving force and liquid/liquid interfacial electron transfer rates

Source: JOURNAL OF PHYSICAL CHEMISTRY B

Volume: 108

Issue: 18

Pages: 5742-5746

Published: MAY 6 2004

1.

By: Decken, A (Decken, A); Gossage, RA (Gossage, RA); Chan, MY (Chan, MY); Lai, CS (Lai, CS); Tiekink, ERT (Tiekink, ERT)

Title: Bis(N,N-dibenzylthiocarbamato)zinc(II)

Source: APPLIED ORGANOMETALLIC CHEMISTRY

Volume: 18

Issue: 2

Pages: 101-102

Published: FEB 2004

2003

4.

By: Barclay, TM (Barclay, TM); del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Jackson, SM (Jackson, SM)

Title: Oxazoline chemistry - Part IV: Synthesis and characterization of oxazoline complexes of the zinc halides

Source: CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE

Volume: 81

Issue: 12

Pages: 1482-1491

Published: DEC 2003

3.

By: Jones, ND (Jones, ND); Lin, GY (Lin, GY); Gossage, RA (Gossage, RA); McDonald, R (McDonald, R); Cavell, RG (Cavell, RG)

Title: Synthesis, structure, and reactivity of an unusual platinum olefin carbene complex, [(eta(4)-cod)Pt{=C(Ph₂P=NSiMe₃)(₂)-kappa C,kappa N}]

Source: ORGANOMETALLICS

Volume: 22

Issue: 14

Pages: 2832-2841

Published: JUL 7 2003

2.

By: Button, KM (Button, KM); Gossage, RA (Gossage, RA)

Title: Oxazoline chemistry part III. Synthesis and characterisation of [2-(2'-anilinyl)-2-oxazolines] and some related compounds

Source: JOURNAL OF HETEROCYCLIC CHEMISTRY

Volume: 40

Issue: 3

Pages: 513-517

Published: MAY-JUN 2003

1.

By: Lin, GY (Lin, GY); Jones, ND (Jones, ND); Gossage, RA (Gossage, RA); McDonald, R (McDonald, R); Cavell, RG (Cavell, RG)

Title: A tris(carbene) pincer complex: Monomeric platinum carbonyl with three bound carbene centers

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 42

Issue: 34

Pages: 4054-4057

Published: 2003

2002

2.**By:** Gossage, RA (Gossage, RA); Kinrade, SD (Kinrade, SD); Gillson, AME (Gillson, AME); Knight, CTG (Knight, CTG)**Title:** Organosilicon compounds - a comment on nomenclature usage. Letter and reply**Source:** JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS**Issue:** 10**Pages:** 2256-2257**Published:** 2002

1.**By:** Button, KM (Button, KM); Gossage, RA (Gossage, RA); Phillips, RKR (Phillips, RKR)**Title:** Oxazoline chemistry: Part I. A simple large scale synthesis of 1,3-bis-(4,4-dimethyl-2-oxazoliny)benzene**Source:** SYNTHETIC COMMUNICATIONS**Volume:** 32**Issue:** 3**Pages:** 363-368**Published:** 2002

2001

2.**By:** Banks, JT (Banks, JT); Button, KM (Button, KM); Gossage, RA (Gossage, RA); Hamilton, TD (Hamilton, TD); Kershaw, KE (Kershaw, KE)**Title:** Synthesis of novel oxazoline ligands designed for attachment to gold nanoparticles**Source:** HETEROCYCLES**Volume:** 55**Issue:** 12**Pages:** 2251-2256**Published:** DEC 1 2001

1.**By:** Albrecht, M (Albrecht, M); Gossage, RA (Gossage, RA); Frey, U (Frey, U); Ehlers, AW (Ehlers, AW); Baerends, EJ (Baerends, EJ); Merbach, AE (Merbach, AE); van Koten, G (van Koten, G)**Title:** Mechanistic aspects of the reversible binding of SO₂ on arylplatinum complexes: Experimental and ab initio studies**Source:** INORGANIC CHEMISTRY**Volume:** 40**Issue:** 5**Pages:** 850-855**Published:** FEB 26 2001

2000

8.

