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Other IDs

Scopus Author ID: 6701712329 (<http://www.scopus.com/inward/authorDetails.url?authorID=6701712329&partnerID=MN8TOARS>)



Education (1)

University of Innsbruck: Innsbruck, Tyrol, Austria

Prof. Dr. (Institute of General, Inorganic and Theoretical Chemistry)

Employment (1)

University of Innsbruck: Innsbruck, Tyrol, Austria

University Professor (Institute of General, Inorganic and Theoretical Chemistry)

Works (55)

New High-Pressure Gallium Borate Ga₂B₃O₇(OH) with

Photocatalytic Activity

Inorganic Chemistry

2016 | journal-article

DOI: 10.1021/acs.inorgchem.5b02027 (<http://dx.doi.org/10.1021/acs.inorgchem.5b02027>)

EID: 2-s2.0-84955303948

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84955303948&partnerID=MN8TOA...>

Unusual stability of dyads during photochemical hydrogen

production

Dalton Transactions

2015 | journal-article

DOI: 10.1039/c5dt03414k (<http://dx.doi.org/10.1039/c5dt03414k>)

EID: 2-s2.0-84948784060

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84948784060&partnerID=MN8TOA...>

Linear α -olefins obtained with palladium(II) complexes

bearing a partially oxidized tetrphosphane

Organometallics

2014 | journal-article

DOI: 10.1021/om500573q (<http://dx.doi.org/10.1021/om500573q>)

EID: 2-s2.0-84905836858

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84905836858&partnerID=MN8TOA...>

Luminescent dinuclear Cu(I) complexes containing rigid

tetraphosphine ligands

Inorganic Chemistry

2014 | journal-article

DOI: 10.1021/ic5012204 (<http://dx.doi.org/10.1021/ic5012204>)

EID: 2-s2.0-84908245343

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84908245343&partnerID=MN8TOA...>

Versatile supramolecular coordination behaviour of a bis

(bidentate) tetrachosphane

European Journal of Inorganic Chemistry

2013 | journal-article

DOI: 10.1002/ejic.201300636 (<http://dx.doi.org/10.1002/ejic.201300636>)

EID: 2-s2.0-84885095358

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84885095358&partnerID=MN8TOA...>

Oxidative quenching within photosensitizer-acceptor dyads

based on bis(bidentate) phosphine-connected osmium(II)

bipyridyl light absorbers and reactive metal sites

Inorganic Chemistry Communications

2012 | journal-article

DOI: 10.1016/j.inoche.2012.06.001 (<http://dx.doi.org/10.1016/j.inoche.2012.06.001>)

EID: 2-s2.0-84864466940

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84864466940&partnerID=MN8TOA...>

Regioselective hydromethoxycarbonylation of terminal

alkynes catalyzed by palladium(II)-tetrachosph complexes

Organometallics

2012 | journal-article

DOI: 10.1021/om3003812 (<http://dx.doi.org/10.1021/om3003812>)

EID: 2-s2.0-84863676142

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84863676142&partnerID=MN8TOA...>

First microwave-assisted synthesis of an electron-rich

phosphane and its coordination chemistry with platinum(II)

and palladium(II)

Inorganica Chimica Acta

2011 | journal-article

DOI: 10.1016/j.ica.2011.05.020 (<http://dx.doi.org/10.1016/j.ica.2011.05.020>)

EID: 2-s2.0-80051580149

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-80051580149&partnerID=MN8TOA...>

Surprising photochemical reactivity and visible light-driven

energy transfer in heterodimetallic complexes

Dalton Transactions

2011 | journal-article

DOI: 10.1039/c0dt00253d (<http://dx.doi.org/10.1039/c0dt00253d>)

EID: 2-s2.0-79953289811

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-79953289811&partnerID=MN8TOA...>

Unusual ligand design: A platinum(II) mediated [2+2]

photocycloaddition followed by a nickel(II) induced

methoxyactivation

Inorganica Chimica Acta

2010 | journal-article

DOI: 10.1016/j.ica.2009.03.009 (<http://dx.doi.org/10.1016/j.ica.2009.03.009>)

EID: 2-s2.0-77953131956

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-77953131956&partnerID=MN8TOA...>

A novel linkage-isomeric pair of dinuclear Pd(II) complexes

bearing a bis-bidentate tetraphos ligand

Dalton Transactions

2009 | journal-article

DOI: 10.1039/b815392b (<http://dx.doi.org/10.1039/b815392b>)

