Michael G Richmond

List of Publications by Year
in descending order

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	Stereochemical control of the diphosphine and alkyne ligands in triruthenium clusters: the effect of reversible CO loss/addition on the ligand distribution in [Ru3(Âµ3,Î·2-PhCCPh){Âµ,Î·2-Ph2PCH(Me)PPh2}(CO)7,8]. Journal of Organometallic Chemistry, 2022, , 122337.	1.8	1
2	Biomimics of [FeFe]-hydrogenases incorporating redox-active ligands: synthesis, redox properties and spectroelectrochemistry of diiron-dithiolate complexes with ferrocenyl-diphosphines as Fe₄S₄ surrogates. Dalton Transactions, 2022, 51, 9748-9769.	3.3	11
3	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
4	Proton reduction by phosphinidene-capped triiron clusters. Journal of Organometallic Chemistry, 2021, 943, 121816.	1.8	0
5	Ligand coordination in [Re2(CO)9(NCMe)] and [H3Re3(CO)11(NCMe)] by triphenylantimony: Reactivity studies and Sbâ€“Ph bond cleavage to give new antimony-containing di- and trirhenium complexes. Journal of Organometallic Chemistry, 2021, 953, 122034.	1.8	2
6	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
7	Reactions of triosmium and triruthenium clusters with 2-ethynylpyridine: new modes for alkyne Câ€“C bond coupling and Câ€“H bond activation. RSC Advances, 2020, 10, 30671-30682.	3.6	6
8	Electrocatalytic proton-reduction behaviour of telluride-capped triiron clusters: tuning of overpotentials and stabilization of redox states relative to lighter chalcogenide analogues. Dalton Transactions, 2020, 49, 7133-7143.	3.3	5
9	Thermolysis of [HOs3(CO)8{Âµ3-Ph2PCH2P(Ph)C6H4}]: New Os2- and Os3- cluster products based on multiple C H bond activation of the bis(diphenylphosphino)methane ligand. Inorganica Chimica Acta, 2020, 510, 119733.	2.4	4
10	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
11	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
12	Asymmetric hydrogenation of an Î±-unsaturated carboxylic acid catalyzed by intact chiral transition metal carbonyl clusters â€“ diastereomeric control of enantioselectivity. Dalton Transactions, 2020, 49, 4244-4256.	3.3	4
13	A new synthetic route for the preparation of [Os₃(CO)₁₀(Î¼-OH)(Î¼-H)] and its reaction with bis(diphenylphosphino)methane (dppm): syntheses and X-ray structures of two isomers of [Os₃(CO)₈(Î¼-OH)(Î¼-H)(Î¼-dppm)] and [Os₃(CO)₇(Î¼₃-CO)(Î¼₃-O)(Î¼-dppm)]. RSC Advances, 2020, 10, 44699-44711.	3.6	4
14	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
15	New molecular architectures containing low-valent cluster centres with di- and trimetalated 2-vinylpyrazine ligands: synthesis and molecular structures of Ru5(CO)15(Î¼5-C4H2N2CHî€CH)(Î¼-H)2 and Ru8(CO)24(Î¼7-C4H2N2CHî€C)(Î¼-H)3. RSC Advances, 2019, 9, 21025-21030.	3.6	2
16	Polyhedral Flexibility in the Sulfido-Capped Cluster H₂Ru₃(CO)₉(Î¼₃-S) on Reaction with 2-(Diphenylphosphino)thioanisole (PS) and Reversible Tripodal Rotation of the Chelated PS Ligand in H₂Ru₃(CO)₇(Î²²-PS)(Î¼₃-S). Organometallics, 2019, 38, 2472-2484.	2.3	2
17	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
18	Reactivity of [Mo(CO)3(NCMe)3] towards pyrimidine-2-thiol (pymSH) and thiophenol (PhSH) in the presence of phosphine auxiliaries: Synthesis of mono- and dinuclear complexes bearing Î²2 and Âµ,Î²2-pymS coordination motifs. Polyhedron, 2019, 164, 55-63.	2.2	4

