

# Andy T S Hor

## List of Publications by Year in descending order

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313  
papers

13,467  
citations

26630

56  
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99  
g-index

315  
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315  
docs citations

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times ranked

15670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Reduction in Alkaline Media: From Mechanisms to Recent Advances of Catalysts. <i>ACS Catalysis</i> , 2015, 5, 4643-4667.	11.2	1,022
2	Recent advances in C–S bond formation via C–H bond functionalization and decarboxylation. <i>Chemical Society Reviews</i> , 2015, 44, 291-314.	38.1	702
3	Enhancing multiphoton upconversion through energy clustering at sublattice level. <i>Nature Materials</i> , 2014, 13, 157-162.	27.5	528
4	Dual-Phase Spinel $\text{MnCo}_2\text{O}_4$ and Spinel $\text{MnCo}_2\text{O}_4$ /Nanocarbon Hybrids for Electrocatalytic Oxygen Reduction and Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12684-12691.	8.0	322
5	From Lithium–Oxygen to Lithium–Air Batteries: Challenges and Opportunities. <i>Advanced Energy Materials</i> , 2016, 6, 1502164.	19.5	296
6	Decoration of activated carbon nanotubes with copper and nickel. <i>Carbon</i> , 2000, 38, 363-372.	10.3	281
7	$\text{Co}_3\text{O}_4$ nanoparticle-modified $\text{MnO}_2$ nanotube bifunctional oxygen cathode catalysts for rechargeable zinc–air batteries. <i>Nanoscale</i> , 2013, 5, 4657.	5.6	247
8	$\text{Co}_3\text{O}_4$ nanoparticles decorated carbon nanofiber mat as binder-free air-cathode for high performance rechargeable zinc–air batteries. <i>Nanoscale</i> , 2015, 7, 1830-1838.	5.6	226
9	Broadband optical limiting with multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 1998, 73, 3632-3634.	3.3	215
10	$\text{Cp}^*\text{Rh}$ -Based Heterometallic Metallarectangles: Size-Dependent Borromean Link Structures and Catalytic Acyl Transfer. <i>Journal of the American Chemical Society</i> , 2013, 135, 8125-8128.	13.7	208
11	Metal Unsaturation and Ligand Hemilability in Suzuki Coupling. <i>Accounts of Chemical Research</i> , 2007, 40, 676-684.	15.6	181
12	Recent advances in metal catalysts with hybrid ligands. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1991-2024.	18.8	149
13	Influence of carbon pore size on the discharge capacity of $\text{Li–O}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12433-12441.	10.3	139
14	Ag nanoparticle-modified $\text{MnO}_2$ nanorods catalyst for use as an air electrode in zinc–air battery. <i>Electrochimica Acta</i> , 2013, 114, 598-604.	5.2	134
15	Potential of metal-free $\alpha$ -graphene alloy as electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1795-1810.	10.3	133
16	Durable rechargeable zinc–air batteries with neutral electrolyte and manganese oxide catalyst. <i>Journal of Power Sources</i> , 2016, 332, 330-336.	7.8	129
17	A Near-Neutral Chloride Electrolyte for Electrically Rechargeable Zinc–Air Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2080-A2086.	2.9	121
18	Nickel-Catalyzed Three-Component Domino Reactions of Aryl Grignard Reagents, Alkynes, and Aryl Halides Producing Tetrasubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 3189-3192.	13.7	115