EID: 2-s2.0-61349098044

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-61349098044&partnerID=MN8TOA...>

Switching on the photochemical reactivity in

heterodimetallic Os(II)-Ru(II) bipyridyl complexes containing a

bis(bidentate) phosphine

Inorganic Chemistry Communications

2007 | journal-article

DOI: 10.1016/j.inoche.2007.09.028 (<http://dx.doi.org/10.1016/j.inoche.2007.09.028>)

EID: 2-s2.0-36249021436

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-36249021436&partnerID=MN8TOA...>

The influence of steric pressure on the structure of

homodimetallic rhodium(I) and iridium(I) complexes

containing a bis(bidentate) phosphane ligand

European Journal of Inorganic Chemistry

2007 | journal-article

DOI: 10.1002/ejic.200601210 (<http://dx.doi.org/10.1002/ejic.200601210>)

EID: 2-s2.0-34547167426

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-34547167426&partnerID=MN8TOA...>

Synthesis and characterization of palladium(II) complexes

with new diphosponium-diphosphine and diphosphine

ligands. Production of low molecular weight alternating

polyketones via catalytic CO/ethene copolymerisation

Dalton Transactions

2006 | journal-article

DOI: 10.1039/b601154c (<http://dx.doi.org/10.1039/b601154c>)

EID: 2-s2.0-33745021833

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-33745021833&partnerID=MN8TOA...>

Unprecedented conformational modulation of the efficiency

of luminescence in Ru(II) bipyridyl complexes containing a

bis(bidentate) phosphine

Inorganic Chemistry Communications

2005 | journal-article

DOI: 10.1016/j.inoche.2005.01.009 (<http://dx.doi.org/10.1016/j.inoche.2005.01.009>)

EID: 2-s2.0-13544276297

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-13544276297&partnerID=MN8TOA...>

First true square-planar Hg(II) compound: Synthesis and

full characterization of trans-[Hg{Ph₂PNP(O)Ph₂-P,O}₂]

Inorganic Chemistry Communications

2003 | journal-article

DOI: 10.1016/S1387-7003(02)00684-6 ([http://dx.doi.org/10.1016/S1387-7003\(02\)00684-6](http://dx.doi.org/10.1016/S1387-7003(02)00684-6))

EID: 2-s2.0-0037227911

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0037227911&partnerID=MN8TOAR...>

Regioselective versus complete chalcogen transfer reactions of the bis(bidentate) phosphine cis,trans,cis-1,2,3,4-tetrakis-(diphenylphosphino) cyclobutane: Full characterization of new, hemilabile ligands and their complexes with palladium(II) and platinum (II)

Journal of the Chemical Society. Dalton Transactions

2003 | journal-article

EID: 2-s2.0-0141518622

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0141518622&partnerID=MN8TOAR...>

Schulz-Flory oligomerisation of ethylene by the binuclear nickel(II) complex Ni₂Cl₄ [cis,trans,cis-1,2,3,4-tetrakis-(diphenylphosphino)cyclobutane]

Journal of the Chemical Society. Dalton Transactions

2003 | journal-article

EID: 2-s2.0-0142227772

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0142227772&partnerID=MN8TOAR...>

Synthesis, catalytic properties and biological activity of new water soluble(ruthenium cyclopentadienyl PTA complexes [(C₅R₅)RuCl(PTA)₂] (R = H, me; PTA = 1,3,5-triaza-7-phosphaadamantane)

Chemical Communications

2003 | journal-article

DOI: 10.1039/b210102e (<http://dx.doi.org/10.1039/b210102e>)

EID: 2-s2.0-0037245239

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0037245239&partnerID=MN8TOAR...>

First regioselective protonation or selenization of a bis(bidentate) phosphine: Synthesis and characterization of cis,trans,cis-1,3-bis(diphenylphosphonium)-PH, P'H'-2,4-bis(diphenylphosphino)cyclobutane-diiodide and cis,trans,cis-1,3-bis(diphenylphosphinoselenoyl)-2,4-bis(diphenylphosphino) cyclobutane

Inorganic Chemistry Communications

2002 | journal-article

DOI: 10.1016/S1387-7003(02)00448-3 ([http://dx.doi.org/10.1016/S1387-7003\(02\)00448-3](http://dx.doi.org/10.1016/S1387-7003(02)00448-3))

