

Shariff

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Models of the iron-only hydrogenase: Synthesis and protonation of bridge and chelate complexes $[\text{Fe}_2(\text{CO})_4\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\}(\text{pdt})] (n=2-4)$ evidence for a terminal hydride intermediate. <i>Comptes Rendus Chimie</i> , 2008, 11, 890-905.	0.5	91
2	Cluster chemistry in the Noughties: new developments and their relationship to nanoparticles. <i>Dalton Transactions</i> , 2010, 39, 6153.	3.3	70
3	The chemistry of $[\text{M}_3(\text{CO})_{10}(\text{dppm})] (\text{M}=\text{Ru}, \text{Os})$: Activating and maintaining the trinuclear core. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1285-1315.	18.8	56
4	Synthesis, Structure, and Reactivity of Electron-Deficient Complexes of Quinolines with Triosmium Clusters. <i>Organometallics</i> , 1995, 14, 3611-3613.	2.3	50
5	Phosphine addition and substitution reactions on unusually reactive triosmium clusters: $(\mu\text{-H})(\mu\text{-}3\text{-}2\text{-C:NCH}_2\text{CH}_2\text{CH}_2)\text{Os}_3(\text{CO})_9$ and $(\mu\text{-H})(\mu\text{-}3\text{-}2\text{-CH}_3\text{CH}_2\text{C:NCH}_2\text{CH}_2\text{CH}_3)\text{Os}_3(\text{CO})_9$. <i>Organometallics</i> , 1991, 10, 3550-3559.	2.3	46
6	Reactions of secondary amines with triosmium decacarbonyl bis(acetonitrile): room-temperature carbon-hydrogen bond activation and transalkylation. <i>Organometallics</i> , 1990, 9, 2214-2217.	2.3	44
7	Some pyridine-2-thiolato and 6-methylpyridine-2-thiolato complexes of manganese: crystal structure of $[\text{Mn}_2(\text{pyS})_2(\text{CO})_6]$ (pyS = pyridine-2-thiolato ligand). <i>Journal of Organometallic Chemistry</i> , 1996, 517, 155-159.	1.8	37
8	Reactions of bis(acetonitrile)triosmium decacarbonyl with secondary mixed amines $\text{NHRR}' (R = \text{Et, Pr, i-Pr, n-Bu, t-Bu, Ph})$. <i>Journal of Organometallic Chemistry</i> , 1990, 387, 1-10.	2.3	36
9	Carbon-Phosphorus Bond Activation of Tri(2-thienyl)phosphine at Dirhenium and Dimanganese Centers. <i>Organometallics</i> , 2009, 28, 1514-1523.	2.3	35
10	Triosmium clusters containing diphosphine and triphosphine ligands. <i>Journal of Organometallic Chemistry</i> , 1987, 333, 253-262.	1.8	34
11	Molecular Transformations of Bicyclic Nitrogen Heterocycles on Triosmium Clusters. <i>Organometallics</i> , 1996, 15, 1979-1988.	2.3	34
12	Reactivity of $[(\mu\text{-H})\text{Os}_3(\text{CO})_8\{\text{Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$ with organic heterothiolis; X-ray structures of $[\text{H}(\mu\text{-H})\text{Os}_3(\text{CO})_8(\mu\text{-}2\text{-pyS})\{\text{Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$ and $[\text{Os}_3(\text{CO})_8(\mu\text{-}1\text{-}2\text{-pyS})\{\text{Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$. <i>Journal of Organometallic Chemistry</i> , 2000, 616, 157-164.	1.8	30
13	Reactivity of triruthenium thiophyne and furfuryne clusters: competitive C-C and C-C bond cleavage reactions and the generation of highly unsymmetrical alkyne ligands. <i>Dalton Transactions</i> , 2008, , 6219.	3.3	30
14	New Mixed-Metal Carbonyl Complexes Containing Bridging Mercapto-methylimidazole Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 76-87.	1.2	30
15	Protonation and hydrogenation of triosmium clusters containing the bridging diphosphine ligands		

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19	Synthesis, single-crystal X-ray structures, and fluxional behaviour of 1,2-[Os ₃ (CO) ₁₀ (μ -dppe)] and its protonated derivative 1,2-[Os ₃ (μ -H)(CO) ₁₀ (μ -dppe)] [PF ₆] where dppe = Ph ₂ PCH ₂ CH ₂ PPh ₂ . Journal of the Chemical Society Dalton Transactions, 1988, , 579-586.	1.1	26
20	Mixed-metal cluster synthesis: [Re(CO) ₃ (μ -S ₂ NC ₇ H ₄)] ₂ as a precursor for tri- and tetranuclear 2-mercaptobenzothiolato capped clusters. Journal of Organometallic Chemistry, 2010, 695, 1146-1154.	1.8	26
21	Synthesis of new heterometallic complexes by tinâ€“sulfur bond cleavage of pySSnPh ₃ (pySH =) Tj ETQq1 1 0.784314 rgBT /Overlock 696, 2153-2160.	1.8	26
22	Bimetallic Osmiumâˆ“Tin Clusters:â€“ Addition of Triphenyltinhydride to Unsaturated [Os ₃ (CO) ₈ (μ -H) ₃ (μ -Ph) ₂ (μ -PCH ₂ P(Ph) ₆ (μ -H) ₃ (μ -S ₂ NC ₇ H ₄))] ₂ and Saturated [Os ₃ (CO) ₁₀ (μ -dppm)]. Organometallics, 2007, 26, 6473-6480.		