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19	Chalcogenide-capped triiron clusters [Fe3(CO)9(Î¼3-E)2], [Fe3(CO)7(Î¼3-CO)(Î¼3-E)(Î¼-dppm)] and [Fe3(CO)7(Î¼3-E)2(Î¼-dppm)] (EÂ= S, Se) as proton-reduction catalysts. Journal of Organometallic Chemistry, 2019, 880, 213-222.	1.8	6
20	Activation of thiosaccharin at a polynuclear osmium cluster. Journal of Organometallic Chemistry, 2019, 880, 223-231.	1.8	4
21	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
22	Synthesis and redox properties of fac-BrRe(CO)3[1,2-(PPh2)2-closo-1,2-C2B10H10]: The first structurally characterized rhenium carbonyl containing a carboranyl-based diphosphine ligand. Journal of Molecular Structure, 2018, 1156, 397-402.	3.6	2
23	Synthesis and molecular structures of the 52-electron triiron telluride clusters [Fe3(CO)8(Î¼3-Te)2(Î²2-diphosphine)] - Electrochemical properties and activity as proton reduction catalysts. Journal of Organometallic Chemistry, 2018, 867, 381-390.	1.8	8
24	Experimental and computational preference for phosphine regioselectivity and stereoselective tripodal rotation in HOs₃(CO)₈(PPh₃)₂(Î¼-1,2-N,C-Î·¹,Î²¹-C₇H RSC Advances, 2018, 8, 32672-32683.	3.6	10
25	Hydrogenase Biomimetics with Redox-Active Ligands: Synthesis, Structure, and Electrocatalytic Studies on [Fe2(CO)4(Î²2-dppn)(Âµ-edt)] (edt = Ethanedithiolate; dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td (1,8-	2.7	10
26	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
27	Synthesis of the labile rhenium(I) complexes fac-Re(CO)3(L)[Î²2-O,O-FcC(O)CHC(O)Me] (where FcÂ=) Tj ETQq1 1 0.784314 rgBT /Overlock Organometallic Chemistry, 2018, 874, 87-100.	1.8	3
28	Mixed-valence dimolybdenum complexes containing hard oxo and soft carbonyl ligands: synthesis, structure, and electrochemistry of Mo2(O)(CO)2(Î¼-Î²2-S(CH2)nS)2(Î²2-diphosphine). Dalton Transactions, 2018, 47, 10102-10112.	3.3	3
29	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
30	Diphosphine-induced thiolate-bridge scission of [Re(CO)3(Î¼,Î²2-S,N-thpymS)]2 (thpymSÂ=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T isomers of [Re(CO)3(Î²2-S,N-thpymS)]2(Î¼,Î²1,Î²1-dppe). Journal of Organometallic Chemistry, 2018, 871, 167-177.	1.8	4
31	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
32	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
33	The reaction of Os3(CO)12 with triphos {MeC(CH2PPh2)3}: A case of multiple C-P and C-H bond activations. Journal of Organometallic Chemistry, 2017, 849-850, 125-129.	1.8	0
34	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
35	Reactions of the face-capped benzothiazolate-substituted clusters Os3(CO)9(Î¼3,Î·2-C7H3NSR)(Î¼-H) (RÂ=ÂH, Me) with PPh3: Kinetic formation of Os3(CO)9(PPh3)(Î¼,Î·2-C7H3NSR)(Î¼-H) and thermally induced ligand isomerization. Journal of Organometallic Chemistry, 2017, 849-850, 337-349.	1.8	4
36	Alkyne activation and polyhedral reorganization in benzothiazolate-capped osmium clusters on reaction with diethyl acetylenedicarboxylate (DEAD) and ethyl propiolate. Dalton Transactions, 2017, 46, 13597-13609.	3.3	2

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37	Ambidentate Ligand Reactivity with the Rhenium(I) Compounds [BrRe(CO)₄]₂ and cisâ€BrRe(CO)₄L: A Kinetic and Mechanistic Study. European Journal of Inorganic Chemistry, 2017, 2017, 3990-3998.	2.0	3
38	Diphosphine-bridged digold(I) compounds: Structural and computational studies on the aurophilic interaction in Au2Cl2(Î¼-bpcd) and Au2Cl2(Î¼-bmi). Journal of Molecular Structure, 2017, 1129, 188-194.	3.6	3
39	Microwave-induced dppm ligand substitution in triosmium clusters: Structural and DFT evaluation of Os3 clusters containing multiply activated dppm ligands through cyclometalation, ortho metalation, and P C bond cleavage. Journal of Organometallic Chemistry, 2016, 813, 15-25.	1.8	6
40	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
41	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
42	Syntheses and Characterization of Tantalum Alkyl Imides and Amide Imides. DFT Studies of Unusual Î±-SiMe3 Abstraction by an Amide Ligand. Organometallics, 2015, 34, 5687-5696.	2.3	13
43	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
44	Electrocatalytic proton reduction catalysed by the low-valent tetrairon-oxo cluster [Fe₄(CO)₁₀(Î²²-dppn)(Î¼₄-O)]^{2â^’} [dppn = 1,1â€²-bis(diphenylphosphino)naphthalene]. Dalton Transactions, 2015, 44, 5160-5169.	3.3	11
45	Synthesis of the Stereoisomeric Clusters 1,2-Os3(CO)10(trans-dpmn) and 1,2-Os3(CO)10(cis-dpmn) [where dpmnÂ=Â2,3-bis(diphenylphosphinomethyl)-5-norbornene]: DFT Evaluation of the Isomeric Clusters 1,2-Os3(CO)10(dpmn) and Isomer-Dependent Diphosphine Ligand Activation. Journal of Cluster Science, 2015, 26, 93-109.	3.3	2
46	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
47	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
48	Reaction of ethyl (2Z)-cyano-6-methoxyquinolin-2(1H)-ylidene-ethanoate (L) with rhenium carbonyls: Structural and computational studies on the rhenium(I) compound cis-BrRe(CO)4L. Polyhedron, 2015, 94, 83-89.	2.2	5
49	New azido-substituted tantalum compounds: syntheses and DFT examination of nitrogen-rich mono-, di-, and trinuclear tantalum(v) compounds. Dalton Transactions, 2014, 43, 3453.	3.3	5
50	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
51	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
52	DFT examination of rare Î±-SiMe₃ abstraction in Ta(NMe₂)₄[N(SiMe₃)₂]: formation of the imide compound Ta(â€NSiMe₃)(NMe₂)₃ and its trapping to give guanidinate imides. Dalton Transactions, 2014, 43, 12390-12395.	3.3	2
53	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
54	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