EID: 2-s2.0-0036297280

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0036297280&partnerID=MN8TOAR...>

Novel diphosphine-modified palladium catalysts for oxidative carbonylation of styrene to methyl cinnamate

Journal of the Chemical Society. Dalton Transactions

2001 | journal-article

EID: 2-s2.0-0035820156

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0035820156&partnerID=MN8TOAR...>

Novel diphosphine-modified palladium catalysts for

oxidative carbonylation of styrene to methyl cinnamate

Journal of the Chemical Society, Dalton Transactions

2001 | journal-article

DOI: 10.1039/b009635k (<http://dx.doi.org/10.1039/b009635k>)

EID: 2-s2.0-52549092243

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-52549092243&partnerID=MN8TOA...>

Solution and solid state behaviour of binuclear mercury(II)

compounds containing cis,trans,cis-1,2,3,4-tetrakis-

(diphenylphosphino)cyclobutane: First X-ray structural

characterisation of mercury(II) complexes with two different

chelating phosphines

Polyhedron

2001 | journal-article

DOI: 10.1016/S0277-5387(01)00708-2 ([http://dx.doi.org/10.1016/S0277-5387\(01\)00708-2](http://dx.doi.org/10.1016/S0277-5387(01)00708-2))

EID: 2-s2.0-0035870480

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0035870480&partnerID=MN8TOAR...>

Unexpected photochemical reactivity of ruthenium(II)

polypyridine complexes induced by a bis(bidentate)

phosphine

Inorganic Chemistry

2001 | journal-article

DOI: 10.1021/ic010545+ (<http://dx.doi.org/10.1021/ic010545+>)

EID: 2-s2.0-0035977787

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0035977787&partnerID=MN8TOAR...>

First heterodifunctional ligand derived from a tetradentate

phosphine: Synthesis and characterization of cis, trans,

cis-1,3-bis(diphenylphosphino) 2,4-bis

(diphenylphosphinothioyl) cyclobutane and its complex

with PdCl₂

Inorganic Chemistry Communications

2000 | journal-article

DOI: 10.1016/S1387-7003(00)00097-6 ([http://dx.doi.org/10.1016/S1387-7003\(00\)00097-6](http://dx.doi.org/10.1016/S1387-7003(00)00097-6))

EID: 2-s2.0-0033829753

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0033829753&partnerID=MN8TOAR...>

New structurally rigid palladium catalysts for the alternating

copolymerization of carbon monoxide and ethene

Chemical Communications

2000 | journal-article

EID: 2-s2.0-0002983367

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0002983367&partnerID=MN8TOAR...>

Palladium(II), platinum(II), and platinum(IV) complexes containing trans-1,2-bis(diphenylphosphino)ethene or cis,trans,cis-1,2,3,4-tetrakis(diphenylphosphino)cyclobutane: Complete X-ray structural characterization of binuclear compounds

Polyhedron

2000 | journal-article

DOI: 10.1016/S0277-5387(00)00332-6 ([http://dx.doi.org/10.1016/S0277-5387\(00\)00332-6](http://dx.doi.org/10.1016/S0277-5387(00)00332-6))

EID: 2-s2.0-0034732574

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0034732574&partnerID=MN8TOAR...>

First complex of the monoprotonated trioxodinitrate anion:

Synthesis and characterization of [Hg₂(HN₂O₃)₂(NO₃)₂ (Ph₂PNHPPh₂)₂]

(Ph₂PNHPPh₂)₂]

Inorganic Chemistry Communications

1999 | journal-article

EID: 2-s2.0-0033430882

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0033430882&partnerID=MN8TOAR...>

Synthesis, platinum(II) complexes and structural aspects of the new tetradentate phosphine cis,trans,cis-1,2,3,4-tetrakis

(diphenylphosphino)cyclobutane

Inorganica Chimica Acta

1999 | journal-article

EID: 2-s2.0-0000386907

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0000386907&partnerID=MN8TOAR...>

Nickel(II), palladium(II), and platinum(II) complexes containing cis- or trans-1,2-bis(diphenylphosphino)ethene:

Isomorphous crystal structures in the cyanide case

Polyhedron

1998 | journal-article

EID: 2-s2.0-0000993160

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0000993160&partnerID=MN8TOAR...>