By: Kleij, AW (Kleij, AW); Gossage, RA (Gossage, RA); Gebbink, RJMK (Gebbink, RJMK); Brinkmann, N (Brinkmann, N); Reijerse, EJ (Reijerse, EJ); Kragl, U (Kragl, U); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: A "dendritic effect" in homogeneous catalysis with carbosilane-supported arylnickel(II) catalysts: Observation of active-site proximity effects in atom-transfer radical addition

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 122

Issue: 49

Pages: 12112-12124

Published: DEC 13 2000

7.

By: del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Hannu, MS (Hannu, MS); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Synthesis and characterization of two new "pincer" complexes of zinc(II). The X-ray crystal structures of the five coordinate complexes [ZnCl₂{ η (3)-NN ' N-2,6-(R₂NCH₂)₂C₅H₃N}] (R = n-Bu or Me)

Source: CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE

Volume: 78

Issue: 12

Pages: 1620-1626

Published: DEC 2000

6.

By: Gossage, RA (Gossage, RA)

Title: Structurally characterised silyls

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 608

Issue: 1-2

Pages: 164-171

Published: AUG 25 2000

5.

By: Back, S (Back, S); Gossage, RA (Gossage, RA); Lutz, M (Lutz, M); del Rio, I (del Rio, I); Spek, AL (Spek, AL); Lang, H (Lang, H); van Koten, G (van Koten, G)

Title: Bis-ortho-chelated diaminoaryl platinum compounds with sigma-acetylene substituents. Investigations into their stability and subsequent construction of multimetallic systems. The crystal structure of $[(\mu_2)-[(\eta^2)\text{-NCN}]\text{Pt}(\eta^1\text{-CO})\text{C}(\text{CSiMe}_3)]\text{Co}_2(\text{CO})_6]$ (NCN=2,6-bis[(dimethylamino)methyl]phenyl)

Source: ORGANOMETALLICS

Volume: 19

Issue: 17

Pages: 3296-3304

Published: AUG 21 2000

4.

By: Back, S (Back, S); Gossage, RA (Gossage, RA); Lang, H (Lang, H); van Koten, G (van Koten, G)

Title: Mixed metal acetylides: The Pt-II aryl acetylide "[PtC₆H₂(CH₂NMe₂)(2-),2,6-(C equivalent to C)-4]" as a connective fragment

Source: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY

Issue: 7

Pages: 1457-1464

Published: JUL 2000

3.

By: Albrecht, M (Albrecht, M); Gossage, RA (Gossage, RA); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Diagnostic organometallic and metallodendritic materials for SO₂ gas detection: Reversible binding of sulfur dioxide to arylplatinum(II) complexes

Source: CHEMISTRY-A EUROPEAN JOURNAL

Volume: 6

Issue: 8

Pages: 1431-1445

Published: APR 14 2000

2.

By: Kleij, AW (Kleij, AW); Gossage, RA (Gossage, RA); Jastrzebski, JTBH (Jastrzebski, JTBH); Boersma, J (Boersma, J); van Koten, G (van Koten, G)

Title: The "dendritic effect" in homogeneous catalysis with carbosilane-supported arylnickel(II) catalysts: Observation of active-site proximity effects in atom-transfer radical addition

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 39

Issue: 1

Pages: 176-+

Published: 2000

1.

By: Dani, P (Dani, P); Karlen, T (Karlen, T); Gossage, RA (Gossage, RA); Gladiali, S (Gladiali, S); van Koten, G (van Koten, G)

Title: Hydrogen-transfer catalysis with pincer-aryl ruthenium(II) complexes

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 39

Issue: 4

Pages: 743-+

Published: 2000

1999

10.

By: Albrecht, M (Albrecht, M); Gossage, RA (Gossage, RA); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Metal-mediated C-C bond making and breaking: First direct evidence for a reversible migration of a benzyl group along a metal-carbon bond

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 121

Issue: 50

Pages: 11898-11899

Published: DEC 22 1999

9.

