Michael G Richmond

List of Publications by Year
in descending order

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211 papers	2,288 citations	279798 23 h-index	361022 35 g-index
213 all docs	213 docs citations	213 times ranked	950 citing authors

#	Article	IF	Citations
1	Models of the iron-only hydrogenase: a comparison of chelate and bridge isomers of Fe2(CO)4{Ph2PN(R)PPh2}(Î¼-pdt) as proton-reduction catalysts. Dalton Transactions, 2013, 42, 6775.	3.3	111
2	Nonheme Fe(IV) Oxo Complexes of Two New Pentadentate Ligands and Their Hydrogen-Atom and Oxygen-Atom Transfer Reactions. Inorganic Chemistry, 2015, 54, 7152-7164.	4.0	63
3	Phosphorus-carbon bond cleavage and tetrahedrane cluster activation in the reaction between bis(diphenylphosphino)maleic anhydride (BMA) and PhCCo3(CO)9. Syntheses, kinetic studies, and x-ray diffraction structures of PhCCo3(CO)7(bma) and [cyclic] Co3(CO)6(.mu.2-.eta.2,.eta.1-C(Ph)C:C(PPh2)C(O)OC(O))(.mu.2-PPh2). Organometallics, 1993, 12, 4779-4787.	2.3	62
4	Photochemically Activated Phosphorus-Carbon Bond Cleavage in the Binuclear Ruthenium Complex [cyclic] Ru2(CO)6(bpcd). Redox Reactivity, Molecular Orbital Properties, and X-ray Diffraction Structures of [cyclic] Ru2(CO)6(bpcd) and [cyclic] Ru2(CO)6[.mu.-C:C(PPh2)C(O)CH2C(O)](.mu.2-PPh2). Organometallics, 1995, 14, 4625-4634.	2.3	56
5	Biomimetics of the [FeFe]-hydrogenase enzyme: Identification of kinetically favoured apical-basal [Fe2(CO)4(Î¼-H){Î²2-Ph2PC(Me2)PPh2}(Î¼-pdt)]+ as a proton-reduction catalyst. Journal of Organometallic Chemistry, 2016, 812, 247-258.	1.8	54
6	Synthesis, Redox Reactivity, and X-ray Diffraction Structures of the Rhenium Carbonyl Complexes fac-ReBr(CO)3(bma) and [fac-ReBr(CO)3(bma)][Cp2Co]. Structural Consequences of Electron Accession in fac-ReBr(CO)3(bma). Organometallics, 1995, 14, 2387-2394.	2.3	48
7	Diphosphine Isomerization and Câ”H and Pâ”C Bond Cleavage Reactivity in the Triosmium Cluster Os3(CO)10(bpcd):Â Kinetic and Isotope Data for Reversible Ortho Metalation and X-ray Structures of the Bridging and Chelating Isomers of Os3(CO)10(bpcd) and the Benzyne-Substituted Cluster HOs3(CO)8(Î¼3-C6H4)[Î¼2,Î·1-PPhCC(PPh2)C(O)CH2C(O)]â€. Organometallics, 2006, 25, 930-945.	2.3	46
8	Photoinitiated Hydrosilations in Presence of Tetrahedral Heterometallic Clusters: Catalysis by Intact Clusters. Angewandte Chemie International Edition in English, 1982, 21, 786-787.	4.4	42
9	Acetylide Participation in Ligand Substitution and Pâ”C Bond Cleavage in the Reaction between HRu3(CO)9(Î¼3,Î·2,Î·2,Î·1-Câ‹®CPh) and 4,5-Bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd). Syntheses and X-ray Structures of HRu3(CO)7[Î¼3,Î·2,Î·2,Î·1,Î·1,Î·1-Ph2PCCC(O)CH2C(O)PPh2CCPh] and Ru3(CO)7(Î¼-Î·2,Î·1-PhCCHPh)[Î¼2,Î·2,Î·1-PPhCCC(O)CH2C(O)PPh2]. Organometallics, 2003, 22, 1953-1959.	2.3	41
10	Reversible Isomerization of a Diphosphine Ligand about a Triosmium Cluster:Â Synthesis, Kinetics, and X-ray Structures for the Bridging and Chelating Isomers of Os3(CO)10[(Z)-Ph2PCHCHPPh2]. Organometallics, 2005, 24, 5431-5439.	2.3	40