23	Ruthenium and osmium carbonyl clusters incorporating stannylene and stannyl ligands. Dalton Transactions, 2008, , 4212.	3.3	25
24	Tetranuclear group 7/8 mixed-metal and open trinuclear group 7 metal carbonyl clusters bearing bridging 2-mercapto-1-methylimidazole ligands. Dalton Transactions, 2009, , 3510.	3.3	24
25	X-ray structure of [Os ₃ (CO) ₁₀ (μ -Ph ₂ PCH ₂ PPh ₂)]. Journal of Chemical Crystallography, 1999, 29, 813-818.	1.1	23
26	Carboxylation of a μ -Diazo Methylidyne Triosmium Cluster. Organometallics, 2000, 19, 5623-5627.	2.3	23
27	Bio-inspired hydrogenase models: mixed-valence triiron complexes as proton reduction catalysts. Chemical Communications, 2011, 47, 11222.	4.1	23
28	Reaction of Os ₃ (CO) ₉ (μ -C ₇ H ₃ (2-CH ₃)NS)(μ -H) with Diazomethane. The First Example of a Trimetallic Cluster Containing a μ -Methylidene and a μ -Methyl. Organometallics, 2002, 21, 2593-2595.	2.3	22
29	Reactions of Electron-Deficient Triosmium Clusters with Diazomethane:â€“ Electrochemical Properties and Computational Studies of Charge Distribution. Organometallics, 2005, 24, 4747-4759.	2.3	22
30	The rational synthesis of tetranuclear heterometallic butterfly clusters: reactions of [M ₂ (CO) ₆ (μ -pyS) ₂] (M = Re, Mn) with group VIII metal carbonyls. New Journal of Chemistry, 2010, 34, 1875.	2.8	22
31	Bioinspired Hydrogenase Models: The Mixed-Valence Triiron Complex [Fe ₃ (CO) ₇ (μ -edt) ₂] and Phosphine Derivatives [Fe ₃ (CO) ₇ (μ -edt) ₂ (PPh ₃) ₃] ₂ (μ -edt = μ -1,2-ethanedithiolate) (μ -edt = 1, 2) and [Fe ₃ (CO) ₅ (μ -diphosphine)(μ -edt) ₂] as Proton Reduction Catalysts. Organometallics, 2014, 33, 1256-1266.	2.3	22
32	Impact of different diols/polyols on the phase separation behavior as well as thermodynamic properties of tween 80. Journal of Physical Organic Chemistry, 2019, 32, e4001.	1.9	22
33	Synthesis, structure, and ligand dynamics of triosmium imidoyl clusters and their isocyanide derivatives. Organometallics, 1993, 12, 2309-2324.	2.3	21
34	Reactivity of the Unsaturated Triosmium Cluster Os ₃ (CO) ₈ (μ -Ph ₂ PCH ₂ P(Ph) ₆ (μ -H)) with Benzothiophene:âˆ“ Activation of a Pâˆ“C Bond in Diphosphine and a Câˆ“H Bond in Benzothiophene. Organometallics, 2005, 24, 3315-3320.	2.3	21
35	Bimetallic osmium-tin complexes: Stannylene and hydrostannylene clusters upon addition of Ph ₃ SnH to unsaturated triosmium clusters [(μ -H) ₂ Os ₃ (CO) ₈ (μ -diphosphine)] (diphosphine = dppm, dppf). Inorganica Chimica Acta, 2014, 409, 320-329.	2.4	21
36	Influence of Alcohol/Temperature on the Interaction of Sodium Dodecyl Sulfate with Cetyltrimethylammonium Bromide: Experimental and Theoretical Study. Journal of Chemical & Engineering Data, 2019, 64, 4376-4389.	1.9	21

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55	Facile E ⁺ E and E ⁺ C Bond Activation of PhEPh (E = Te, Se, S) by Ruthenium Carbonyl Clusters: Formation of Di- and Triruthenium Complexes Bearing Bridging dppm and Phenylchalcogenide and Capping Chalcogenido Ligands. <i>Organometallics</i> , 2008, 27, 1550-1560.	2.3	16
56	Aggregation behavior of cetyltrimethylammonium bromide and tetradecyltrimethylammonium bromide in aqueous/urea solution at different temperatures: Experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2019, 285, 766-777.	4.9	16
57	Influence of Polyol/Salt Additives on the Drug-Mediated Phase Separation and Thermodynamic Properties of Triton X-100. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5999-6008.	1.9	15