By: Brandts, JAM (Brandts, JAM); van Leur, M (van Leur, M); Gossage, RA (Gossage, RA); Boersma, J (Boersma, J); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Organomolybdenum(VI) and lithium organomolybdate(VI) and -(V) complexes with C,N-chelating aminoaryl ligands

Source: ORGANOMETALLICS

Volume: 18

Issue: 14

Pages: 2633-2641

Published: JUL 5 1999

8.

By: Brandts, JAM (Brandts, JAM); Gossage, RA (Gossage, RA); Boersma, J (Boersma, J); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Molybdenum(VI) bis(imidoaryl) complexes containing the bis(aminomethyl)aryl "Pincer" ligand [C₆H₃(CH₂NMe₂)(2)-2,6](-) (NCN): Structures of [MoCl(eta(2)-C,N-NCN)(NAr)(2)], [Mo(eta(2)-C,N-NCN)(Me)(NAr)(2)], and [MoCl₂{eta(2)-C,N-NC(NH)}(NAr)(2)]

Source: ORGANOMETALLICS

Volume: 18

Issue: 14

Pages: 2642-2648

Published: JUL 5 1999

7.

By: Gossage, RA (Gossage, RA); Munoz-Martinez, E (Munoz-Martinez, E); Frey, H (Frey, H);

Burgath, A (Burgath, A); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: A novel phenol for use in convergent and divergent dendrimer synthesis: Access to core functionalisable trifurcate carbosilane dendrimers - The X-ray crystal structure of [1,3,5-tris{4-(trialkylsilyl) phenylester}benzene

Source: CHEMISTRY-A EUROPEAN JOURNAL

Volume: 5

Issue: 7

Pages: 2191-2197

Published: JUL 1999

6.

By: del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Reactivity of a binuclear Ru(II) N-2-bridged complex towards phosphines: facile access to novel mono and binuclear phosphorous derivatives. X-ray structural characterization of two unusual binuclear complexes containing 'pincer' ligands: [$\{\text{RuCl}_2(\eta^3\text{-NN ' N})\}_2(\mu\text{-}\eta^2\text{-P-2})$] (NN ' N=2,6-bis[(dimethylamino)methyl]pyridine; P-2=1,3-bis[(diphenylphosphino)methyl]benzene or 1,3-bis(diphenylphosphino)propane)

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 583

Issue: 1-2

Pages: 69-79

5.

By: Back, S (Back, S); Gossage, RA (Gossage, RA); Rheinwald, G (Rheinwald, G); del Rio, I (del Rio, I); Lang, H (Lang, H); van Koten, G (van Koten, G)

Title: Titanium alpha-acetylides as building blocks for heterobimetallic transition metal complexes: synthesis and redox behaviour of pi-conjugated organometallic systems

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 582

Issue: 1

Pages: 126-138

Published: JUN 10 1999

4.

By: del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Synthesis and characterization of ruthenium 'pincer' complexes containing sulfur atom donor ligands. The X-ray crystal structure of $[\text{RuCl}_2(\eta^3\text{-NN ' N})(\text{SMe}_2)]$ (NN ' N = {2,6-(Me₂NCH₂)₂C₅H₃N})

Source: INORGANICA CHIMICA ACTA

Volume: 287

Issue: 1

Pages: 113-116

Published: APR 2 1999

3.

By: Gossage, RA (Gossage, RA); Ryabov, AD (Ryabov, AD); Spek, AL (Spek, AL); Stufkens, DJ (Stufkens, DJ); van Beek, JAM (van Beek, JAM); van Eldik, R (van Eldik, R); van Koten, G (van Koten, G)

Title: Models for the initial stages of oxidative addition. Synthesis, characterization, and mechanistic investigation of eta(1)-I-2 organometallic "pincer" complexes of platinum. X-ray crystal structures of [PtI(C6H3{CH2NMe2}(2)-2,6)(eta(1)-I-2)] and exo-meso-[Pt(eta(1)-I-3)(eta(1)-I-2)(C6H3{CH2N(t-Bu)Me}(2)-2,6)]

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 121

Issue: 11

Pages: 2488-2497

Published: MAR 24 1999

2.