11	Reversible Chelate-to-Bridge Ligand Exchange in Co2(CO)4(.mu.-PhC.tplbond.CPh)(bma) and Alkyne-Diphosphine Ligand Coupling. Synthesis, Reactivity, and Molecular Structures of Co2(CO)4(.mu.-PhC.tplbond.CPh)(bma), Co2(CO)4(.mu.-PhC.tplbond.CPh){(Z)-Ph2PCH:CHPPh2}, and Co2(CO)4{.eta.2,.eta.2,.eta.1,.eta.1-(Z)-Ph2PC(Ph):(Ph)CC:C(PPh2)C(O)OC(O)}. Organometallics, 1994, 13, 3788-3799.	2.3	38
12	Hydrogenase biomimetics with redox-active ligands: Electrocatalytic proton reduction by [Fe2(CO)4(Î²2-diamine)(Î¼-edt)] (diamine = 2,2â€²-bipy, 1,10-phen). Polyhedron, 2016, 116, 127-135.	2.2	36
13	1,1â€²-Bis(diphenylphosphino)ferrocene ligand substitution in the benzylidyne-capped cluster PhCCo3(CO)9. Synthesis, X-ray structure, and redox reactivity of PhCCo3(CO)7(dppf). Journal of Organometallic Chemistry, 1993, 445, 163-170.	1.8	35
14	Ortho-Metalation Dynamics and Ligand Fluxionality in the Conversion of Os₃(CO)₁₀(dppm) to HOs₃(CO)₈[Î¼-PhP(C₆H₄-Î¼₂,Î·¹)CH₂PPh₂]. Experimental and DFT Evidence for the Participation of Agostic Câ”H and Ï€-Aryl Intermediates at an Intact Triosmium Cluster. Organometallics, 2010, 29, 4041-4057.	2.3	35
15	Phosphine Ligand Attack at Both the Methylidyne Cap and the CpNi Center in HCCo2NiCp(CO)6 by 2,3-Bis(diphenylphosphino)maleic Anhydride (bma):â€‰ Pâ”C Bond Cleavage Reactivity, Kinetics, and X-ray Structures of the Zwitterionic Clusters Co2NiCp(CO)4(Î¼-CO)[Î¼2,Î·2,Î·1-C(H)PPh2CC(PPh2)C(O)OC(O)] and Co2NiCp(CO)4[Î¼2,Î·2,Ïƒ-C(H)PPh2CCC(O)OC(O)](Î¼2-PPh2). Organometallics, 2003, 22, 1383-1390.	2.3	33
16	Models of the iron-only hydrogenase enzyme: structure, electrochemistry and catalytic activity of Fe₂(CO)₃(Î¼-dithiolate)(Î¼,Î²¹,Î²²-triphos). Dalton Transactions, 2019, 48, 6174-6190.	3.3	31
17	Hydrogenase biomimics containing redox-active ligands: Fe₂(CO)₄(Î¼-edt)(Î²²-bpcd) with electron-acceptor 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) as a potential [Fe₄â€“S₄]_H surrogate. Dalton Transactions, 2019, 48, 6051-6060.	3.3	31
18	Regioselective phosphine attack on the coordinated alkyne in Co2(Î¼-alkyne) complexes Reactivity studies and X-ray diffraction structures of Co2(CO)4(bma)(Î¼-HCî—¼CtBu) and the zwitterionic hydrocarbyl complexes. Journal of Organometallic Chemistry, 1996, 516, 65-80.	1.8	28

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19	Cycloruthenation ofN-(Naphthyl)salicylaldimine and Related Ligands: Utilization of the Ru-C Bond in Catalytic Transfer Hydrogenation. European Journal of Inorganic Chemistry, 2014, 2014, 4600-4610.	2.0	27
20	An EPR Study of 2,3-Bis(diphenylphosphino)maleic Anhydride (BMA) Complexes and the BMA Radical Anion. Inorganic Chemistry, 1998, 37, 4849-4856.	4.0	26
21	Title is missing!. Structural Chemistry, 2001, 12, 225-235.	2.0	25
22	Bidentate ligand substitution in PhCCo3(CO)9. Synthesis, molecular structure, and redox reactivity of		