58	Protonation of diphosphine and phosphite derivatives of dodecacarbonyltriruthenium. <i>Journal of Organometallic Chemistry</i> , 1994, 476, 121-126.	1.8	14
59	Triosmium and triruthenium clusters containing deprotonated 2-mercapto-1-methylimidazole ligand:		

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73	Title is missing!. Journal of Cluster Science, 1998, 9, 185-199.	3.3	12
74	Title is missing!. Journal of Chemical Crystallography, 1999, 29, 1001-1007.	1.1	12
75	Sulfido triosmium clusters containing bridging dppm ligand: crystal structures of $[\text{Os}_3(\text{CO})_7(\mu_3\text{-CO})(\mu_3\text{-S})(\mu_3\text{-dppm})]$ and the two isomers of $[\text{Os}_3(\text{CO})_7(\mu_3\text{-S})_2(\mu_3\text{-dppm})]$. Polyhedron, 2002, 21, 381-387.	2.1	12
76	Addition of diphenyl diselenide (PhSeSePh) to the clusters $[\text{Os}_3(\text{CO})_{10}(\mu_3\text{-dppm})]$ and $[(\mu_3\text{-H})\text{Os}_3(\text{CO})_8\{\text{Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$: X-ray structures of $[\text{Os}_2(\text{CO})_4(\mu_3\text{-SePh})_2(\mu_3\text{-dppm})]$, $[\text{Os}_3(\text{CO})_6(\mu_3\text{-CO})(\mu_3\text{-Se})_2(\mu_3\text{-C}_6\text{H}_4)(\mu_3\text{-dppm})]$ and two isomers of $[\text{Os}_3(\text{CO})_8(\mu_3\text{-SePh})_2(\mu_3\text{-dppm})]$. Journal of Organometallic Chemistry, 2004, 689, 1569-1579.	1.8	12
77	Triphenylphosphine-substituted selenido and sulfido clusters of osmium derived from Ph_3PSe or Ph_3PS . Journal of Organometallic Chemistry, 2005, 690, 4628-4639.	1.8	12
78	$\text{P}=\text{C}$ and $\text{C}=\text{H}$ bond cleavages of dppm in the thermal reaction of $[\text{Ru}_3(\text{CO})_{10}(\mu_3\text{-dppm})]$ with benzothioephene: X-ray structures of $[\text{Ru}_6(\mu_3\text{-CO})(\text{CO})_{13}\{\mu_3\text{-PhP}(\text{C}_6\text{H}_4)\text{PPh}\}(\mu_3\text{-C})]$ and $[\text{Ru}_4(\text{CO})_9(\mu_3\text{-}i\text{-}2\text{-PhPCH}_2\text{PPh}_2)(\mu_3\text{-}i\text{-}6\text{-}i\text{-}1\text{-}i\text{-}1\text{-C}_6\text{H}_4)(\mu_3\text{-H})]$. Journal of Organometallic Chemistry, 2007, 692, 3936-3943.	1.8	12
79	Synthesis and Molecular Structure of $[\text{Fe}_4(\text{CO})_{10}(\mu_3\text{-O})(\mu_3\text{-dppn})]$ (dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (L	2.3	12
80	Carbon-hydrogen bond activation of phenyldi(2-thienyl)phosphine at a triosmium cluster centre. Inorganica Chimica Acta, 2010, 363, 1611-1614.	2.4	12
81	Unsymmetrical alkyne binding to a triruthenium centre: Oxidative-addition of diphenyl ditelluride to the furyne cluster $[\text{Ru}_3(\text{CO})_7(\mu_3\text{-H})(\mu_3\text{-}i\text{-}2\text{-C}_4\text{H}_2\text{O})\{\mu_3\text{-P}(\text{C}_4\text{H}_3\text{O})_2\}(\mu_3\text{-dppm})]$. Journal of Organometallic Chemistry, 2011, 696, 1982-1989.	1.8	12
82	Reactions of $\text{Ru}_3(\text{CO})_{10}(\mu_3\text{-dppm})$ with Ph_3GeH : $\text{Ge}=\text{H}$ and $\text{Ge}=\text{C}$ bond cleavage in Ph_3GeH at triruthenium clusters. Journal of Organometallic Chemistry, 2017, 843, 75-86.	1.8	12
83	Decarbonylation Reaction of $[\text{Os}_3(\text{CO})_{10}(\mu_3\text{-H})(\mu_3\text{-SN}_2\text{C}_4\text{H}_5)]$: X-ray Structures of the Two Isomers of $[\text{Os}_3(\text{CO})_9(\mu_3\text{-H})(\mu_3\text{-}i\text{-}2\text{-SN}_2\text{C}_4\text{H}_5)]$. Journal of Chemical Crystallography, 2009, 39, 632-637.	1.1	11
84	Cluster-mediated alkenyl isomerism and carbon-carbon bond formation: The reaction of the unsaturated benzothiazole cluster $[\text{Os}_3(\text{CO})_9(\mu_3\text{-C}_7\text{H}_4\text{NS})(\mu_3\text{-H})]$ with dimethyl acetylenedicarboxylate. Journal of Organometallic Chemistry, 2010, 695, 1435-1440.	1.8	11