#	ARTICLE	IF	CITATIONS
19	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/N@C) as efficient oxygen catalysts for Zn-air batteries. <i>Nanoscale</i> , 2016, 8, 5067-5075.	5.6	109
20	Eggplant-derived microporous carbon sheets: towards mass production of efficient bifunctional oxygen electrocatalysts at low cost for rechargeable Zn-air batteries. <i>Chemical Communications</i> , 2015, 51, 8841-8844.	4.1	104
21	Convenient Entry to Mono- and Dinuclear Palladium(II) Benzothiazolin-2-ylidene Complexes and Their Activities toward Heck Coupling. <i>Organometallics</i> , 2006, 25, 5105-5112.	2.3	94
22	Key parameters in design of lithium sulfur batteries. <i>Journal of Power Sources</i> , 2014, 269, 111-116.	7.8	93
23	Highly Selective Chromium(III) Ethylene Trimerization Catalysts with [NON] and [NSN] Heteroscorpionate Ligands. <i>Organometallics</i> , 2008, 27, 4277-4279.	2.3	91
24	Stabilization of Nickel(0) by Hemilabile P,N-Ferrocene Ligands and Their Ethylene Oligomerization Activities. <i>Organometallics</i> , 2006, 25, 4878-4882.	2.3	88
25	Benzenimidazole-Functionalized Imidazolium-Based N-Heterocyclic Carbene Complexes of Silver(I) and Palladium(II): Isolation of a Ag <sub>3</sub> Intermediate toward a Facile Transmetalation and Suzuki Coupling. <i>Organometallics</i> , 2008, 27, 672-677.	2.3	88
26	Electrospun aggregation-induced emission active POSS-based porous copolymer films for detection of explosives. <i>Chemical Communications</i> , 2014, 50, 13785-13788.	4.1	87
27	Efficient and durable oxygen reduction and evolution of a hydrothermally synthesized La <sub>0.55</sub> Mn <sub>0.45</sub> O <sub>3</sub> nanorod/graphene hybrid in alkaline media. <i>Nanoscale</i> , 2015, 7, 9046-9054.	5.6	86
28	Co@Co <sub>3</sub> O <sub>4</sub> @PPD Core-shell Nanoparticle-Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016, 12, 2580-2587.	10.0	86
29	Tellurium@Ordered Macroporous Carbon Composite and Free-standing Tellurium Nanowire Mat as Cathode Materials for Rechargeable Lithium-Tellurium Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401999.	19.5	83
30	Crystallographic Revelation of the Role of AlMe <sub>3</sub> (in MAO) in Cr [NNN] Pyrazolyl Catalyzed Ethylene Trimerization. <i>Organometallics</i> , 2009, 28, 2935-2937.	2.3	81
31	Sulfur-carbon yolk-shell particle based 3D interconnected nanostructures as cathodes for rechargeable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1853-1857.	10.3	79
32	Tricarbonylrhenium(I) complexes of phosphine-derivatized amines, amino acids and a model peptide: structures, solution behavior and cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2002, 650, 123-132.	1.8	78
33	Benzimidazolium-Pyrazole-Palladium(II) Complexes: New and Efficient Catalysts for Suzuki, Heck and Sonogashira Reactions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2391-2400.	4.3	78
34	Spacer directed metallo-supramolecular assemblies of pyridine carboxylates. <i>Coordination Chemistry Reviews</i> , 2011, 255, 273-289.	18.8	78
35	1,1'-Bis(diphenylphosphino)ferrocene in functional molecular materials. <i>Dalton Transactions</i> , 2012, 41, 12655.	3.3	78
36	Tuning the aspect ratio of NH <sub>2</sub> -MIL-53(Al) microneedles and nanorods via coordination modulation. <i>CrystEngComm</i> , 2013, 15, 654-657.	2.6	78