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37	Diastereoselectivity and Regioselectivity in the Intramolecular Phosphine Attack on a Coordinated Alkyne Ligand in Co2(CO)4(bmf)(.mu.-PhC.tplbond.CH). Formation of the Chiral Hydrocarbyl Complex Co2(CO)4[.mu.-.eta.2,.eta.2,.eta.1,.eta.1-PhC:C(H)PPh2C:C(PPh2)C(O)OCH(OMe)]. Organometallics, 1995, 14, 4977-4979.	2.3	17
38	Bis(dimethylphosphino)ethane substitution in PhCCo3(CO)9: Synthesis and X-ray structure of the phosphine-bridged cluster PhCCo3(CO)7(dmpe). Journal of Organometallic Chemistry, 1991, 418, 231-239.	1.8	16
39	Annual survey of organometallic metal cluster chemistry for the year 2002. Coordination Chemistry Reviews, 2004, 248, 881-901.	18.8	16
40	Ligand substitution of the redox-active diphosphine 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) in the alkynyl-bridged cluster Ru3(CO)9(Î¼2-H)(Î¼3-Î½2-Cî—¼CtBu). Synthesis, X-ray structure and electrochemical properties of Ru3(CO)7(Î¼2-H)(Î¼3-Î½2-Cî—¼CtBu) (bpcd). Journal of Organometallic Chemistry, 1995, 505, 1-9.	1.8	15
41	CO replacement in Ru3(CO)12 by 2,3-bis(diphenylphosphino)maleic anhydride (bma). X-ray structures of Ru3(CO)10(bma)Â·H2O and. Journal of Chemical Crystallography, 1997, 27, 649-656.	1.1	15
42	Title is missing!. Journal of Chemical Crystallography, 1999, 29, 391-397.	1.1	15
43	Annual survey of organometallic metal cluster chemistry for the year 2003. Coordination Chemistry Reviews, 2005, 249, 2763-2786.	18.8	15
44	Synthesis and reactivity studies of the diphosphine ligand 2-(ferrocenylidene)-4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (fbpcd): Bridge-to-chelate ligand isomerization kinetics in Os3(CO)10(fbpcd) and X-ray diffraction structure of the ortho-metalated cluster HOs3(CO)9[Î¼-PhP(C6H4)CC(PPh2)C(O)CCH(C5H4FeCp)C(O)]. Polyhedron, 2007, 26, 3585-3594.	2.2	15
45	Ligand degradation and phosphorus scavenging in the reaction between 1,2-bis(diphenylphosphino)benzene (dppbz) and Ru6(Î¼6-C)(CO)17: Synthesis and X-ray structure of the edge-bridged square-pyramidal cluster HRu6(Î¼5-C)(Î¼3-P)(CO)14(dppbz). Journal of Organometallic Chemistry, 2007, 692, 1648-1652.	1.8	15
46	Ligand substitution behavior of Ru6(Î¼6-C)(CO)17 with unsaturated diphosphines: facile capping of a polyhedral face and photochemically promoted Pâ€“C bond cleavage in the clusterRu6(Î¼6-C)(CO)14(Î¼3-bpcd). Dalton Transactions, 2010, 39, 1620-1629.	3.3	15
47	Characterization of the Hypho Cluster Co3(CO)5(.mu.-CO)(PMe3)[.mu.2-.eta.2:.eta.1-C(Ph)C:C(PPh2)C(O)OC(O)](.mu.2-PPh2) and the Phosphine-Substituted Arachno Cluster Co3(CO)5(PMe3)[.mu.2-.eta.2:.eta.1-C(Ph)C:C(PPh2)C(O)OC(O)](.mu.2-PPh2). Organometallics, 1995, 14, 4909-4914.	2.3	14
48	CO substitution and diphosphine ligand chelation in the reaction between		

#	Article	IF	Citations
55	Synthesis, structure and bonding of new mono- and dinuclear molybdenum complexes containing pyridine-2-thiolate (pyS) and different P-donors. Inorganica Chimica Acta, 2015, 434, 150-157.	2.4	13
