

Shishir Ghosh

List of Publications by Year in descending order

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93
papers

1,300
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394421

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#	ARTICLE	IF	CITATIONS
1	Synthesis, structure and reactivity with phosphines of Hg(<i>ortho</i> -cyano-aminothiophenolate complexes formed via C–S bond cleavage and dehydrogenation of 2-aminobenzothiazoles. Dalton Transactions, 2022, , .	3.3	4
2	Biomimics of [FeFe]-hydrogenases incorporating redox-active ligands: synthesis, redox properties and spectroelectrochemistry of diiron-dithiolate complexes with ferrocenyl-diphosphines as Fe ₄ S ₄ surrogates. Dalton Transactions, 2022, 51, 9748-9769.	3.3	11
3	Reactions of [Os ₃ (CO) ₁₀ (<i>η</i> ^{1/4} -H) ₂] and [Os ₃ (CO) ₈ { <i>μ</i> ³ -Ph ₂ PCH ₂ P(Ph)C ₆ H ₄ }(<i>η</i> ^{1/4} -H)] with pymSâ€‘SnPh ₃ (pymSâ€‘=â€‘pyrimidine-2-thiolate): Synthesis and Structure of Triosmium Clusters Containing pymS Ligand. Journal of Chemical Crystallography, 2021, 51, 257-264.	1.1	2
4	Reactions of [HOs ₃ (CO) ₈ { <i>μ</i> ³ -Ph ₂ PCH(R)P(Ph)C ₆ H ₄ }] (Râ€‘=â€‘H, Me) with Bu ₃ SnH: synthesis and structure of bimetallic Os-Sn clusters. Transition Metal Chemistry, 2021, 46, 149-157.	1.4	4
5	Reactivity of unsaturated [HOs ₃ (CO) ₈ { <i>μ</i> 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
6	Reactions of [HOs ₃ (CO) ₁₀ (<i>μ</i> -L)] (Lâ€‘=â€‘saccharinate, thiosaccharinate) with Ph ₃ SnH and Ph ₃ GeH. Journal of Organometallic Chemistry, 2021, 942, 121819.	1.8	3
7	Câ€‘H activation of caffeine at triruthenium and triosmium centers. Journal of Organometallic Chemistry, 2021, 944, 121791.	1.8	2
8	Ligand coordination in [Re ₂ (CO) ₉ (NCMe)] and [H ₃ Re ₃ (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
9	Reactions of [Ru ₃ (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
10	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
11	Thermolysis of [HOs ₃ (CO) ₈ { <i>μ</i> ³ -Ph ₂ PCH ₂ P(Ph)C ₆ 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
12	Reactions of the lightly-stabilized triosmium cluster Os ₃ (CO) ₈ { <i>μ</i> ³ -Ph ₂ PCH(Me)P(Ph)C ₆ H ₄ }(<i>η</i> ^{1/4} -H) with two-electron donor ligands. Polyhedron, 2020, 186, 114608.	2.2	3
13	Facile Os-Os bond cleavage in the reactions of [Os ₃ (CO) ₁₀ (NCMe) ₂] and [Os ₃ (CO) ₁₀ (<i>η</i> ^{1/4} -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
14	A new synthetic route for the preparation of [Os ₃ (CO) ₁₀ (<i>η</i> ^{1/4} -OH)(<i>η</i> ^{1/4} -H)] and its reaction with bis(diphenylphosphino)methane (dppm): syntheses and X-ray structures of two isomers of [Os ₃ (CO) ₈ (<i>η</i> ^{1/4} -OH)(<i>η</i> ^{1/4} -H)(<i>η</i> ^{1/4} -dppm)] and [Os ₃ (CO) ₇ (<i>η</i> ^{1/4} -CO)(<i>η</i> ^{1/4} -O)(<i>η</i> ^{1/4} -dppm)]. RSC Advances, 2020, 10, 44699-44711.	3.6	4
15	Reactions of [Os ₃ (CO) ₁₀ (<i>η</i> ^{1/4} -dppm)] and [HOs ₃ (CO) ₈ { <i>μ</i> ³ -Ph ₂ PCH ₂ P(Ph)C ₆ H ₄ }] with Bu ₃ GeH: Geâ€‘H and Geâ€‘C bond cleavage at triosmium centers. Journal of Organometallic Chemistry, 2019, 898, 120862.	1.8	7
