

Maria L Buil

List of Publications by Year in descending order

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186265

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#	ARTICLE	IF	CITATIONS
1	Alkynyl Ligands as Building Blocks for the Preparation of Phosphorescent Iridium(III) Emitters: Alternative Synthetic Precursors and Procedures. <i>Inorganic Chemistry</i> , 2022, 61, 9019-9033.	4.0	7
2	Preparation and Degradation of Rhodium and Iridium Diolefin Catalysts for the Acceptorless and Base-Free Dehydrogenation of Secondary Alcohols. <i>Organometallics</i> , 2021, 40, 989-1003.	2.3	7
3	Recent Advances in Synthesis of Molecular Heteroleptic Osmium and Iridium Phosphorescent Emitters. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4731-4761.	2.0	23
4	Alternative Conceptual Approach to the Design of Bifunctional Catalysts: An Osmium Germylene System for the Dehydrogenation of Formic Acid. <i>Inorganic Chemistry</i> , 2021, 60, 16860-16870.	4.0	17
5	Dissimilarity in the Chemical Behavior of Osmaoxazolium Salts and Osmaoxazoles: Two Different Aromatic Metalladiheterocycles. <i>Organometallics</i> , 2021, 40, 4150-4162.	2.3	9
6	Nâ€‘H and Câ€‘H Bond Activations of an Isoindoline Promoted by Iridium- and Osmium-Polyhydride Complexes: A Noninnocent Bridge Ligand for Acceptorless and Base-Free Dehydrogenation of Secondary Alcohols. <i>Organometallics</i> , 2020, 39, 2719-2731.	2.3	14
7	Osmium Catalysts for Acceptorless and Base-Free Dehydrogenation of Alcohols and Amines: Unusual Coordination Modes of a BPI Anion. <i>Organometallics</i> , 2018, 37, 603-617.	2.3	33
8	Dehydrogenative Addition of Aldehydes to a Mixed NHC-Osmium-Phosphine Hydroxide Complex: Formation of Carboxylate Derivatives. <i>Organometallics</i> , 2016, 35, 2171-2173.	2.3	16
9	Square-Planar Alkylidyneâ€‘Osmium and Five-Coordinate Alkylideneâ€‘Osmium Complexes: Controlling the Transformation from Hydride-Alkylidyne to Alkylidene. <i>Journal of the American Chemical Society</i> , 2016, 138, 9720-9728.	13.7	34
10	An Entry to Stable Mixed Phosphineâ€‘Osmiumâ€‘NHC Polyhydrides. <i>Inorganic Chemistry</i> , 2016, 55, 5062-5070.	4.0	24
11	Hydroboration and Hydrogenation of an Osmiumâ€‘Carbon Triple Bond: Osmium Chemistry of a Bis-Î†-Borane. <i>Organometallics</i> , 2015, 34, 547-550.	2.3	29
12	Unprecedented Addition of Tetrahydroborate to an Osmiumâ€‘Carbon Triple Bond. <i>Organometallics</i> , 2014, 33, 2689-2692.	2.3	17
13	Osmium Catalyst for the Borrowing Hydrogen Methodology: Î±-Alkylation of Arylacetonitriles and Methyl Ketones. <i>ACS Catalysis</i> , 2013, 3, 2072-2075.	11.2	142
14	Perfluoro-tagged rhodium and ruthenium nanoparticles immobilized on silica gel as highly active catalysts for hydrogenation of arenes under mild conditions. <i>New Journal of Chemistry</i> , 2013, 37, 278-282.	2.8	22
15	Cationic Dihydride Boryl and Dihydride Silyl Osmium(IV) NHC Complexes: A Marked Diagonal Relationship. <i>Organometallics</i> , 2013, 32, 2744-2752.	2.3	29
16	Selective Hydration of Nitriles to Amides Promoted by an Osâ€‘NHC Catalyst: Formation and X-ray Characterization of Î²2-Amidate Intermediates. <i>Organometallics</i> , 2012, 31, 6861-6867.	2.3	56
17	From Tetrahydroborateâ€‘ to Aminoborylvinylideneâ€‘Osmium Complexes via Alkynylâ€‘Aminoboryl Intermediates. <i>Journal of the American Chemical Society</i> , 2011, 133, 2250-2263.	13.7	47
18	Câ€‘C Bond Activation of the NHC Ligand of an Osmiumâ€‘Amido Complex. <i>Organometallics</i> , 2010, 29, 4517-4523.	2.3	25