56	Electrocatalytic proton reduction by thiolate-capped triiron clusters [Fe3(CO)9(Î¼3-SR)(Î¼-H)] (Râ€¯=â€¯iPr, tBu). Inorganica Chimica Acta, 2018, 480, 47-53.	2.4	13
57	Reaction of 6-Methyl-2,2â€²-bipyridine with $Os_3(CO)_{10}(MeCN)_2$: Syntheses, Reductive Elimination/Ligand Displacement Kinetics, and X-ray Diffraction Structures of the Isomeric Clusters $HOs_3(CO)_9(\mu-\eta^2-N_2C_{11}H_9)$ and $H_2Os_3(CO)_8(\mu-\eta^3-N_2C_{11}H_8)$. Organometallics, 2008, 27, 3018-3028.	2.3	12
58	Reactions of Ru3(CO)10(Î¼-dppm) with Ph3GeH: Geâ€“H and Geâ€“C bond cleavage in Ph3GeH at triruthenium clusters. Journal of Organometallic Chemistry, 2017, 843, 75-86.	1.8	12
59	Title is missing!. Structural Chemistry, 2001, 12, 237-242.	2.0	11
60	Directed Synthesis of the Triangular Mixed-Metal Cluster $H_2RhRe_2Cp^*(CO)_9$: Ligand Fluxionality and Facile Cluster Fragmentation in the Presence of CO, Halogenated Solvents, and Thiols. Organometallics, 2010, 29, 61-75.	2.3	11
61	DFT Investigation of the Mechanism of Phosphine-Thioether Isomerization in the Triosmium Cluster $Os_3(CO)_{10}(Ph_2PCH_2CH_2SMe)$: Migratory Preference for the Formation of an Edge-Bridged Thioether versus a Phosphine Moiety. Organometallics, 2012, 31, 6608-6613.	2.3	11
62	CO Substitution in HOs3(CO)10(Î¼-SC6H4Me-4) by the Diphosphine 4,5-Bis(diphenylphosphino)-4-cyclopentadiene-1,3-dione (bpcd): Structural and DFT Evaluation of the Isomeric Clusters HOs3(CO)8(bpcd)(Î¼-SC6H4Me-4). Journal of Cluster Science, 2012, 23, 685-702.	3.3	11
63	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure and Regioselective Thermal Rearrangements of $Os_3(CO)_{10}\{\mu-Ph_2PCH(Me)PPh_2\}$. Journal of Cluster Science, 2012, 23, 781-798.	3.3	11
64	Electrocatalytic proton reduction catalysed by the low-valent tetrairon-oxo cluster $[Fe_4(CO)_{10}(\mu^2\text{-dppn})(\mu_4\text{-O})]^{2-}$ [dppn = 1,1â€²-bis(diphenylphosphino)naphthalene]. Dalton Transactions, 2015, 44, 5160-5169.	3.3	11
65	A new diphosphine-carbonyl complex of ruthenium: an efficient precursor for Câ€“C and Câ€“N bond coupling catalysis. Dalton Transactions, 2018, 47, 10264-10272.	3.3	11
66	Biomimics of [FeFe]-hydrogenases incorporating redox-active ligands: synthesis, redox properties and spectroelectrochemistry of diiron-dithiolate complexes with ferrocenyl-diphosphines as Fe_4S_4 surrogates. Dalton Transactions, 2022, 51, 9748-9769.	3.3	11
67	Title is missing!. Journal of Chemical Crystallography, 1998, 28, 401-407.	1.1	10
68	CO substitution in H4Ru4(CO)12 by the diphosphine ligands 1,2-bis(diphenylphosphino)benzene (dppbz) and 1,8-bis(diphenylphosphino)naphthalene (dppn): X-ray diffraction structures of the diphosphine-chelated clusters 1,1-H4Ru4(CO)10(dppbz) and 1,1-H4Ru4(CO)10(dppn). Polyhedron, 2007, 26, 3602-3608.	2.2	10
69	Reaction of 4-(2,2-dimethylhydrazino)dimethylhydrazone-3(Z)-penten-2-one with BrRe(CO)5 and fac-BrRe(CO)3(THF)2: Synthesis, structural characterization, and DFT examination of the Î²-diketimine-substituted compound fac-BrRe(CO)3[(Me2NNCMe)2CH2]. Journal of Organometallic Chemistry, 2013, 748, 56-62.	1.8	10