Nickel(II), palladium(II), platinum(II) and platinum(IV) complexes of cis-1,2-bis(diphenylphosphino)ethene and

nitrogen-containing heterocycles or sulfur ligands

Inorganica Chimica Acta

1998 | journal-article

EID: 2-s2.0-0000445968

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0000445968&partnerID=MN8TOAR...>

Structural impact of cis-1,2-bis(diphenylphosphino)ethene on the first hexanuclear palladium(II)-silver(I) complex with

triply-bridging sulfide ligands

Inorganic Chemistry Communications

1998 | journal-article

EID: 2-s2.0-0012405331

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0012405331&partnerID=MN8TOAR...>

Binary system of (R)- and (S)-nitrendipine - Polymorphism and structure

Journal of Pharmaceutical Sciences

1997 | journal-article

DOI: 10.1021/js9604772 (<http://dx.doi.org/10.1021/js9604772>)

EID: 2-s2.0-0030988123

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0030988123&partnerID=MN8TOAR...>

Binuclear palladium(II), platinum(II) and platinum(IV)

complexes containing 1,2-bis(diphenylphosphino)

acetylene: Different orientations of the diphosphine-bridges

due to metal-phosphorus $\sigma\pi$ - $\pi\sigma$ back bonding

Inorganica Chimica Acta

1997 | journal-article

EID: 2-s2.0-0000620605

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0000620605&partnerID=MN8TOAR...>

Structural differences in nickel(II) and palladium(II)

complexes containing cis-1,2-bis(diphenylphosphino)

ethene or 1,2-bis(diphenylphosphino)ethane

Polyhedron

1997 | journal-article

EID: 2-s2.0-0000901235

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0000901235&partnerID=MN8TOAR...>

Nickel(II) complexes containing 1,1,4,7,10, 10-

hexaphenyl-1,4,7,10-tetraphosphadecane: First X-ray

structures of nickel-tetraphos-1 complexes

Polyhedron

1996 | journal-article

DOI: 10.1016/0277-5387(95)00475-0 ([http://dx.doi.org/10.1016/0277-5387\(95\)00475-0](http://dx.doi.org/10.1016/0277-5387(95)00475-0))

EID: 2-s2.0-0013127987

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0013127987&partnerID=MN8TOAR...>

Palladium (II) and platinum (II) complexes of cis-1,2-bis

(diphenylphosphino)ethene: completely planar structures

due to π bonding in the case of platinum (II)

Inorganica Chimica Acta

1995 | journal-article

DOI: 10.1016/0020-1693(95)04682-Y ([http://dx.doi.org/10.1016/0020-1693\(95\)04682-Y](http://dx.doi.org/10.1016/0020-1693(95)04682-Y))

EID: 2-s2.0-0002025758

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0002025758&partnerID=MN8TOAR...>

PdII and PtII complexes containing 1,1,4,7,10,10-

hexaphenyl-1,4,7,10-tetraphosphadecane: First X-ray

structure of a Pd-tetraphos complex

Polyhedron

1995 | journal-article

DOI: 10.1016/0277-5387(94)00298-S ([http://dx.doi.org/10.1016/0277-5387\(94\)00298-S](http://dx.doi.org/10.1016/0277-5387(94)00298-S))

EID: 2-s2.0-0001140684

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0001140684&partnerID=MN8TOAR...>

Binuclear platinum(II) complexes of 1,1,4,7,10,10-hexaphenyl-1,4,7,10-tetraphosphadecane (P4) containing various bridging ligands as spacers between the P4

coordination units

Inorganica Chimica Acta

1994 | journal-article

DOI: 10.1016/0020-1693(94)03979-8 ([http://dx.doi.org/10.1016/0020-1693\(94\)03979-8](http://dx.doi.org/10.1016/0020-1693(94)03979-8))

EID: 2-s2.0-0002166974

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0002166974&partnerID=MN8TOAR...>

Binuclear platinum(II) complexes containing 1,1,4,7,10,10-hexaphenyl-1,4,7,10-tetraphosphadecane (P4): first X-ray

structure of a tetraphos dimer

Inorganica Chimica Acta

1992 | journal-article

DOI: 10.1016/S0020-1693(00)85522-X ([http://dx.doi.org/10.1016/S0020-1693\(00\)85522-X](http://dx.doi.org/10.1016/S0020-1693(00)85522-X))

EID: 2-s2.0-0002129129

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0002129129&partnerID=MN8TOAR...>