16	New molecular architectures containing low-valent cluster centres with di- and trimetalated 2-vinylpyrazine ligands: synthesis and molecular structures of Ru ₅ (CO) ₁₅ (<i>η</i> ^{1/4} -C ₄ H ₂ N ₂ CHî€‘CH)(<i>η</i> ^{1/4} -H) ₂ and Ru ₈ (CO) ₂₄ (<i>η</i> ^{1/4} -C ₄ H ₂ N ₂ CHî€‘CH)(<i>η</i> ^{1/4} -H) ₃ . RSC Advances, 2019, 9, 21025-21030.	3.6	2
17	Synthesis, Molecular Structures and Electrochemical Investigations of [FeFe]â€‘Hydrogenase Biomimics [Fe ₂ (CO) ₆ (<i>η</i> ^{1/4} -N)(EPh ₃) ₃](<i>η</i> ^{1/4} -L) (E = P, As, Sb); ETQq117 0.784	1.7	1
18	Models of the iron-only hydrogenase enzyme: structure, electrochemistry and catalytic activity of Fe ₂ (CO) ₃ (<i>η</i> ^{1/4} -dithiolate)(<i>η</i> ^{1/4} , <i>η</i> ^{1/2} , <i>η</i> ² -triphos). Dalton Transactions, 2019, 48, 6174-6190.	3.3	31

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19	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 η^2 and μ, η^2 -pymS coordination motifs. <i>Polyhedron</i> , 2019, 164, 55-63.	2.2	4
20	Highly efficient electrocatalytic proton-reduction by coordinatively and electronically unsaturated Fe(CO)(η^2 -dppn)(η^2 -tdt). <i>Inorganica Chimica Acta</i> , 2019, 486, 435-440.	2.4	3
21	Chalcogenide-capped triiron clusters [Fe ₃ (CO) ₉ (η^3 -E) ₂], [Fe ₃ (CO) ₇ (η^3 -CO)(η^3 -E)(η^4 -dppm)] and [Fe ₃ (CO) ₇ (η^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
22	Activation of thiosaccharin at a polynuclear osmium cluster. <i>Journal of Organometallic Chemistry</i> , 2019, 880, 223-231.	1.8	4
23	Hydrogenase biomimics containing redox-active ligands: Fe ₂ (CO) ₄ (η^4 -edt)(η^2 -bpcd) with electron-acceptor 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) as a potential [Fe ₂ (CO) ₄ (η^4 -S ₄ H) surrogate. <i>Dalton Transactions</i> , 2019, 48, 6051-6060.	3.3	31
24	Reaction of electron-deficient 6-methoxyquinolinolate-substituted cluster [Os ₃ (CO) ₉ (η^3 -1,1,1-C ₉ H ₅ N(6-OMe))(η^4 -H)] with PPh ₃ : Thermally induced ligand isomerization, decarbonylation and orthometallation. <i>Inorganica Chimica Acta</i> , 2018, 478, 25-31.	2.4	3
25	Investigation on the reactivity of tetranuclear Group 7/8 mixed-metal clusters toward triphenylphosphine. <i>Polyhedron</i> , 2018, 146, 154-160.	2.2	7
26	Experimental and computational preference for phosphine regioselectivity and stereoselective tripod rotation in HOs ₃ (CO) ₈ (PPh ₃) ₂ (η^4 -1,2-N,C- η^1), η^2 -C ₇ H ₇ . <i>RSC Advances</i> , 2018, 8, 32672-32683.	3.6	10
27	Hydrogenase Biomimetics with Redox-Active Ligands: Synthesis, Structure, and Electrocatalytic Studies on [Fe ₂ (CO) ₄ (η^2 -dppn)(η^4 -edt)] (edt = Ethanedithiolate; dppn =) <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 17 50 41716d (1,8-</i>		
28	Electrocatalytic proton reduction by thiolate-capped triiron clusters [Fe ₃ (CO) ₉ (η^3 -SR)(η^4 -H)] (R = η^1 -Pr, tBu). <i>Inorganica Chimica Acta</i> , 2018, 480, 47-53.	2.4	13
29	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
30	Mixed-valence dimolybdenum complexes containing hard oxo and soft carbonyl ligands: synthesis, structure, and electrochemistry of Mo ₂ (O)(CO) ₂ (η^4 - η^2 -S(CH ₂) _n S) ₂ (η^2 -diphosphine). <i>Dalton Transactions</i> , 2018, 47, 10102-10112.	3.3	3