70	Synthesis, Characterization, and Dynamic Behaviour of Triosmium Clusters Containing the Tridentate Ligand {Ph2PCH2CH2}2S (PSP). European Journal of Inorganic Chemistry, 2013, 2013, 2447-2459.	2.0	10
71	Unusual chemical transformations of acetone thiosemicarbazone mediated by ruthenium: Câ€“H bond activation, thiolation, and Câ€“N bond cleavage. RSC Advances, 2014, 4, 1432-1440.	3.6	10
72	Experimental and computational preference for phosphine regioselectivity and stereoselective tripodal rotation in $HOs_3(CO)_8(PPh_3)_2(\mu\text{-}1,2\text{-}N,C\text{-}\eta^1,\eta^1\text{-}C_7H$ RSC Advances, 2018, 8, 32672-32683.	3.6	10

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73	Hydrogenase Biomimetics with Redox-Active Ligands: Synthesis, Structure, and Electrocatalytic Studies on [Fe2(CO)4(Îº2-dppn)(Âµ-edt)] (edt = Ethanedithiolate; dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 737 Td (1,8-bis	1.7	10
74	Nucleophilic discrimination in a mixed-metal phosphinidene-capped cluster. Formation of phosphido and cobalt-acyl derivatives. Inorganic Chemistry, 1991, 30, 1703-1709.	4.0	9
75	Title is missing!. Journal of Chemical Crystallography, 1999, 29, 587-595.	1.1	9
76	Reduction and Oxidation of the Arachno Clusters Fe2(CO)6(Î¼-S)2PtL2:â€‰ Characterization of Distinct One- and Two-Electron Transfer Sites in Heteropolynuclear Compounds. Organometallics, 2002, 21, 1247-1256.	2.3	9
77	CO substitution in the mixed-metal clusters PhCCo2Ni(CO)6Cp and PhCCo2Mo(CO)8Cp by (Z)-Ph2PCH=CHPPh2. X-ray diffraction structures and proof of ligand bridging in PhCCo2Ni(CO)4[(Z)-Ph2PCH=CHPPh2]Cp and PhCCo2Mo(CO)6[(Z)-Ph2PCH=CHPPh2]Cp. Journal of Chemical Crystallography, 2004, 34, 883-891.	1.1	9
78	Dynamic Behavior of the Diphosphine Ligand in H4Ru4(CO)10(dppe) Revisited:Â Kinetic Data Supporting a Nondissociative Isomerization of the Dppe Ligand. Inorganic Chemistry, 2006, 45, 5976-5979.	4.0	9
79	Pincer ligand coordination at a triosmium cluster: X-ray structures of 1,2-Os3(CO)10[4,6-bis(diphenylphosphinomethyl)-m-xylene] and 1,2-Os3(CO)10[1-diphenylphosphino-1-{(2,4-dimethyl-5-diphenylphosphinomethyl)phenyl}-propan-2-ol]. Journal of Organometallic Chemistry, 2007, 692, 1806-1811.	1.8	9
80	Ligand chelation, Pâ€“C bond cleavage, and phenyl-group transfer in the reaction between RCCo3(CO)9 and 1,8-bis(diphenylphosphino)naphthalene (dppn): Syntheses and X-ray diffraction structures of PhCCo3(CO)4(Î¼-CO)3(dppn) and PhCCo3(CO)8[Î·1-PPh(OH)C10H6P(O)Ph2]. Journal of Organometallic Chemistry, 2007, 692, 968-975.	1.8	9
81	Phosphinoborane-induced fragmentation of the unsaturated hydride H2Re2(CO)8: X-ray structure of HRe(CO)4(ÎºB,P-Ph2PCH2CH2BR2) (where BR2Â=Â9-borabicyclo[3.3.1]nonanyl) and DFT Evaluation of hydride versus CO coordination by the ancillary borane. Journal of Organometallic Chemistry, 2012, 700, 103-109.	1.8	9
82	A comparative study of the reactivity of the lightly stabilized cluster [Os3(CO)8{Î¼3-Ph2PCH2P(Ph)C6H4}(Î¼-H)] towards tri(2-thienyl)-, tri(2-furyl)- and triphenyl-phosphine. Journal of Organometallic Chemistry, 2014, 751, 399-411.	1.8	9