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55	Diastereomeric control of enantioselectivity: evidence for metal cluster catalysis. Chemical Communications, 2014, 50, 7705-7708.	4.1	7
56	Bioinspired Hydrogenase Models: The Mixed-Valence Triiron Complex [Fe₃(CO)₇(Î¼-edt)₂] and Phosphine Derivatives [Fe₃(CO)_{7â€“x}(PPh₃)_x(Î¼-edt)₂] (x = 1, 2) and [Fe₃(CO)₅(Î²²-diphosphine)(Î¼-edt)₂] as Proton Reduction Catalysts. Organometallics, 2014, 33, 1356-1366.	2.3	22
57	Synthesis of [Ru3(CO)9(Î¼-dppf){P(C4H3E)3}] (EÂ=ÂO, S) and thermally induced cyclometalation to form [(Î¼-H)Ru3(CO)7(Î¼-dppf){Î¼3-(C4H3E)2P(C4H2E)}] (dppfÂ=Â1,1â€²-bis(diphenylphosphino)ferrocene). Journal of Organometallic Chemistry, 2014, 760, 231-239.	1.8	13
58	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
59	Bimetallic osmium-tin complexes: Stannylene and hydrostannylene clusters upon addition of Ph3SnH to unsaturated triosmium clusters [(Î¼-H)2Os3(CO)8(Î¼-diphosphine)] (diphosphine = dppm, dppf). Inorganica Chimica Acta, 2014, 409, 320-329.	2.4	21
60	Synthesis, structure, and conformational dynamics of rhodium and iridium complexes of dimethylbis(2-pyridyl)borate. Polyhedron, 2014, 84, 24-31.	2.2	8
61	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
62	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
63	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
64	Structural and computational features of four highly polar quinolin-2(1H)-ylidene derivatives: Equilibrium preference for enaminothione, enamine, and enaminone tautomeric structures. Journal of Molecular Structure, 2013, 1054-1055, 262-270.	3.6	5
65	2-[(Diphenylphosphino)methyl]-6-methylpyridine (PN) coordination chemistry at triosmium clusters: Regiospecific ligand activation and DFT evaluation of the isomeric Os3(CO)10(PN) clusters. Journal of Organometallic Chemistry, 2013, 744, 24-34.	1.8	6
66	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
67	DFT Investigation of the Mechanism of Phosphine-Thioether Isomerization in the Triosmium Cluster Os₃(CO)₁₀(Ph₂PCH₂CH₂SMe): Migratory Preference for the Formation of an Edge-Bridged Thioether versus a Phosphine Moiety. Organometallics, 2012, 31, 6608-6613.	2.3	11
68	Phosphinoborane-induced fragmentation of the unsaturated hydride H2Re2(CO)8: X-ray structure of HRe(CO)4(Î²B,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
69	Synthesis and Structural Characterization of the Pentanuclear Tantalum Cluster Ta5(Î¼5-N)(Î¼3-N i) Tj ETQq1 1 0.784314 rgBT /Ove lo Formation of a Hinged-Butterfly Cluster Containing an Interstitial Nitride, Imido Groups, and Amido Groups. Journal of Chemical Crystallography, 2012, 42, 916-922.	1.1	4
70	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
71	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure and Regioselective Thermal Rearrangements of Os3(CO)10{Î¼-Ph2PCH(Me)PPh2}. Journal of Cluster Science, 2012, 23, 781-798.	3.3	11
72	Ligand substitution in 1,2-Os3(CO)10(MeCN)2 by the diphosphine (PhO)2PN(Me)N(Me)P(OPh)2: X-ray diffraction structure of 1,2-Os3(CO)10[(PhO)2PN(Me)N(Me)P(OPh)2] and DFT investigation of the isomeric Os3(CO)10[(PhO)2PN(Me)N(Me)P(OPh)2] clusters. Journal of Molecular Structure, 2012, 1010, 91-97.	3.6	3