85	Chalcogenide-capped triruthenium clusters: X-ray structures of $[\text{Ru}_3(\text{CO})_6(\mu_3\text{-CO})\{\text{P}(\text{C}_4\text{H}_3\text{S})_3\}(\mu_3\text{-dppm})(\mu_3\text{-O})]$ and $[(\mu_3\text{-H})_2\text{Ru}_3(\text{CO})_6\{\text{P}(\text{C}_4\text{H}_3\text{S})_3\}(\mu_3\text{-dppm})(\mu_3\text{-S})]$. Inorganica Chimica Acta, 2011, 376, 170-174.	1.8	11
86	Triosmium Clusters Containing 2-Mercaptobenzothiazolate Ligands. Australian Journal of Chemistry, 2012, 65, 773.	0.9	11
87	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure and Regioselective Thermal Rearrangements of $\text{Os}_3(\text{CO})_{10}\{\mu_3\text{-Ph}_2\text{PCH}(\text{Me})\text{PPh}_2\}$. Journal of Cluster Science, 2012, 23, 781-798.	3.3	11
88	Generation of $\mu_3\text{-furyl}$ and thienyl ligands at di-iron centers via facile phosphorus-carbon bond cleavage: Synthesis and molecular structures of $[\text{Fe}_2(\text{CO})_6(\mu_3\text{-}i\text{-}1, i\text{-}2\text{-C}_4\text{H}_3\text{E})\{\mu_3\text{-P}(\text{C}_4\text{H}_3\text{E})_2\}]$ (E = O, S). Journal of Organometallic Chemistry, 2013, 730, 123-131.	1.8	11
89	$\text{Re}_2(\text{CO})_6(\mu_3\text{-thpymS})_2$ (thpymSH = pyrimidine-2-thiol) as a versatile precursor to mono- and polynuclear complexes: X-ray crystal structures of $\text{fac-Re}(\text{CO})_3(\text{PPh}_3)(\mu_3\text{-thpymS})$ and two isomers of $\text{ReRu}_3(\text{CO})_{13}(\mu_3\text{-thpymS})$. Journal of Organometallic Chemistry, 2013, 728, 30-37.	1.8	11
90	Reactions of the $\mu_3\text{-furyl}$ complex $[\text{Fe}_2(\text{CO})_6(\mu_3\text{-Fu})(\mu_3\text{-PFu}_2)]$ ($\text{Fu} = \text{C}_4\text{H}_3\text{O}$) with phosphines: Carbonyl substitution, migratory carbonyl insertion and cyclometallation-induced furan elimination. Journal of Organometallic Chemistry, 2014, 751, 326-335.	1.8	11

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91	Electrocatalytic proton reduction catalysed by the low-valent tetrairon-oxo cluster $[\text{Fe}_4(\text{CO})_{10}(\mu_2\text{-dppn})(\mu_4\text{-O})]^{2+}$ [dppn = 1,1'-bis(diphenylphosphino)naphthalene]. Dalton Transactions, 2015, 44, 5160-5169.	3.3	11
92	Reactivity of $[\text{Re}_2(\text{CO})_8(\text{MeCN})_2]$ With 1-vinylimidazole: X-ray Structures of $[\text{Re}_2(\text{CO})_8\{\mu_2\text{-1-NC}_3\text{H}_3\text{N}(\text{CH}=\text{CH}_2)\}_2]$ and $[\text{ReCl}_2(\text{CO})_2\{\mu_2\text{-1-NC}_3\text{H}_3\text{N}(\text{CH}=\text{CH}_2)\}_2]$. Journal of Chemical Crystallography, 2009, 39, 702-707.	1.1	10
93	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure, Fluxionality and Regioselective Thermally-Induced Transformations of $\text{Ru}_3(\text{CO})_{10}\{\mu_2\text{-Ph}_2\text{PCH}(\text{Me})\text{PPh}_2\}$. Journal of Cluster Science, 2015, 26, 169-185.	3.3	10
94	A comparative study of the electrochemical and proton-reduction behaviour of diphosphine-dithiolate complexes $[\text{M}_2(\text{CO})_4(\mu_2\text{-dppm})(\mu_2\text{-S}(\text{CH}_2)_n\text{S})]$ (M = Fe, Ru; n = 2, 3). Transition Metal Chemistry, 2017, 42, 597-603.	1.4	10
95	Experimental and computational preference for phosphine regioselectivity and stereoselective tripod rotation in $\text{HO}_3(\text{CO})_8(\text{PPh})_3(\mu_2\text{-1,2-N,C})_2(\mu_3\text{-C})_7$. RSC Advances, 2018, 8, 32672-32683.	3.6	10