83	Backbone modified small bite-angle diphosphines: Synthesis, structure, and DFT evaluation of the thermal activation products based on Os3(CO)10{Î¼-Ph2PC(Me)2PPh2}. Journal of Organometallic Chemistry, 2014, 750, 49-58.	1.8	9
84	Experimental and computational studies on the reaction of silanes with the diphosphine-bridged triruthenium clusters Ru3(CO)10(Î¼-dppf), Ru3(CO)10(Î¼-dppm) and Ru3(CO)9{Î¼3-PPhCH2PPh(C6H4)}. Journal of Organometallic Chemistry, 2014, 767, 185-195.	1.8	9
85	Reaction of Ph2PH with the tetracobalt cluster Co4(CO)10(Î¼4-PPh)2. Kinetic studies of sequential CO replacement and X-ray crystal structure of Co4(CO)8(Î¼4-PPh)2(Ph2PH)2. Journal of Organometallic Chemistry, 1989, 372, 417-435.	1.8	8
86	Unusual chemical reactivity in the reactions of Re2(CO)8(Î¼-H)(Î¼-Î·1,Î·2-CHî˜…CHBu) with 2,3-bis(diphenylphosphino)maleic anhydride (bma) and Re2(CO)8(bma) with Ni(cod)2: X-ray diffraction structures of Re2(CO)8(bma), zwitterionic Re(CO)4[Re(CO)4(bma)], and the phosphido-bridged complex Re2(CO)8[Î¼-Î·1,Î·1-(O)](Î¼-PPh2). Journal of Organometallic Chemistry, 2004, 689, 791-800.	1.8	8
87	Dimethyl Acetylenedicarboxylate (dmad) Reactivity with the Mixed-Metal Cluster Co2Rh2(CO)12:â€‰ Facile Cluster Fragmentation and Highly Specific Metal Redistribution to Give the Butterfly Cluster Co3Rh(CO)10(Î¼-dmad) and the Planar Cluster CoRh3(CO)9(Î¼-dmad)3. Organometallics, 2005, 24, 4687-4690.	2.3	8
88	Syntheses and X-ray structures of the bridging and chelating isomers of Os3(CO)10(dmpe). Journal of Chemical Crystallography, 2006, 36, 123-128.	1.1	8
89	Synthesis, electrochemistry, MO properties, and X-ray diffraction structures of the new redox-active diphosphine ligand 2-(2-thienylidene)-4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (tbpcd) and the rhenium compound fac-BrRe(CO)3(tbpcd). Polyhedron, 2007, 26, 3577-3584.	2.2	8
90	New octahedral Ta(V) hydrazido-substituted compounds for atomic layer deposition: Syntheses, X-ray diffraction structures of TaCl(NMe2)3[N(TMS)NMe2] and Ta(NMe2)4[N(TMS)NMe2], and fluxional behavior of the amido and hydrazido ligands in solution. Polyhedron, 2010, 29, 1754-1759.	2.2	8

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91	Synthesis and Characterization of Dimethylbis(2-pyridyl)borate Nickel(II) Complexes: Unimolecular Square-Planar to Square-Planar Rotation around Nickel(II). Organometallics, 2014, 33, 2019-2026.	2.3	8
92	Synthesis, structure, and conformational dynamics of rhodium and iridium complexes of dimethylbis(2-pyridyl)borate. Polyhedron, 2014, 84, 24-31.	2.2	8
93	Mixed main group transition metal clusters: Reactions of [Ru 3 (CO) 10 (Î¼-dppm)] with Ph 3 SnH. Journal of Organometallic Chemistry, 2017, 840, 47-55.	1.8	8
94	Synthesis and molecular structures of the 52-electron triiron telluride clusters [Fe3(CO)8(Î¼3-Te)2(Îº2-diphosphine)] - Electrochemical properties and activity as proton reduction catalysts. Journal of Organometallic Chemistry, 2018, 867, 381-390.	1.8	8