31	Diphosphine-induced thiolate-bridge scission of [Re(CO) ₃ (η^4 , η^2 -S, N-thpymS)] ₂ (thpymS =) <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 17 50 41716d (1,8-</i> isomers of [Re(CO) ₃ (η^2 -S, N-thpymS)] ₂ (η^4 , η^1 , η^1 -dppe). <i>Journal of Organometallic Chemistry</i> , 2018, 871, 167-177.	1.8	4
32	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
33	Mixed main group transition metal clusters: Reactions of [Ru ₃ (CO) ₁₀ (η^4 -dppm)] with Ph ₃ SnH. <i>Journal of Organometallic Chemistry</i> , 2017, 840, 47-55.	1.8	8
34	Reactions of Ru ₃ (CO) ₁₀ (η^4 -dppm) with Ph ₃ GeH: Ge-H and Ge-C bond cleavage in Ph ₃ GeH at triruthenium clusters. <i>Journal of Organometallic Chemistry</i> , 2017, 843, 75-86.	1.8	12
35	An exhibition of different coordination modes displayed by 2-vinylpyrazine and 2-vinylpyridine at triosmium centres. <i>Journal of Organometallic Chemistry</i> , 2017, 849-850, 80-87.	1.8	5
36	Reactions of the face-capped benzothiazolate-substituted clusters Os ₃ (CO) ₉ (η^3 , η^2 -C ₇ H ₃ NSR)(η^4 -H) (R = H, Me) with PPh ₃ : Kinetic formation of Os ₃ (CO) ₉ (PPh ₃)(η^4 , η^2 -C ₇ H ₃ NSR)(η^4 -H) and thermally induced ligand isomerization. <i>Journal of Organometallic Chemistry</i> , 2017, 849-850, 337-349.	1.8	4

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37	Trinuclear clusters containing 2-aminopyridinate/pyrimidinate ligands as electrocatalysts for proton reduction. <i>Journal of Organometallic Chemistry</i> , 2017, 851, 57-67.	1.8	9
38	Electrocatalytic proton reduction by $[\text{Fe}(\text{CO})_2(\eta^2\text{-dppv})(\eta^1\text{-Sar})_2]$ (dppv = cis-Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (-1,2-b	2.2	5
39	Alkyne activation and polyhedral reorganization in benzothiazolate-capped osmium clusters on reaction with diethyl acetylenedicarboxylate (DEAD) and ethyl propiolate. <i>Dalton Transactions</i> , 2017, 46, 13597-13609.	3.3	2
40	A comparative study of the electrochemical and proton-reduction behaviour of diphosphine-dithiolate complexes $[\text{M}_2(\text{CO})_4(\eta^4\text{-dppm})(\eta^4\text{-S}(\text{CH}_2)_n\text{S})]$ ($\text{M} = \text{Fe}, \text{Ru}$; $n = 2, 3$). <i>Transition Metal Chemistry</i> , 2017, 42, 597-603.	1.4	10
41	Hydrogenase biomimetics: structural and spectroscopic studies on diphosphine-substituted derivatives of $\text{Fe}_2(\text{CO})_6(\mu\text{-edt})$ (edt = ethanedithiolate) and $\text{Fe}_2(\text{CO})_6(\mu\text{-tdt})$ (tdt = 1,3-toluenedithiolate). <i>Transition Metal Chemistry</i> , 2016, 41, 933-942.	1.4	13
42	Oxidative-addition of germanium-hydrogen bonds to triosmium centers: Reactions of $\text{Os}_3(\text{CO})_{10}(\eta^4\text{-dppm})$ and $\text{Os}_3(\text{CO})_8(\eta^3\text{-Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4)(\eta^4\text{-H})$ with Ph_3GeH . <i>Journal of Organometallic Chemistry</i> , 2016, 812, 240-246.	1.8	13
43	Biomimetics of the $[\text{FeFe}]$ -hydrogenase enzyme: Identification of kinetically favoured apical-basal $[\text{Fe}_2(\text{CO})_4(\eta^4\text{-H})\{\eta^2\text{-Ph}_2\text{PC}(\text{Me})_2\text{PPh}_2\}(\eta^4\text{-pdt})]^+$ as a proton-reduction catalyst. <i>Journal of Organometallic Chemistry</i> , 2016, 812, 247-258.	1.8	54