96	Hydrogenase Biomimetics with Redox-Active Ligands: Synthesis, Structure, and Electrocatalytic Studies on $[\text{Fe}_2(\text{CO})_4(\mu_2\text{-dppn})(\mu\text{-edt})]$ (edt = Ethanedithiolate; dppn = 1,1'-bis(Diphenylphosphino)ethane). Dalton Transactions, 2010, 2010, 5377-5387.	5.7	10
97	Mechanisms of Concurrent Hydride Migration Processes in a Triruthenium Cluster Capped by a Phenylphosphinidene (PPh) Ligand. European Journal of Inorganic Chemistry, 2005, 2005, 4352-4360.	2.0	9
98	New Ruthenium Carbonyl Clusters Containing Unusual $\mu_5\text{-Sulfido}$, $\mu_4\text{-Benzynes}$, and Thianthrene-Derived Ligands: Insertion of Ruthenium into the Thianthrene Ring by C-S Activation. Organometallics, 2007, 26, 4627-4633.	2.3	9
99	Sn-S and Ru-Ru bonds cleavage reactions between $[\text{Ph}_3\text{SnS}(\text{CH}_2)_3\text{SSnPh}_3]$ and $\text{Ru}_3(\text{CO})_{12}$: X-ray crystal structures of $[\text{Ph}_3\text{SnS}(\text{CH}_2)_3\text{SSnPh}_3]$ and $\text{trans-}[\text{Ru}(\text{CO})_4(\text{SnPh}_3)_2]$. Inorganica Chimica Acta, 2009, 362, 4226-4230.	2.4	9
100	Reactivity of electron-deficient triosmium quinoline cluster $[\text{Os}_3(\text{CO})_9(\mu_2\text{-C}_9\text{H}_6\text{N})(\mu_4\text{-H})]$ with alkynes. Inorganica Chimica Acta, 2011, 378, 307-310.	2.4	9
101	Bridging allyl ligands upon allene insertion into electron-deficient triosmium-hydride clusters $[\text{Os}_3(\text{CO})_9(\mu_3\text{-NSC}_7\text{H}_3\text{R})(\mu_4\text{-H})]$ (R = H, Me). Journal of Organometallic Chemistry, 2011, 696, 3036-3039.	1.8	9
102	A comparative study of the reactivity of the lightly stabilized cluster $[\text{Os}_3(\text{CO})_8\{\mu_3\text{-Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}(\mu_4\text{-H})]$ towards tri(2-thienyl)-, tri(2-furyl)- and triphenyl-phosphine. Journal of Organometallic Chemistry, 2014, 751, 399-411.	1.8	9
103	Experimental and computational studies on the reaction of silanes with the diphosphine-bridged triruthenium clusters $\text{Ru}_3(\text{CO})_{10}(\mu_2\text{-dppf})$, $\text{Ru}_3(\text{CO})_{10}(\mu_2\text{-dppm})$ and $\text{Ru}_3(\text{CO})_9\{\mu_3\text{-PPhCH}_2\text{PPh}(\text{C}_6\text{H}_4)\}$. Journal of Organometallic Chemistry, 2014, 767, 185-195.	1.8	9
104	Title is missing!. Journal of Chemical Crystallography, 2001, 31, 63-68.	1.1	8
105	Reactions of the unsaturated triosmium cluster $[(\mu_4\text{-H})\text{Os}_3(\text{CO})_8(\text{Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4)]$ with HX (X = Cl, Br). Journal of Organometallic Chemistry, 2005, 690, 3044-3053.	1.8	8
106	Synthesis, Structure and Reactivity of Electron Deficient Triosmium Cluster Bearing 2,6-Dimethylbenzothiazolidine Ligand. Journal of Chemical Crystallography, 2010, 40, 572-578.	1.1	8
107	The First Carbonyl-Substituted Derivative of $[\text{Mn}_2(\text{CO})_6(\mu\text{-pyS})_2]$. Australian Journal of Chemistry, 2012, 65, 796.	0.9	8
108	Mixed main group transition metal clusters: Reactions of $[\text{Ru}_3(\text{CO})_{10}(\mu_2\text{-dppm})]$ with Ph_3SnH . Journal of Organometallic Chemistry, 2017, 840, 47-55.	1.8	8

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109	Mn ₂ (CO) ₆ (η^4 -mbi) ₂ as a precursor for mono- and polynuclear complexes containing the 2-mercaptobenzimidazolate (mbi) ligand. <i>Polyhedron</i> , 2018, 152, 164-171.	2.2	8
110	Reactions of [Ru ₃ (CO) ₁₀ (η^4 -dppm)] and [Ru ₃ (CO) ₉ { η^4 -3-Ph ₂ PCH ₂ P(C ₆ H ₄)}] with PPh ₂ H: X-ray structures of [η^4 -H]Ru ₃ (CO) ₆ (η^4 -3-Ph ₂ PCH ₂ PPh)(η^4 -PPh ₂) ₂ and [Ru ₃ (CO) ₅ (η^4 -dppm)(η^4 -PPh ₂) ₂ (η^4 -3-PPh)]. <i>Polyhedron</i> , 2005, 247, 1471-1477.	2.2	7