95	Synthesis, redox properties, and X-ray diffraction structure of the platinum catecholate complex Pt(1,5-COD)(1,2-O2C6H4). Journal of Chemical Crystallography, 1996, 26, 335-340.	1.1	7
96	Synthesis, redox chemistry, and X-ray structure of the mixed-metal cluster Fe2(CO)6(Î¼3-S)2Ni(dppf). Journal of Chemical Crystallography, 1999, 29, 871-876.	1.1	7
97	Title is missing!. Journal of Chemical Crystallography, 2003, 33, 541-547.	1.1	7
98	Title is missing!. Structural Chemistry, 2003, 14, 369-375.	2.0	7
99	Thermolysis of the tetrahedrane cluster PhCCo3(CO)3(Î¼-CO)Cp2 with the unsaturated diphosphine ligands (Z)-Ph2PCH=CHPPh2 and 4,5-Bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd): Redox properties and molecular structure of PhCCo3(CO)(Î¼-CO)[(Z)-Ph2PCH=CHPPh2]Cp2. Journal of Chemical Crystallography, 2005, 35, 157-165.	1.1	7
100	CO substitution in HRu3(CO)10(Î¼-COMe) by the unsaturated diphosphine ligand 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd): Synthesis and reactivity studies of the face-capped cluster Ru3(CO)7(Î¼3-COMe)[Î¼-P(Ph)CC(PPh2)C(O)CH2C(O)]. Journal of Organometallic Chemistry, 2008, 693, 2327-2337.	1.8	7
101	Synthesis, reactivity investigation, and X-ray diffraction structures of new platinum(II) compounds containing redox-active diphosphine ligands. Journal of Molecular Structure, 2009, 919, 34-40.	3.6	7
102	Allyl Ligand Reactivity in Tantalum(V) Compounds: Experimental and Computational Evidence for Allyl Transfer to the Formamidinate Ligand in fac-Ta(NMe₂)₃(Î·¹-allyl)[ⁱPrNC(H)NⁱPr] via a Metallo-Claisen Rearrangement. Organometallics, 2011, 30, 5832-5843.	2.3	7
103	Diastereomeric control of enantioselectivity: evidence for metal cluster catalysis. Chemical Communications, 2014, 50, 7705-7708.	4.1	7
104	Phenazine-substituted polynuclear osmium clusters: Synthesis and DFT evaluation of the C-metalated derivatives Os3(CO)9(Î¼3,Î·2-C12H7N2)(Î¼-H) and Os3(CO)9(Î¼3,Î·2-C12H6N2)(Î¼-H)2. Journal of Organometallic Chemistry, 2015, 779, 21-29.	1.8	7
105	Reversible C-H bond activation at a triosmium centre: A comparative study of the reactivity of unsaturated triosmium clusters Os 3 (CO) 8 (Î¼-dppm)(Î¼-H) 2 and Os 3 (CO) 8 (Î¼-dppf)(Î¼-H) 2 with activated alkynes. Journal of Organometallic Chemistry, 2017, 836-837, 68-80.	1.8	7
106	Reactions of [Os3(CO)10(Î¼-dppm)] and [HOs3(CO)8{Î¼3-Ph2PCH2P(Ph)C6H4}] with Bu3GeH: Geâ€“H and Geâ€“C bond cleavage at triosmium centers. Journal of Organometallic Chemistry, 2019, 898, 120862.	1.8	7
107	Reactions of [Ru3(CO)12] with thiosaccharin: Synthesis and structure of di-, tri-, tetra- and penta-ruthenium complexes containing a thiosaccharinate ligand(s). Journal of Organometallic Chemistry, 2020, 906, 121048.	1.8	7
108	Electron Transfer Mediated by Iron Carbonyl Clusters Enhance Lightâ€Driven Hydrogen Evolution in Water by Quantum Dots. ChemSusChem, 2020, 13, 3252-3260.	6.8	7