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73	Experimental and Computational Studies of the Isomerization Reactions of Bidentate Phosphine Ligands in Triosmium Clusters: Kinetics of the Rearrangements from Bridged to Chelated Isomers and X-ray Structures of the Clusters Os₃(CO)₁₀(dppbz), 1,1-Os₃(CO)₁₀(dppbzF₄), HOs₃(CO)₉[Î¼-1,2-PhP(C₆H₄-Î·¹)C₆H₄P(Ph		

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91	Preparation and reactivity of the heterobimetallic ReIr face-shared bioctahedral compounds Cp*Ir(Î¼-Cl)3Re(CO)3 and Cp*Ir(Î¼-SC6H4Me-4)3Re(CO)3: X-ray diffraction structures and redox behavior. Polyhedron, 2009, 28, 2294-2300.	2.2	2
92	New rhenium(I) compounds containing the donorâ€“acceptor diphosphine ligands 2-(ferrocenylidene)-4,5-bis(diphenylphosphino)4-cyclopenten-1,3-dione (fbpcd) and 2-(3-ferrocenylprop-2-ynylidene)-4,5-bis(diphenylphosphino)4-cyclopenten- 1,3-dione (fpbpcd): Electrochemical behavior, MO properties, and X-ray diffraction structure of fac-BrRe(CO)3(fpbpcd). Polyhedron, 2009, 28, 2612-2624.	2.2	4
93	Substitution, Cluster-Ligand Reductive Coupling in the Reaction of 2,3-Bis(diphenylphosphino)maleic Anhydride (bma) with the Mixed-metal Clusters PhCCo2MCp(CO)8 (where MÂ=ÂCr, W): Synthesis and X-ray Diffraction Structures of the Phosphido-bridged Clusters Co2MCp(CO)5[Î¼2,Î·2,Î·1-C(Ph)C=C(PPh2)C(O)OC(O)](Î¼-PPh2). Journal of Chemical Crystallography, 2008, 38, 1-6.	1.1	2
94	Diphosphine Substitution and Carbyne Ligand Transfer in the Reaction of 2,3-Bis(diphenylphosphino)maleic Anhydride (bma) with the Methylidyne-capped Clusters HCCo2MCp(CO)8 (where M=Mo, W): Synthesis and X-ray Diffraction Structures of the Vinylidene-bridged Clusters Co2MCp(CO)6[Î¼â€“C=C(H)CH2C(PPh2)C(PPh2)C(O)OC(O)]. Journal of Chemical Crystallography, 2008, 38, 437-445.	1.1	2
95	New platinum compounds containing the diphosphine ligand 2-(ferrocenylidene)-4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (fbpcd): Synthesis, redox behavior, and X-ray diffraction structures of PtCl2(fbpcd) and Pt(mnt)(fbpcd). Polyhedron, 2008, 27, 3693-3699.	2.2	5
96	Diphosphine ligand chelation and bridging and regiospecific ortho metalation in the reaction of 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) with Ir4(CO)12: X-ray diffraction structures of Ir4(CO)7(Î¼-CO)3(bpcd), Ir4(CO)5(Î¼-CO)3(bpcd)(Î¼-bpcd), and HIr4(CO)4(Î¼-CO)3(bpcd)[Î¼-PhP(C6H4)CC(PPh2)C(O)CH2C(O)]. Journal of Organometallic Chemistry, 2008, 693, 1439-1448.	1.8	6
97	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, 2362-2372.	1.8	7
98	Reaction of 6-Methyl-2,2â€²-bipyridine with 1,2-Os₃(CO)₁₀(MeCN)₂: Syntheses, Reductive Elimination/Ligand Displacement Kinetics, and X-ray Diffraction Structures of the Isomeric Clusters HOs₃(CO)₉(Î¼₂-N₂C₁₁H₉) and H₂Os₃(CO)₈(Î¼₃-N₂C₁₁H₈).	2.3	12
99	Photochemically promoted, regiospecific Pâ€“C bond cleavage in the diruthenium compound Ru₂(CO)₂(bmf): X-ray diffraction structure of Ru₂(CO)₆[Î¼-C=C(PPh₂)C(O)OCH(OMe)](Î¼-PPh₂). Journal of Coordination Chemistry, 2007, 60, 1457-1467.	2.2	2
100	Reaction of HRu3(CO)10(Î¼-COMe) with bma: NMR and X-ray structural evidence for the formation of the Ph2PH-substituted cluster HRu3(CO)8(Ph2PH)[Î¼-PPh2C=CC(O)OC(O)]. Journal of Coordination Chemistry, 2007, 60, 1223-1232.	2.2	2
101	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
102	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
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#	Article	IF	Citations
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