By: del Rio, I (del Rio, I); Gossage, RA (Gossage, RA); Hannu, MS (Hannu, MS); Lutz, M (Lutz, M); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Alkene and alkyne reactivity toward a bisruthenium(II) mu(2)-dinitrogen complex containing the "pincer" ligand 2,6-bis[(dimethylamino)methyl]pyridine (NN'N). The X-ray crystal structures of [Ru(=C=CHPh)Cl-2(NN'N)] and [Ru(=C=CHPh)(OTf)(NN'N)(PPh3)][OTf] (OTf = trifluoromethane sulfonate)

Source: ORGANOMETALLICS

Volume: 18

Issue: 6

Pages: 1097-1105

1.

By: Gossage, RA (Gossage, RA); Jastrzebski, JTBH (Jastrzebski, JTBH); van Ameijde, J (van Ameijde, J); Mulders, SJE (Mulders, SJE); Brouwer, AJ (Brouwer, AJ); Liskamp, RMJ (Liskamp, RMJ); van Koten, G (van Koten, G)

Title: Synthesis and catalytic application of amino acid based dendritic macromolecules

Source: TETRAHEDRON LETTERS

Volume: 40

Issue: 7

Pages: 1413-1416

Published: FEB 12 1999

1998

12.

By: Steenwinkel, P (Steenwinkel, P); James, SL (James, SL); Gossage, RA (Gossage, RA); Grove, DM (Grove, DM); Kooijman, H (Kooijman, H); Smeets, WJJ (Smeets, WJJ); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Sequential C-H and C-Ru bond formation and cleavage during the thermally induced rearrangement of aryl ruthenium(II) complexes with [C₆H₃(CH₂NMe₂)(2)-2,6](-) as a bidentate eta(2)-C,N coordinated ligand. The crystal structures of the isomeric pairs [RuCl{eta(6)-C₁₀H₁₄}{eta(2)-C,N-C₆H₃(CH₂NMe₂)(2)-2,n}] (n = 4 or 6) and [Ru(eta(5)-C₅H₅){(eta(2)-C,N-C₆H₃(CH₂NMe₂)(2)-2,n} (PPH₃)] (n = 4 or 6)

Source: ORGANOMETALLICS

Volume: 17

Issue: 21

Pages: 4680-4693

Published: OCT 12 1998

11.

By: Meijer, MD (Meijer, MD); Rump, M (Rump, M); Gossage, RA (Gossage, RA); Jastrzebski, JHTB (Jastrzebski, JHTB); van Koten, G (van Koten, G)

Title: New "bucky-ligands". Potentially monoanionic terdentate diamino aryl pincer ligands anchored to C-60

Source: TETRAHEDRON LETTERS

Volume: 39

Issue: 37

Pages: 6773-6776

Published: SEP 10 1998

10.

By: Gossage, RA (Gossage, RA); van De Kuil, LA (van De Kuil, LA); van Koten, G (van Koten, G)

Title: Diaminoarylnickel(II) "pincer" complexes: Mechanistic considerations in the Kharasch addition reaction, controlled polymerization, and dendrimeric transition metal catalysts

Source: ACCOUNTS OF CHEMICAL RESEARCH

Volume: 31

Issue: 7

Pages: 423-431

Published: JUL 1998

9.

By: Donkervoort, JG (Donkervoort, JG); Vicario, JL (Vicario, JL); Jastrzebski, JTBH (Jastrzebski, JTBH); Gossage, RA (Gossage, RA); Cahiez, G (Cahiez, G); van Koten, G (van Koten, G)

Title: Novel tridentate diamino organomanganese(II) complexes as homogeneous catalysts in manganese(II)/copper(I) catalyzed carbon-carbon bond forming reactions

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 558

Issue: 1-2

Pages: 61-69

Published: MAY 15 1998

8.

By: Albrecht, M (Albrecht, M); Gossage, RA (Gossage, RA); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Sulfur dioxide gas detection by reversible $\eta(1)$ -SO₂-Pt bond formation as a novel application for periphery functionalised metallo-dendrimers

Source: CHEMICAL COMMUNICATIONS

Issue: 9

Pages: 1003-1004

Published: MAY 7 1998

7.