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37	Building better lithium-sulfur batteries: from LiNO <sub>3</sub> to solid oxide catalyst. <i>Scientific Reports</i> , 2016, 6, 33154.	3.3	77
38	A thermally stable and reversible microporous hydrogen-bonded organic framework: aggregation induced emission and metal ion-sensing properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11874-11880.	5.5	76
39	Structures of Copper Complexes of the Hybrid [SNS] Ligand of Bis(2-(benzylthio)ethyl)amine and Facile Catalytic Formation of 1-Benzyl-4-phenyl-1,2,3-triazole through Click Reaction. <i>Inorganic Chemistry</i> , 2009, 48, 1207-1213.	4.0	75
40	Preparation and assembly of colloidal gold nanoparticles in CTAB-stabilized reverse microemulsion. <i>Materials Letters</i> , 2003, 57, 3282-3286.	2.6	74
41	Substituent-dependent structures and catalysis of benzimidazole-tethered N-heterocyclic carbene complexes of Ag(i), Ni(ii) and Pd(ii). <i>Dalton Transactions</i> , 2010, 39, 5231.	3.3	73
42	1,1'-P/O-Ferrocenyl Ligands in Palladium-Catalyzed Suzuki Coupling of Aryl Chlorides. <i>Organometallics</i> , 2006, 25, 1199-1205.	2.3	69
43	Yb-doped WO <sub>3</sub> photocatalysts for water oxidation with visible light. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4291-4298.	7.1	69
44	Catalytic Annulation of Heterocycles via a Novel Redox Process Involving the Imidazolium Salt N-Heterocyclic Carbene Couple. <i>Organometallics</i> , 2008, 27, 3153-3160.	2.3	68
45	Novel Pt(II) Mono- and Biscarbene Complexes: Synthesis, Structural Characterization and Application in Hydrosilylation Catalysis. <i>Organometallics</i> , 2009, 28, 1212-1220.	2.3	68
46	Nitrogen-Rich Azoles as Ligand Spacers in Coordination Polymers. <i>Chemistry - an Asian Journal</i> , 2011, 6, 292-304.	3.3	67
47	Functionalized 1,2,3-triazoles as building blocks for photoluminescent POLOs (polymers of oligomers) of copper(i). <i>Dalton Transactions</i> , 2010, 39, 2631.	3.3	66
48	Manganese Oxide Catalyst Grown on Carbon Paper as an Air Cathode for High-Performance Rechargeable Zinc-Air Batteries. <i>ChemPlusChem</i> , 2015, 80, 1341-1346.	2.8	65
49	Chromium(iii) catalysed ethylene tetramerization promoted by bis(phosphino)amines with an N-functionalized pendant. <i>Dalton Transactions</i> , 2007, , 3493.	3.3	64
50	Chemistry of platinum sulphido-complexes. Part 4. Dimeric $\mu$ -alkyl-sulphido-complexes: crystal and molecular structures of [Pt <sub>2</sub> ( $\mu$ -S)-( $\mu$ -SMe)(PPh <sub>3</sub> ) <sub>4</sub> ]PF <sub>6</sub> ·MeOH and cis-[Pt <sub>2</sub> ( $\mu$ -SMe) <sub>2</sub> (NO <sub>2</sub> ) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 2645-2651.	1.1	62
51	Stitching 2D Polymeric Layers into Flexible Interpenetrated Metal-Organic Frameworks within Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4628-4632.	13.8	62
52	Aryl-BIAN-ligated silver(III) trifluoromethoxide complex. <i>Dalton Transactions</i> , 2015, 44, 19682-19686.	3.3	62
53	Copper-Catalyzed Trifluoromethylselenolation of Aryl and Alkyl Halides: The Silver Effect in Transmetalation. <i>Organic Letters</i> , 2014, 16, 524-527.	4.6	61
54	Cyclopentadienyl Molybdenum(II/VI) N-Heterocyclic Carbene Complexes: Synthesis, Structure, and Reactivity under Oxidative Conditions. <i>Organometallics</i> , 2010, 29, 1924-1933.	2.3	60