111	Triiron and Triruthenium Carbonyl Clusters Bearing Bridging Long Chain Diphosphine and Capping Chalcogenido Ligands. <i>Journal of Cluster Science</i> , 2005, 16, 93-110.	3.3	7
112	Phenazine-substituted polynuclear osmium clusters: Synthesis and DFT evaluation of the C-metalated derivatives Os ₃ (CO) ₉ (η^4 -3,1 ⁻ -C ₁₂ H ₇ N ₂)(η^4 -H) and Os ₃ (CO) ₉ (η^4 -3,1 ⁻ -C ₁₂ H ₆ N ₂)(η^4 -H) ₂ . <i>Journal of Organometallic Chemistry</i> , 2015, 779, 21-29.	1.8	7
113	Iron carbonyl complexes bearing phenazine and acridine ligands: X-ray structures of Fe(CO) ₃ (η^4 -C ₁₂ H ₈ N ₂), Fe(CO) ₂ {P(OMe) ₃ }(η^4 -C ₁₂ H ₈ N ₂), Fe(CO) ₂ (PPh ₃)(η^4 -C ₁₃ H ₉ N), and Fe(CO) ₂ (η^4 -dppm)(η^4 -C ₁₂ H ₈ N ₂). <i>Journal of Organometallic Chemistry</i> , 2016, 805, 34-41.	1.8	7
114	Thermal transformations of tris(2-thienyl)phosphine (PTh ₃) at low-valent ruthenium cluster centers: Part I. Carbon-hydrogen, carbon-phosphorus and carbon-sulfur bond activation yielding Ru ₃ (CO) ₈ L{ η^4 -Th ₂ P(C ₄ H ₂ S)}(η^4 -H) (L=ACO, PTh ₃), Ru ₃ (CO) ₇ (η^4 -PTh ₂) ₂ (η^4 -3,1 ⁻ -C ₄ H ₂ S), Ru ₄ (CO) ₉ (η^4 -CO) ₂ (η^4 -4,1 ⁻ -C ₄ H ₂ S)(η^4 -4-PTh) and Ru ₅ (CO) ₁₁ (η^4 -PTh ₂)(η^4 -4,1 ⁻ -C ₄ H ₃)(η^4 -4-S). <i>Journal of Organometallic Chemistry</i> , 2016, 812, 197-206.	1.8	7
115	Reversible C-H bond activation at a triosmium centre: A comparative study of the reactivity of unsaturated triosmium clusters Os ₃ (CO) ₈ (η^4 -dppm)(η^4 -H) ₂ and Os ₃ (CO) ₈ (η^4 -dppf)(η^4 -H) ₂ with activated alkynes. <i>Journal of Organometallic Chemistry</i> , 2017, 836-837, 68-80.	1.8	7
116	Investigation on the reactivity of tetranuclear Group 7/8 mixed-metal clusters toward triphenylphosphine. <i>Polyhedron</i> , 2018, 146, 154-160.	2.2	7
117	Reactions of [Os ₃ (CO) ₁₀ (η^4 -dppm)] and [HOs ₃ (CO) ₈ { η^4 -3-Ph ₂ PCH ₂ P(Ph)C ₆ H ₄ }] with Bu ₃ GeH: Ge-H and Ge-C bond cleavage at triosmium centers. <i>Journal of Organometallic Chemistry</i> , 2019, 898, 120862.	1.8	7
118	Reactions of [Ru ₃ (CO) ₁₂] with thiosaccharin: Synthesis and structure of di-, tri-, tetra- and penta-ruthenium complexes containing a thiosaccharinate ligand(s). <i>Journal of Organometallic Chemistry</i> , 2020, 906, 121048.	1.8	7
119	Facile Os-Os bond cleavage in the reactions of [Os ₃ (CO) ₁₀ (NCMe) ₂] and [Os ₃ (CO) ₁₀ (η^4 -H) ₂] with tetramethylthiuram disulfide (tmtsd): Syntheses and crystal structures of new polynuclear osmium carbonyl complexes containing a dimethyldithiocarbamate ligand(s). <i>Journal of Organometallic Chemistry</i> , 2020, 911, 121133.	1.8	7
120	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2000, 30, 379-383.	1.1	6
121	Triosmium and triruthenium clusters containing morpholine ligand: X-ray structure of Os ₃ (CO) ₁₀ (η^4 -1,2-NC ₄ H ₆ O)(η^4 -H). <i>Journal of Chemical Crystallography</i> , 2005, 35, 853-860.	1.1	6
122	Synthesis, structure, photophysical and electrochemical behavior of 2-amino-anthracene triosmium clusters. <i>Inorganica Chimica Acta</i> , 2008, 361, 1624-1633.	2.4	6
123	Oxidative-addition of the N-H bond of saccharin (sach) to a triosmium centre: Synthesis, structure and reactivity of Os ₃ (CO) ₁₀ (η^4 -H)(η^4 -sac). <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 281-290.	1.8	6
124	Reactivity of [CpMo(CO) ₂] ₂ towards heterocyclic thiols: Synthesis, structure, and bonding in the sulfido-ligated cluster Cp ₃ Mo ₃ (η^4 -CO) ₂ (η^4 -1,2-C ₇ H ₄ NS)(η^4 -S)(η^4 -3-S). <i>Inorganica Chimica Acta</i> , 2015, 434, 97-103.	2.4	6