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19	Dicationic Alkyldiene ⁺ , Olefin ⁺ , and Alkoxyalkenylcarbene ⁺ Osmium Complexes Stabilized by a NHC Ligand. <i>Organometallics</i> , 2010, 29, 876-882.	2.3	17
20	Dehalogenation and Hydrogenation of Aromatic Compounds Catalyzed by Nanoparticles Generated from Rhodium Bis(imino)pyridine Complexes. <i>Organometallics</i> , 2010, 29, 4375-4383.	2.3	84
21	Trapping of a 12-Valence-Electron Osmium Intermediate. <i>Organometallics</i> , 2009, 28, 4606-4609.	2.3	12
22	Osmium ⁺ Alkenylcarbyne and ⁺ Alkenylcarbene Complexes with an Steroid Skeleton: Formation of a Testosterone Organometallic Derivative Containing the 7H-Amino Adenine Tautomer. <i>Organometallics</i> , 2009, 28, 5691-5696.	2.3	20
23	C _{sp²-H Bond Activation of α,β-Unsaturated Ketones Promoted by a Hydride-Elongated Dihydrogen Complex: Formation of Osmafuran Derivatives with Carbene, Carbyne, and NH-Tautomerized β-Substituted Pyridine Ligands. <i>Organometallics</i>, 2008, 27, 4680-4690.}	2.3	70
24	Preparation and X-ray Structures of Alkyl ⁺ Titanium(IV) Complexes Stabilized by Indenyl Ligands with a Pendant Ether or Amine Substituent and Their Use in the Catalytic Hydroamination of Alkynes. <i>Organometallics</i> , 2007, 26, 554-565.	2.3	44
25	Understanding the Formation of N ⁺ H Tautomers from β -Substituted Pyridines: β -Tautomerization of 2-Ethylpyridine Promoted by Osmium. <i>Journal of the American Chemical Society</i> , 2007, 129, 10998-10999.	13.7	75
26	Preparation of Half-Sandwich Alkyl ⁺ Titanium(IV) Complexes Stabilized by a Cyclopentadienyl Ligand with a Pendant Phosphine Tether and Their Use in the Catalytic Hydroamination of Aliphatic and Aromatic Alkynes. <i>Organometallics</i> , 2006, 25, 4079-4089.	2.3	33
27	Displacement of Phenyl and Styryl Ligands by Benzophenone Imine and 2-Vinylpyridine on Ruthenium and Osmium. <i>Organometallics</i> , 2006, 25, 3076-3083.	2.3	56
28	Ene-Type Reactions between an β -Alkenylphosphine and Terminal Alkynes Promoted by Osmium-Cyclopentadienyl Fragments. <i>Organometallics</i> , 2005, 24, 2030-2038.	2.3	44
29	The Cyclopentadienyl-Osmium Moiety as Template for the Formation of a Dihydronaphthylphosphine by Coupling between Phenylacetylene and an β -Alkenylphosphine. <i>Organometallics</i> , 2005, 24, 5180-5183.	2.3	21
30	A Four-Electron σ -Alkyne Complex as Precursor for Allenylidene Derivatives: β -Preparation, Structure, and Reactivity of [Os(η -5-C ₅ H ₅)(CCCP ₂)L(PiPr ₃)]PF ₆ (L = CO, PPh ₂). <i>Organometallics</i> , 2004, 23, 5787-5798.	2.3	57
31	Dehydrogenation of a Coordinated Alkylphosphine as a Method to Prepare Cyclopentadienyl- β -alkenylphosphine-osmium Complexes. <i>Organometallics</i> , 2004, 23, 1416-1423.	2.3	42
32	C ⁺ N and C ⁺ C Coupling Reactions: β -Preparation of New N-Heterocyclic Ruthenium Derivatives. <i>Organometallics</i> , 2003, 22, 162-171.	2.3	42
33	Preparation and Characterization of 4-Azoniaheptatrienyl, 4-Azaheptatrienyl, Ruthenapyrrolinone, and Pyrrolinyl Complexes of Ruthenium. <i>Organometallics</i> , 2003, 22, 5274-5284.	2.3	30
34	Regioselective Addition of Dienes to the C ² =C ³ Double Bond of the Allenylidene Ligand of [Ru(η -5-C ₅ H ₅)(CCCP ₂)(CO)(PiPr ₃)]BF ₄ . <i>Organometallics</i> , 2002, 21, 1841-1848.	2.3	41
35	Hydride ⁺ Hydroxyosmacyclopropene versus Hydride ⁺ Hydroxycarbyne and Cyclic Hydroxycarbene: β -Influence of the Substituents at the C(OH) Carbon Atom of the Carbon Donor Ligand. <i>Organometallics</i> , 2000, 19, 2184-2193.	2.3	68
36	Reactions of New Osmium ⁺ Dihydride Complexes with Terminal Alkynes: β -Metallacyclopropene versus Metal ⁺ Carbyne. Influence of the Alkyne Substituent. <i>Organometallics</i> , 1999, 18, 4949-4959.	2.3	74