44	Hydrogenase biomimetics with redox-active ligands: Electrocatalytic proton reduction by $[\text{Fe}_2(\text{CO})_4(\eta^2\text{-diamine})(\eta^4\text{-edt})]$ (diamine = 2,2'-bipy, 1,10-phen). <i>Polyhedron</i> , 2016, 116, 127-135.	2.2	36
45	Iron carbonyl complexes bearing phenazine and acridine ligands: X-ray structures of $\text{Fe}(\text{CO})_3(\eta^4\text{-C}_{12}\text{H}_8\text{N}_2)$, $\text{Fe}(\text{CO})_2\{\text{P}(\text{OMe})_3\}(\eta^4\text{-C}_{12}\text{H}_8\text{N}_2)$, $\text{Fe}(\text{CO})_2(\text{PPh}_3)(\eta^4\text{-C}_{13}\text{H}_9\text{N})$, and $\text{Fe}(\text{CO})_2(\eta^1\text{-dppm})(\eta^4\text{-C}_{12}\text{H}_8\text{N}_2)$. <i>Journal of Organometallic Chemistry</i> , 2016, 805, 34-41.	1.8	7
46	Reactions of $[\text{CpM}(\text{CO})_3]_2$ ($\text{M} = \text{Mo}, \text{W}$) with Ph_3SnSR : formation of $\text{CpM}(\text{CO})_3(\text{SnPh}_3)$ and $\text{CpM}(\text{CO})_2(\eta^2\text{-SR})$ via Sn-S bond cleavage. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1903-1912.	2.2	3
47	Oxidative-addition of the N-H bond of saccharin (sach) to a triosmium centre: Synthesis, structure and reactivity of $\text{Os}_3(\text{CO})_{10}(\eta^4\text{-H})(\eta^4\text{-sac})$. <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 281-290.	1.8	6
48	Electrocatalytic proton reduction catalysed by the low-valent tetrairon-oxo cluster $[\text{Fe}_4(\text{CO})_{10}(\eta^2\text{-dppn})(\eta^4\text{-O})]^{2+}$ [dppn = 1,1'-bis(diphenylphosphino)naphthalene]. <i>Dalton Transactions</i> , 2015, 44, 5160-5169.	3.3	11
49	Variations in binding modes of 2-mercaptobenzoxazolates in the novel cyclic trinuclear complexes $[\text{Mn}_3(\text{CO})_{10}(\eta^4\text{-SCNOC}_6\text{H}_4)_3]$ and $[\text{Re}_3(\text{CO})_{12}(\eta^4\text{-SCNOC}_6\text{H}_4)_3]$. <i>Inorganic Chemistry Communication</i> , 2015, 549, 69-72.	3.4	8
50	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure, Fluxionality and Regioselective Thermally-Induced Transformations of $\text{Ru}_3(\text{CO})_{10}\{\mu\text{-Ph}_2\text{PCH}(\text{Me})\text{PPh}_2\}$. <i>Journal of Cluster Science</i> , 2015, 26, 169-185.	3.3	10
51	Synthesis, structure and bonding of new mono- and dinuclear molybdenum complexes containing pyridine-2-thiolate (pyS) and different P-donors. <i>Inorganica Chimica Acta</i> , 2015, 434, 150-157.	2.4	13
52	Reactivity of $[\text{CpMo}(\text{CO})_2]_2$ towards heterocyclic thiols: Synthesis, structure, and bonding in the sulfido-ligated cluster $\text{Cp}_3\text{Mo}_3(\eta^4\text{-CO})_2(\eta^4\text{-}^i\text{-C}_7\text{H}_4\text{NS})(\eta^4\text{-S})(\eta^4\text{-S})$. <i>Inorganica Chimica Acta</i> , 2015, 434, 97-103.	2.4	6
53	Reactions of the η^5 -furyl complex $[\text{Fe}_2(\text{CO})_6(\eta^4\text{-Fu})(\eta^4\text{-PFu}_2)]$ ($\text{Fu} = \text{C}_4\text{H}_3\text{O}$) with phosphines: Carbonyl substitution, migratory carbonyl insertion and cyclometallation-induced furan elimination. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 326-335.	1.8	11
54	Hydrogenase biomimetics: $\text{Fe}_2(\text{CO})_4(\eta^4\text{-dppf})(\eta^4\text{-pdt})$ (dppf = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (-1,2-b) <i>Chemical Communications</i> , 2014, 50, 945-947.	4.1	105