125	Chalcogenide-capped triiron clusters [Fe ₃ (CO) ₉ (η^4 -E) ₂], [Fe ₃ (CO) ₇ (η^4 -3-CO)(η^4 -E)(η^4 -dppm)] and [Fe ₃ (CO) ₇ (η^4 -3-E) ₂ (η^4 -dppm)] (E= S, Se) as proton-reduction catalysts. <i>Journal of Organometallic Chemistry</i> , 2019, 880, 213-222.	1.8	6
126	Reactions of triosmium and triruthenium clusters with 2-ethynylpyridine: new modes for alkyne C-H bond coupling and C-H bond activation. <i>RSC Advances</i> , 2020, 10, 30671-30682.	3.6	6

#	ARTICLE	IF	CITATIONS
127	Title is missing!. Journal of Chemical Crystallography, 2003, 33, 851-857.	1.1	5
128	Carbon π -hydrogen and carbon π -phosphorus bond cleavage in a triruthenium cluster complex containing dppm: The crystal and molecular structures of $\text{Ru}_3(\text{CO})_6\{\frac{1}{4}\text{-OPPh}_2\text{C}_2\text{H}(\text{C}_6\text{H}_4)\text{PPhCH}_2\text{PPh}\}(\frac{1}{4}\text{-OPPh}_2)\text{Ph}$ and $\text{Ru}_3(\text{CO})_6\{\frac{1}{4}\text{-OPPh}_2\text{C}_2\text{H}(\text{C}_6\text{H}_4)\text{PPhO}\}(\frac{1}{4}\text{-PPh}_2)(\frac{1}{4}\text{-PPh}_2\text{O})$. Journal of Chemical Crystallography, 2004, 34, 361-370.	1.1	5
129	An exhibition of different coordination modes displayed by 2-vinylpyrazine and 2-vinylpyridine at triosmium centres. Journal of Organometallic Chemistry, 2017, 849-850, 80-87.	1.8	5
130	Title is missing!. Journal of Chemical Crystallography, 2003, 33, 859-865.	1.1	4
131	Reactions of $[(\frac{1}{4}\text{-H})\text{Os}_3(\text{CO})_{10}(\frac{1}{4}\text{-OMe})]$ and $[(\frac{1}{4}\text{-H})\text{Os}_3(\text{CO})_9(\frac{1}{4}\text{-OMe})(\text{MeCN})]$ with dppm, dppe, dppp, and PPh ₂ H: X-ray crystal structures of $[(\frac{1}{4}\text{-H})\text{Os}_3(\text{CO})_8(\frac{1}{4}\text{-OMe})(\frac{1}{4}\text{-}^i\text{-}^2\text{-dppm})]$ and $[(\frac{1}{4}\text{-H})\text{Os}_3(\text{CO})_9(\frac{1}{4}\text{-OMe})(\text{PPh}_2\text{H})]$. Polyhedron, 2006, 25, 95-104.	2.2	4
132	Reactions of the face-capped benzothiazolate-substituted clusters $\text{Os}_3(\text{CO})_9(\frac{1}{4}\text{-}^i\text{-}^2\text{-C}_7\text{H}_3\text{NSR})(\frac{1}{4}\text{-H})$ ($\text{R}=\text{H, Me}$) with PPh ₃ : Kinetic formation of $\text{Os}_3(\text{CO})_9(\text{PPh}_3)(\frac{1}{4}\text{-}^i\text{-}^2\text{-C}_7\text{H}_3\text{NSR})(\frac{1}{4}\text{-H})$ and thermally induced ligand isomerization. Journal of Organometallic Chemistry, 2017, 849-850, 337-349.	1.8	4
133	Diphosphine-induced thiolate-bridge scission of $[\text{Re}(\text{CO})_3(\frac{1}{4}\text{-}^i\text{-}^2\text{-S,N-thpymS})]_2$ (thpymS $\hat{=}$) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF isomers of $[\text{Re}(\text{CO})_3(\frac{1}{4}\text{-}^i\text{-}^2\text{-S,N-thpymS})]_2(\frac{1}{4}\text{-}^i\text{-}^1,^i\text{-}^1\text{-dppe})$. Journal of Organometallic Chemistry, 2018, 871, 167-177.	1.8	4
134	Reactivity of $[\text{Mo}(\text{CO})_3(\text{NCMe})_3]$ towards pyrimidine-2-thiol (pymSH) and thiophenol (PhSH) in the presence of phosphine auxiliaries: Synthesis of mono- and dinuclear complexes bearing $^i\text{-}^2$ and $\hat{\mu},^i\text{-}^2\text{-pymS}$ coordination motifs. Polyhedron, 2019, 164, 55-63.	2.2	4
135	Activation of thiosaccharin at a polynuclear osmium cluster. Journal of Organometallic Chemistry, 2019, 880, 223-231.	1.8	4
136	Thermolysis of $[\text{HOs}_3(\text{CO})_8\{\hat{\mu}_3\text{-Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$: New Os ₂ - and Os ₃ - cluster products based on multiple C H bond activation of the bis(diphenylphosphino)methane ligand. Inorganica Chimica Acta, 2020, 510, 119733.	2.4	4