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37	Synthesis and characterization of $(PPr_3)_2(CO)HRu(\eta^5-H)-(\eta^5-OMe)Ir(cod)$: an unusual example of a heterometallic complex containing a mixed hydridoalkoxide bridge. <i>New Journal of Chemistry</i> , 1999, 23, 403-406.	2.8	9
38	A new combination of donor and acceptor: bis(η^6 -benzene)chromium and hexafluorobenzene form a charge-transfer stacked crystal. <i>Chemical Communications</i> , 1999, , 1027-1028.	4.1	43
39	Synthesis and Characterization of Ruthenium/Osmium Complexes Containing η^5 -Bisalkenyl, η^5 -Alkenylvinylidene, and η^5 -Alkenylcarbene Bridge Ligands. <i>Organometallics</i> , 1999, 18, 1798-1800.	2.3	44
40	C-C Coupling of the Alkynyl and Alkenyl Fragments of $Os(C_2CO_2CH_3)\{CHCHC(O)OCH_3\}(CO)(PPr_3)_2$ by Action of HCl: The Vinylidene $[Os\{CHCHC(O)OCH_3\}(CCHCO_2CH_3)(CO)(PPr_3)_2]BF_4$ as Intermediate. <i>Organometallics</i> , 1999, 18, 5176-5179.	2.3	41
41	H-H Interaction in Four-Membered $P\hat{H}H\hat{H}M$ (M = Osmium, Ruthenium) Rings. <i>Organometallics</i> , 1998, 17, 3346-3355.	2.3	28
42	Five-Coordinate Complexes $MHCl(CO)(PPr_3)_2$ (M = Os, Ru) as Precursors for the Preparation of New Hydrido and Alkenyl Metallothiol and Monothio Diketone Derivatives. <i>Organometallics</i> , 1997, 16, 5748-5755.	2.3	41
43	The $Os(CO)(PPr_3)_2$ Unit as a Support for the Transformation of Two Alkyne Molecules into New Organometallic Ligands. <i>Organometallics</i> , 1997, 16, 3169-3177.	2.3	56
44	Reactions of $OsH_2(\eta^2-CH_2=CHEt)(CO)(PPr_3)_2$ with unsaturated organic molecules. <i>Journal of Organometallic Chemistry</i> , 1997, 545-546, 495-506.	1.8	19
45	Oxidative Addition of Group 14 Element Hydrido Compounds to $OsH_2(\eta^2-CH_2CHEt)(CO)(PPr_3)_2$: Synthesis and Characterization of the First Trihydrido Silyl, Trihydrido Germyl, and Trihydrido Stannyl Derivatives of Osmium(IV). <i>Inorganic Chemistry</i> , 1996, 35, 1250-1256.	4.0	52
46	Synthesis and Structure of $Ru\{Ph_6Sn_3(\mu_3-OMe)_2\}(\eta^2-H_2)(CO)(PPr_3)$ Containing a Tridentate Tin Donor Ligand and Coordinated Dihydrogen. <i>Journal of the American Chemical Society</i> , 1995, 117, 3619-3620.	13.7	24
47	Synthesis and Protonation of the Dithioformato Complex $OsH(\eta^2-S_2CH)(CO)(PPr_3)_2$. <i>Organometallics</i> , 1994, 13, 3746-3748.	2.3	38