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55	Structural Effects of Sodium Cations in Polynuclear, Multicubane-Type Mixed Na-Ni Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4443-4446.	13.8	59
56	Utilisation of gold nanoparticles on amine-functionalised UiO-66 (NH <sub>2</sub> -UiO-66) nanocrystals for selective tandem catalytic reactions. <i>Chemical Communications</i> , 2016, 52, 6557-6560.	4.1	59
57	Efficient Suzuki Coupling of Aryl Chlorides Catalyzed by Palladium(0) with a P,N Heteroligand and Isolation of Unsaturated Intermediates. <i>Organometallics</i> , 2004, 23, 4342-4345.	2.3	57
58	Cobalt-catalyzed hydrogen desorption from the LiNH <sub>2</sub> -LiBH <sub>4</sub> system. <i>Dalton Transactions</i> , 2008, , 2395.	3.3	56
59	Bimetallic structure fabricated by laser interference lithography for tuning surface plasmon resonance. <i>Optics Express</i> , 2008, 16, 10701.	3.4	55
60	N-heterocyclic carbene complexes of Group 6 metals. <i>Coordination Chemistry Reviews</i> , 2015, 293-294, 292-326.	18.8	55
61	Substituted metal carbonyls XI. 1,1'-Bis(diphenylphosphino)ferrocene as a bridging, chelating and unidentate ligand in the synthesis of M <sub>2</sub> (CO) <sub>10</sub> (1/4-Pi-P), M(CO) <sub>4</sub> (1/2-Pi-P) and M(CO) <sub>5</sub> (1-Pi-P) (where M = Cr, Mo, Tj EQ1 1 02	1.4	54
62	"Click-and-click" hybridised 1,2,3-triazoles supported Cu(i) coordination polymers for azide-alkyne cycloaddition. <i>Dalton Transactions</i> , 2013, 42, 9437.	3.3	54
63	Motorized Janus metal organic framework crystals. <i>Chemical Communications</i> , 2014, 50, 15175-15178.	4.1	54
64	Substituted metal carbonyls—XVIII. rhenium 1,1'-bis(diphenylphosphino)ferrocene (DPPF) complexes derived from [Re <sub>2</sub> (CO) <sub>9</sub> ]. Crystal structures of two isomorphous pentametallic [M <sub>2</sub> (CO) <sub>9</sub> ] <sub>2</sub> (1/4-dppf) (M →) Tj EQ0 0 0 0 BT /Overl	1.0	54
65	Isolation of an [SNS]Pd(ii) pincer with a water ladder and its Suzuki coupling activity in water. <i>Chemical Communications</i> , 2008, , 3172.	4.1	52
66	Synthesis, characterization, and single-molecule metamagnetism of new Co(ii) polynuclear complexes of pyridine-2-ylmethanol. <i>Dalton Transactions</i> , 2011, 40, 10526.	3.3	52
67	Effect of oxygen evolution catalysts on hematite nanorods for solar water oxidation. <i>Chemical Communications</i> , 2011, 47, 10653.	4.1	52
68	Poly(m-phenylenediamine): Synthesis and characterization by X-ray photoelectron spectroscopy. <i>European Polymer Journal</i> , 1991, 27, 1303-1308.	5.4	51
69	Unusual Coordination Assemblies from Platinum(II) Thienyl and Bithienyl Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 7290-7296.	4.0	51
70	Crystallographic Elucidation of Chiral and Helical Cu(II) Polymers Assembled from a Heterodifunctional 1,2,3-Triazole Ligand. <i>Crystal Growth and Design</i> , 2010, 10, 1715-1720.	3.0	51
71	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. <i>ACS Catalysis</i> , 2016, 6, 7865-7871.	11.2	51
72	The effect of crystallinity on photocatalytic performance of Co <sub>3</sub> O <sub>4</sub> water-splitting cocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5172-5178.	2.8	50