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55	Combining anti-cancer drugs with artificial sweeteners: Synthesis and anti-cancer activity of saccharinate (sac) and thiosaccharinate (tsac) complexes cis -[Pt(sac) 2 (NH 3) 2] and cis -[Pt(tsac) 2 (NH 3) 2]. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 55-57.	3.5	27
56	Bioinspired Hydrogenase Models: The Mixed-Valence Triiron Complex [Fe₃(CO)₇(1/4-edt)₂] and Phosphine Derivatives [Fe₃(CO)₇(1/4-edt)₂(PPH₃)₂] (1/4-edt = 1, 2) and [Fe₃(CO)₅(1/4-edt)₂(1/4-edt)₂] as Proton Reduction Catalysts. <i>Organometallics</i> , 2014, 33, 1356-1366.	2.3	22
57	Synthesis of [Ru₃(CO)₉(1/4-dppf){P(C₄H₃E)₃} (E = O, S) and thermally induced cyclometalation to form [(1/4-H)Ru₃(CO)₇(1/4-dppf){1/4-3-(C₄H₃E)2P(C₄H₂E)}] (dppf = 1,1'-bis(diphenylphosphino)ferrocene). <i>Journal of Organometallic Chemistry</i> , 2014, 760, 231-239.	1.8	13
58	Bimetallic osmium-tin complexes: Stannylenes and hydrostannylenes clusters upon addition of Ph₃SnH to unsaturated triosmium clusters [(1/4-H)Os₃(CO)₈(1/4-diphosphine)] (diphosphine = dppm, dppf). <i>Inorganica Chimica Acta</i> , 2014, 409, 320-329.	2.4	21
59	Experimental and computational studies on the reaction of silanes with the diphosphine-bridged triruthenium clusters Ru₃(CO)₁₀(1/4-dppf), Ru₃(CO)₁₀(1/4-dppm) and Ru₃(CO)₉(1/4-3-PPH₂PPh(C₆H₄)). <i>Journal of Organometallic Chemistry</i> , 2014, 767, 185-195.	1.8	9
60	Models of the iron-only hydrogenase: a comparison of chelate and bridge isomers of Fe₂(CO)₄(Ph₂PN(R)PPh₂)(1/4-pdt) as proton-reduction catalysts. <i>Dalton Transactions</i> , 2013, 42, 6775.	3.3	111
61	Fluorinated models of the iron-only hydrogenase: An electrochemical study of the influence of an electron-withdrawing bridge on the proton reduction overpotential and catalyst stability. <i>Journal of Electroanalytical Chemistry</i> , 2013, 703, 14-22.	3.8	23
62	Re₂(CO)₆(1/4-thpymS)₂ (thpymSH = pyrimidine-2-thiol) as a versatile precursor to mono- and polynuclear complexes: X-ray crystal structures of fac-Re(CO)₃(PPh₃)(1/2-thpymS) and two isomers of ReRu₃(CO)₁₃(1/4-3-thpymS). <i>Journal of Organometallic Chemistry</i> , 2013, 728, 30-37.	1.8	11
63	Triosmium Clusters Containing 2-Mercaptobenzothiazolate Ligands. <i>Australian Journal of Chemistry</i> , 2012, 65, 773.	0.9	11
64	The First Carbonyl-Substituted Derivative of [Mn₂(CO)₆(1/4-pyS)₂]. <i>Australian Journal of Chemistry</i> , 2012, 65, 796.	0.9	8
65	Reactivity of Triruthenium Furryne and Thiophyne Clusters: Multiple Additions of Thiolato and Selenolato Ligands through Oxidative Addition of S-H and Se-H Bonds. <i>Organometallics</i> , 2012, 31, 2546-2558.	2.3	13
66	Backbone Modified Small Bite-Angle Diphosphines: Synthesis, Structure and Regioselective Thermal Rearrangements of Os₃(CO)₁₀(1/4-Ph₂PCH(Me)PPh₂). <i>Journal of Cluster Science</i> , 2012, 23, 781-798.	3.3	11
67	Synthesis, structure and reactivity of [Mn₂(CO)₆(1/4-MBT)₂] (MBT = 2-mercaptobenzothiazolato): A versatile precursor for mono- and polynuclear compounds. <i>Inorganica Chimica Acta</i> , 2012, 384, 76-82.	2.4	20
68	Reactivity of electron-deficient triosmium quinoline cluster [Os₃(CO)₉(1/4-3-1,2-C₉H₆N)(1/4-H)] with alkynes. <i>Inorganica Chimica Acta</i> , 2011, 378, 307-310.	2.4	9