By: Steenwinkel, P (Steenwinkel, P); Gossage, RA (Gossage, RA); van Koten, G (van Koten, G)

Title: Recent findings in cyclometallation of meta-substituted aryl ligands by platinum group metal complexes by C-aryl-R bond activation (R = H, CR₃, SiR₃)

Source: CHEMISTRY-A EUROPEAN JOURNAL

Volume: 4

Issue: 5

Pages: 759-762

Published: MAY 1998

6.

By: Steenwinkel, P (Steenwinkel, P); Gossage, RA (Gossage, RA); Maunula, T (Maunula, T); Grove, DM (Grove, DM); van Koten, G (van Koten, G)

Title: The effect of the trimethylsilyl group on electrophilic cyclopalladation; A study of C-aryl-Si versus C-aryl-H selective bond activation with 2,6(Me₂NCH₂)₂C₆H₃R (R=H or SiMe₃)

Source: CHEMISTRY-A EUROPEAN JOURNAL

Volume: 4

Issue: 5

Pages: 763-768
Published: MAY 1998

5.

By: Gossage, RA (Gossage, RA); Munoz-Martinez, E (Munoz-Martinez, E); van Koten, G (van Koten, G)

Title: Synthesis of a key reactive unit for use in the divergent or convergent synthesis of carbosilane dendrimers

Source: TETRAHEDRON LETTERS

Volume: 39

Issue: 16

Pages: 2397-2400

Published: APR 16 1998

4.

By: Steenwinkel, P (Steenwinkel, P); Kolmschot, S (Kolmschot, S); Gossage, RA (Gossage, RA); Dani, P (Dani, P); Veldman, N (Veldman, N); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Synthesis of a new multidentate phosphane ligand C₆H₂(CH₂PPh₂)(4)-1,2,4,5 - X-ray structure of a dinuclear Ruthenium(II)-bridged complex:

[{RuCl₂(PPh₃)}₂{C₆H₂(CH₂PPh₂)(4)-1,2,4,5-P,P',P'',P'''}]

Source: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY

Issue: 4

Pages: 477-483

Published: APR 1998

3.

By: Lagunas, MC (Lagunas, MC); Gossage, RA (Gossage, RA); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Synthesis and characterization of the bis-cyclometalating ligand 3,3',5,5'-tetrakis[(dimethylamino)methyl]biphenyl and its use in the preparation of bimetallic M(II), M(IV) (M = Pt, Pd), and mixed-valence Pt(II)-Pt(IV) complexes via a dilithio-derivative. Crystal structure of the Pd dimer [ClPd{2,6-(Me₂NCH₂)(₂)C₆H₂}]₂

Source: ORGANOMETALLICS

Volume: 17

Issue: 4

Pages: 731-741

Published: FEB 16 1998

2.

By: Kleijn, H (Kleijn, H); Jastrzebski, JTBH (Jastrzebski, JTBH); Gossage, RA (Gossage, RA); Kooijman, H (Kooijman, H); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Ortho-bis(amino)arylnickel(II) halide complexes containing perfluoroalkyl chains as model catalyst precursors for use in fluorous biphasic systems.

Source: TETRAHEDRON

Volume: 54

Issue: 7

Pages: 1145-1152

Published: FEB 12 1998

1.

By: Lagunas, MC (Lagunas, MC); Gossage, RA (Gossage, RA); Smeets, WJJ (Smeets, WJJ); Spek, AL (Spek, AL); van Koten, G (van Koten, G)

Title: Coordination behaviour of the new multidentate ligand 3,5-bis(dimethylaminomethyl)pyridine with palladium(II) and platinum(II) metal centres

Source: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY

Issue: 2

Pages: 163-168

Published: FEB 1998

1997

3.