#	Article	IF	Citations
109	Facile Os-Os bond cleavage in the reactions of [Os3(CO)10(NCMe)2] and [Os3(CO)10(Î¼-H)2] with tetramethylthiuram disulfide (tmtd): Syntheses and crystal structures of new polynuclear osmium carbonyl complexes containing a dimethyldithiocarbamate ligand(s). Journal of Organometallic Chemistry, 2020, 911, 121133.	1.8	7
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200	CO replacement in the tetrahedrane cluster MeC(O)CCo3(CO)9 by the diphosphine ligand 4,5-bis(diphenylphosphino)-4-cyclopenten-l,3-dione (bpcd): Diphosphine ligand isomerization and X-ray structure of the bridged cluster MeC(O)CCo3(CO)7(bpcd). Journal of Chemical Crystallography, 2006, 36, 509-515.	1.1	1
201	Ligand-induced polyhedral opening in the mixed-metal cluster MeCCo2NiCp(CO)6 by 4,5-Bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd): X-ray structure of Co2NiCp(CO)4[Î¼2,Î·2,Î·1-C(Me)C=C(PPh2)C(O)CH2C(O)](Î¼2-PPh2). Journal of Chemical Crystallography, 2006, 36, 823-830.	1.1	1
202	Transfer of Amide and 2-Methoxyethoxy Groups and Sodium Encapsulation in the Reaction of TaCl3[N(TMS)2]2 with Sodium Bis(2-methoxyethoxy)aluminum Hydride: X-ray Structure of [NaAl{N(TMS)2}(OCH2CH2OMe)3]2. Journal of Chemical Crystallography, 2009, 39, 428-432.	1.1	1
203	Synthesis of the donorâ€“acceptor ligand 2-(4-dimethylaminobenzylidene)-4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (dbpcd) and X-ray diffraction structure of the platinum(II) compound PtCl2(dbpcd)Â·1.5CH2Cl2. Inorganica Chimica Acta, 2010, 363, 418-423.	2.4	1
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205	New Tri- and Pentanuclear Osmium Clusters from [Os3(CO)10(NCMe)2] and Pyrrolidine: Reactivity and X-ray Structure of [HOs3(CO)9(Âµ,Î²2-N=C(CH3)C=NCH2CH2CH2)] and [H3Os5(CO)14(Âµ,Î·1,Î²1-N=CCH2CH2CH2)]. Journal of Cluster Science, 0, , .	2.3	1
206	Diverse ligand substitution behavior in the reaction of H4Os4(CO)12 with 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) and Me3NO: Spectroscopic characterization of the diphosphine chelating and bridging isomers H4Os4(CO)10(bpcd) and the X-ray diffraction structures of the tetraosmium clusters H4Os4(CO)11(NMe3) and 1,2-H4Os4(CO)10(NMe3)($$eta^{1}$$) Tj ETQq0 0 0 rgBT /Overloc	1.1	0
207	Photochemical reactivity of the triosmium cluster 1,1-Os3(CO)10(bpcd) in the presence of P(OEt)3 and X-ray crystal structure of HOs3(CO)7[P(OEt)3][Î¼-{PPh(C6H4)} C=C(PPh2)C(O)CH2C(O)]: Unexpected ortho metalation and cluster face capping by a diphosphine ligand. Journal of Chemical Crystallography, 2007, 37, 247-253.	1.1	0
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210	Bimodal substitution behavior in the reaction of N,Nâ€™-diisopropylformamidine with [Os3(CO)10(NCMe)2]: Kinetics and molecular structures of the formamidinate-substituted clusters HOs3(CO)9[Î¼-C(O)NPr C(H)NPr], HOs3(CO)10[Î¼-NPr C(H)NPr], and HOs3(CO)9[Î¼3-NPr C(H)NPr]. Journal of Organometallic Chemistry, 2021, 936, 121709.	1.8	0
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