69	Bio-inspired hydrogenase models: mixed-valence triiron complexes as proton reduction catalysts. <i>Chemical Communications</i> , 2011, 47, 11222.	4.1	23
70	Reaction of tri(2-furyl)phosphine with triosmium clusters: C-H and C activation to afford furryne and phosphinidene ligands. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 607-612.	1.8	13
71	Synthesis of new heterometallic complexes by tin-sulfur bond cleavage of pySSnPh₃ (pySH =) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 696, 2153-2160.	1.8	26
72	Centrosymmetric [Mn₂(CO)₆(1/4-thpymS)₂] (thpymS = tetrahydropyrimidine-2-thionato) as a synthon to mixed-metal clusters. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2935-2942.	1.8	19

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73	Bridging allyl ligands upon allene insertion into electron-deficient triosmium-hydride clusters [Os ₃ (CO) ₉ (η^3 -NSC ₇ H ₃ R)(η^1 -H)] (R=H, Me). <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3036-3039.	1.8	9
74	Synthesis, Structure and Reactivity of Electron Deficient Triosmium Cluster Bearing 2,6-Dimethylbenzothiazolide Ligand. <i>Journal of Chemical Crystallography</i> , 2010, 40, 572-578.	1.1	8
75	X-ray Structure of mer-[Mo(CO) ₃ (PPh ₃)(η^2 -dppm)]. <i>Journal of Chemical Crystallography</i> , 2010, 40, 712-715.	1.1	1
76	Mixed-metal cluster synthesis: [Re(CO) ₃ (η^1 -S ₂ NC ₇ H ₄)] ₂ as a precursor for tri- and tetranuclear 2-mercaptobenzothiolato capped clusters. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1146-1154.	1.8	26
77	Cluster-mediated alkenyl isomerism and carbon-carbon bond formation: The reaction of the unsaturated benzothiazole cluster [Os ₃ (CO) ₉ (η^3 -C ₇ H ₄ NS)(η^1 -H)] with dimethyl acetylenedicarboxylate. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1435-1440.	1.8	11
78	Carbon-hydrogen bond activation of phenyldi(2-thienyl)phosphine at a triosmium cluster centre. <i>Inorganica Chimica Acta</i> , 2010, 363, 1611-1614.	2.4	12
79	The rational synthesis of tetranuclear heterometallic butterfly clusters: reactions of [M ₂ (CO) ₆ (η^1 -pyS) ₂] (M = Re, Mn) with group VIII metal carbonyls. <i>New Journal of Chemistry</i> , 2010, 34, 1875.	2.8	22
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88	Carbon-Phosphorus Bond Activation of Tri(2-thienyl)phosphine at Dirhenium and Dimanganese Centers. <i>Organometallics</i> , 2009, 28, 1514-1523.	2.3	35
89	Synthesis and Molecular Structure of [Fe ₄ (CO) ₁₀ (η^4 -O)(η^2 -dppn)] (dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (2.3	12
90	Tetranuclear group 7/8 mixed-metal and open trinuclear group 7 metal carbonyl clusters bearing bridging 2-mercapto-1-methylimidazole ligands. <i>Dalton Transactions</i> , 2009, , 3510.	3.3	24

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92	A comparative study of the reactivity of unsaturated triosmium clusters $[\text{Os}_3(\text{CO})_8\{\mu_3\text{-Ph}_2\text{PCH}_2\text{P}(\text{Ph})\text{C}_6\text{H}_4\}\{\mu_4\text{-H}\}]$ and $[\text{Os}_3(\text{CO})_9\{\mu_3\text{-}i\text{-C}_7\text{H}_3(2\text{-Me})\text{NS}\}\{\mu_4\text{-H}\}]$ with BuNC. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3613-3621.	1.8	18
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