137	Reactions of $[\text{HOs}_3(\text{CO})_8\{\hat{\mu}_3\text{-Ph}_2\text{PCH}(\text{R})\text{P}(\text{Ph})\text{C}_6\text{H}_4\}]$ ($\text{R}=\text{H, Me}$) with Bu ₃ SnH: synthesis and structure of bimetallic Os-Sn clusters. Transition Metal Chemistry, 2021, 46, 149-157.	1.4	4
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139	Reactions of triosmium clusters with indole: X-ray structures of $[\text{Os}_3(\text{CO})_{10}(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-OMeCO})]$ and $[\text{Os}_3(\frac{1}{4}\text{-H})(\text{CO})_{10}(\frac{1}{4}\text{-}^i\text{-}^1, 2\text{-}^i\text{-}^2\text{-NC}_8\text{H}_6)]$. Journal of Chemical Crystallography, 2005, 35, 799-807.	1.1	3
140	Reactions of Unsaturated Quinoline Triosmium Clusters $[\text{Os}_3(\text{CO})_9(\frac{1}{4}\text{-}^i\text{-}^2\text{-C}_9\text{H}_5(4\text{-R})\text{N})(\frac{1}{4}\text{-H})]$ ($\text{R}=\text{Me}$ or H)		

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145	Mixed-valence dimolybdenum complexes containing hard oxo and soft carbonyl ligands: synthesis, structure, and electrochemistry of Mo ₂ (O)(CO) ₂ (μ_4 - η^2 -S(CH ₂) _n S) ₂ (η^2 -diphosphine). Dalton Transactions, 2018, 47, 10102-10112.	3.3	3
146	Highly efficient electrocatalytic proton-reduction by coordinatively and electronically unsaturated Fe(CO)(η^2 -dppn)(η^2 -tdt). Inorganica Chimica Acta, 2019, 486, 435-440.	2.4	3
147	Reactions of the lightly-stabilized triosmium cluster Os ₃ (CO) ₈ { μ_3 -Ph ₂ PCH(Me)P(Ph)C ₆ H ₄ }(η^4 -H) with two-electron donor ligands. Polyhedron, 2020, 186, 114608.	2.2	3
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149	Title is missing!. Journal of Chemical Crystallography, 1999, 29, 597-602.	1.1	2
150	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
151	New molecular architectures containing low-valent cluster centres with di- and trimetalated 2-vinylpyrazine ligands: synthesis and molecular structures of Ru ₅ (CO) ₁₅ (μ_4 -C ₄ H ₂ N ₂ CH η^2 -CH)(η^4 -H) ₂ and Ru ₈ (CO) ₂₄ (μ_4 -C ₄ H ₂ N ₂ CH η^2 -CH)(η^4 -H) ₃ . RSC Advances, 2019, 9, 21025-21030.	3.6	2
152	Reactions of [Os ₃ (CO) ₁₀ (η^4 -H) ₂] and [Os ₃ (CO) ₈ { μ_3 -Ph ₂ PCH ₂ P(Ph)C ₆ H ₄ }(η^4 -H)] with pymS η^2 -SnPh ₃ (pymS η^2 -pyrimidine-2-thiolate): Synthesis and Structure of Triosmium Clusters Containing pymS Ligand. Journal of Chemical Crystallography, 2021, 51, 257-264.	1.1	2
153	X-ray Structure of mer-[Mo(CO) ₃ (PPh ₃)(η^2 -dppm)]. Journal of Chemical Crystallography, 2010, 40, 712-715.	1.1	1
154	Triruthenium clusters containing mono and bidentate phosphines: Synthesis, structure, thermal reactivity and fluxional behavior. Journal of the Indian Chemical Society, 2021, 98, 100023.	2.8	1
155	Stereochemical control of the diphosphine and alkyne ligands in triruthenium clusters: the effect of reversible CO loss/addition on the ligand distribution in [Ru ₃ (μ_3 , η^2 -PhCCPh){ μ_2 , η^2 -Ph ₂ PCH(Me)PPh ₂ }(CO) ₇ ,8]. Journal of Organometallic Chemistry, 2022, , 122337.	1.8	1
156	Reactivity of unsaturated [HOs ₃ (CO) ₈ { μ_3 -Ph ₂ PCH ₂ PPh(C ₆ H ₄)}] towards activated alkynes RC CR (R=CO ₂ Et, CO ₂ Me). Inorganica Chimica Acta, 2021, 515, 120034.	2.4	0
157	The Assembly of the Mixture of Two Ionic Surfactants in Polyols Media at Variable Temperatures: Combined Conductivity and Theoretical Investigations. Journal of Surfactants and Detergents, 0, , .	2.1	0