By: Dani, P (Dani, P); Karlen, T (Karlen, T); Gossage, RA (Gossage, RA); Smeets, WJJ (Smeets, WJJ); Spek, AL (Spek, AL); vanKoten, G (vanKoten, G)

Title: Replacement of a cyclometalated terdentate diamino ligand by a phosphorus analogue. Isolation and crystallographic characterization of an intermediate in aryl C-H bond activation in models of dendrimer-bound organometallic catalysts

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 119

Issue: 46

Pages: 11317-11318

Published: NOV 19 1997

2.

By: van de Kuil, LA (van de Kuil, LA); Grove, DM (Grove, DM); Gossage, RA (Gossage, RA); Zwikker, JW (Zwikker, JW); Jenneskens, LW (Jenneskens, LW); Drenth, W (Drenth, W); van Koten, G (van Koten, G)

Title: Mechanistic aspects of the Kharasch addition reaction catalyzed by organonickel(II) complexes containing the monoanionic terdentate arlydiamine ligand system
[C₆H₂(CH₂NMe₂)(2)-2,6-R-4]

Source: ORGANOMETALLICS

Volume: 16

Issue: 23

Pages: 4985-4994

Published: NOV 11 1997

1.

By: Zhou, XBJ (Zhou, XBJ); Stobart, SR (Stobart, SR); Gossage, RA (Gossage, RA)

Title: (Phosphinoalkyl)silanes .4. Hydrozirconation as a non-photochemical route to (phosphinopropyl)silanes: Facile assembly of the bis(3-(diphenylphosphino)propyl)silyl ("biPSi") ligand framework. Access to the related poly(3-(dimethylsilyl)propyl)phosphines R_nP(CH₂CH₂CH₂SiMe₂H)(3-n) (n=1, R=Ph; n=0)

Source: INORGANIC CHEMISTRY

Volume: 36

Issue: 17

Pages: 3745-3749

Published: AUG 13 1997

1996

1.

By: Gossage, RA (Gossage, RA); McLennan, GD (McLennan, GD); Stobart, SR (Stobart, SR)

Title: (Phosphinoalkyl)silanes .3. Poly(o-(diphenylphosphino)benzyl)silanes: Synthesis, spectroscopic properties, and complexation at platinum or iridium

Source: INORGANIC CHEMISTRY

Volume: 35

Issue: 6

Pages: 1729-&

Published: MAR 13 1996

1992

1.

By: Malito, J (Malito, John); Alyea, EC (Alyea, Elmer C); Gossage, RA (Gossage, Robert A)

Title: Ligand effects in the substitution chemistry of cis-bis(piperidine)tetracarbonyl molybdenum(0) - Mo-95 NMR study

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY

Volume: 48

Issue: 6

Pages: 873-877

Published: JUN 1992

1990

2.**By:** Alyea, EC (Alyea, Elmer C); Gossage, RA (Gossage, Robert A); Malito, J (Malito, John); Munir, ZA (Munir, Zarita A)**Title:** Correlations of carbonyl stretching frequencies and P-31 and Mo-95 NMR parameters for fac-[Mo(CO)₃(bipy)(PR₃)] complexes**Source:** POLYHEDRON**Volume:** 9**Issue:** 8**Pages:** 1059-1063**Published:** 1990

1.**By:** Alyea, EC (Alyea, Elmer C); Ferguson, G (Ferguson, George); Fisher, KJ (Fisher, Keith J); Gossage, RA (Gossage, Robert A); Jennings, MC (Jennings, Michael C)**Title:** A MO-95 NMR study of bis[pentacarbonylmolybdenum(0)] bridging ditertiary phosphine complexes – the crystal structure of [Mo(CO)₅]₂(μ-Ph₂PCH₂CH₂CH₂PPh₂)**Source:** POLYHEDRON**Volume:** 9**Issue:** 19**Pages:** 2393-2397**Published:** 1990

1989

1.

By: Alyea, EC (Alyea, Elmer C); Fisher, KJ (Fisher, Keith J); Gossage, RA (Gossage, Robert A)

Title: Correlations of MO-95 NMR chemical shifts with ligand basicity in substituted pyridine pentacarbonylmolybdenum(0) complexes

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY

Volume: 45

Issue: 2

Pages: 203-206

Published: 1989

DATE: March 30, 2016