Kristallographische Gegenüberstellung der Monokationen von Bis(fulvalen)dieisen und Bis(fulvalen) eisen-cobalt mit

identischem Gegenion (PF₆⁻)

Journal of Organometallic Chemistry

1991 | journal-article

DOI: 10.1016/0022-328X(91)80206-Y ([http://dx.doi.org/10.1016/0022-328X\(91\)80206-Y](http://dx.doi.org/10.1016/0022-328X(91)80206-Y))

EID: 2-s2.0-4243554051

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-4243554051&partnerID=MN8TOAR...>

Five-coordinate platinum(II) hydrides containing 1,1,4,7,10,10-hexaphenyl-1,4,7,10-tetraphosphadecane as a tetradentate monometallic ligand

Inorganic Chemistry

1990 | journal-article

EID: 2-s2.0-4243692359

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-4243692359&partnerID=MN8TOAR...>

The reaction of [PtCl₄]²⁻ with 1,1,4,7,10,10-hexaphenyl-1,4,7,10-tetraphosphadecane: complete product selectivity via non-coordinating anions and isolation of two intermediates

Inorganica Chimica Acta

1989 | journal-article

DOI: 10.1016/S0020-1693(00)89281-6 ([http://dx.doi.org/10.1016/S0020-1693\(00\)89281-6](http://dx.doi.org/10.1016/S0020-1693(00)89281-6))

EID: 2-s2.0-24544460693

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-24544460693&partnerID=MN8TOA...>

Syntheses and phosphorus-31 NMR studies of five-coordinate platinum(II) complexes of tris(2-(diphenylphosphino)ethyl)phosphine and monodentate phosphorus ligands

phosphorus ligands

Inorganic Chemistry

1987 | journal-article

EID: 2-s2.0-4243502106

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-4243502106&partnerID=MN8TOAR...>

The platinum(II) hydride of tris(2-(diphenylphosphino)ethyl)

phosphine: a novel five-coordinate platinum monohydride

Inorganica Chimica Acta

1987 | journal-article

DOI: 10.1016/S0020-1693(00)86687-6 ([http://dx.doi.org/10.1016/S0020-1693\(00\)86687-6](http://dx.doi.org/10.1016/S0020-1693(00)86687-6))

EID: 2-s2.0-4244020083

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-4244020083&partnerID=MN8TOAR...>

Cooling of water/oil microemulsions: The cupric probe

Journal of Physical Chemistry

1986 | journal-article

EID: 2-s2.0-33845375052

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-33845375052&partnerID=MN8TOA...>

Trichlorostannatoplatinum(II) Complexes Containing

Polyphosphines: Synthesis and NMR(119Sn, 31P)

Characterization | Polyphosphinhaltige

Trichlorostannatoplatin(II)-Komplexe: Synthese und NMR

(119Sn, 31P)-Charakterisierung

Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences

1986 | journal-article

DOI: 10.1515/znb-1986-1214 (<http://dx.doi.org/10.1515/znb-1986-1214>)

EID: 2-s2.0-24244467675

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-24244467675&partnerID=MN8TOA...>

Devitrification of glassy water. Evidence for a discontinuity

of state?

Journal of Physical Chemistry

1983 | journal-article

EID: 2-s2.0-33845550038

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-33845550038&partnerID=MN8TOA...>

Evaluation of modified water by electron paramagnetic

resonance: No evidence for long-range order of water on

pore glasses

Journal of Colloid And Interface Science

1983 | journal-article

DOI: 10.1016/0021-9797(83)90292-8 ([http://dx.doi.org/10.1016/0021-9797\(83\)90292-8](http://dx.doi.org/10.1016/0021-9797(83)90292-8))

EID: 2-s2.0-0011484332

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0011484332&partnerID=MN8TOAR...>

Freezing of water in w/o emulsions

Journal of Dispersion Science and Technology

1982 | journal-article

DOI: 10.1080/01932698208943649 (<http://dx.doi.org/10.1080/01932698208943649>)

EID: 2-s2.0-0020296022

URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-0020296022&partnerID=MN8TOAR...>

Vitrification of pure liquid water by high pressure jet

freezing

Nature

1982 | journal-article

DOI: 10.1038/298715a0 (<http://dx.doi.org/10.1038/298715a0>)

EID: 2-s2.0-33749628819

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