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73	Hybrid NS ligands supported Cu(i)/(ii) complexes for azide-alkyne cycloaddition reactions. Dalton Transactions, 2013, 42, 11319.	3.3	49
74	Crystallographic Characterization of a Palladium(II) Metallamacrocycle Supported by an Amino-Functionalized Ferrocene and Its Use as an Efficient Suzuki-Coupling Catalyst. Organometallics, 2004, 23, 3603-3609.	2.3	46
75	X-Ray photoelectron spectroscopic characterization of $[Pt(PPh_3)_2(\mu_3-S)]_2PtCl_2$ , $[Pt_2(PPh_3)_4(\mu_3-S)_2Cu]_2(\mu-dppf)[PF_6]_2$ [dppf = Fe(C <sub>5</sub> H <sub>4</sub> PPh <sub>2</sub> ) <sub>2</sub> ] and other heterometallic aggregates derived from $[Pt(PPh_3)_2(\mu-S)]_2$ . Journal of the Chemical Society Dalton Transactions, 1994, , 3177-3182.	1.1	45
76	Photoresponsive Liquid Marbles and Dry Water. Langmuir, 2014, 30, 3448-3454.	3.5	45
77	A structurally characterized Ni-Al methyl-bridged complex with catalytic ethylene oligomerization activity. Chemical Communications, 2006, , 1319.	4.1	44
78	Ligand effect on ethylene trimerisation with [NNN]-heteroscorpionate pyrazolyl Cr(III) catalysts. Dalton Transactions, 2009, , 9327.	3.3	44
79	Silver-catalysed intramolecular hydroamination of alkynes with trichloroacetimidates. Chemical Communications, 2013, 49, 9272.	4.1	44
80	Ethylene Oligomerization at Coordinatively and Electronically Unsaturated Low-Valent Nickel. Angewandte Chemie - International Edition, 2005, 44, 7560-7564.	13.8	43
81	N-heterocyclic carbene Pt(ii) complexes from caffeine: synthesis, structures and photoluminescent properties. Dalton Transactions, 2011, 40, 4402.	3.3	43
82	Engineering Organic Macrocycles and Cages: Versatile Bonding Approaches. Chemistry - an Asian Journal, 2015, 10, 24-42.	3.3	43
83	Substituted metal carbonyls XII. Synthesis of Fe(CO) <sub>4</sub> ( $\eta$ -1-dppf) (dppf = (Ph <sub>2</sub> PC <sub>5</sub> H <sub>4</sub> ) <sub>2</sub> Fe) and its conversion into Fe <sub>2</sub> (CO) <sub>8</sub> ( $\eta$ -1/4-dppf) and (CO) <sub>4</sub> Fe( $\eta$ -1/4-dppf)Mo(CO) <sub>5</sub> . Journal of Organometallic Chemistry, 1990, 381, 121-125.	1.8	42
84	Substituted metal carbonyls. Part 21. $[M(CO)_5(dppf-P)]$ [M = Cr, Mo or W; dppf = Fe(C <sub>5</sub> H <sub>4</sub> PPh <sub>2</sub> ) <sub>2</sub> ] as a metalloligand in heteropolymetallic aggregates of AuI, PdII and PtII. Crystal and molecular structures of $[PtCl_2\{\eta-dppf\}W(CO)_5]_2$ and $[Mo(CO)_5(dppf-P)]$ . Journal of the Chemical Society Dalton Transactions, 1993, , 165-172.	1.1	42
85	Pd(ii) complexes of N,S-heterocyclic carbenes with pendant and coordinated allyl function and their Suzuki coupling activities. Dalton Transactions, 2007, , 3952.	3.3	42
86	Ruthenium(ii) N,S-heterocyclic carbene complexes and transfer hydrogenation of ketones. Dalton Transactions, 2010, 39, 10179.	3.3	42
87	Ambient arylmagnesiation of alkynes catalysed by ligandless nickel(ii). Chemical Communications, 2013, 49, 10121.	4.1	42
88	Cobalt sulfide nanoparticles impregnated nitrogen and sulfur co-doped graphene as bifunctional catalyst for rechargeable Zn-air batteries. RSC Advances, 2015, 5, 7280-7284.	3.6	42
89	Comparative reactivity studies of dppf-containing CpRuII and (C <sub>6</sub> Me <sub>6</sub> )RuII complexes towards different donor ligands (dppf=1,1'-bis(diphenylphosphino)ferrocene). Journal of Organometallic Chemistry, 2004, 689, 1978-1990.	1.8	41
90	Oligo- and Polymeric Pd <sup>II</sup> and Pt <sup>II</sup> Using Pyridyl Carboxylate Spacers for Topology Control. Inorganic Chemistry, 2008, 47, 6464-6474.	4.0	41

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91	Suzuki cross-coupling in aqueous media catalyzed by a 1,1'-N-substituted ferrocenediyl Pd(II) complex. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 18-24.	1.8	40
92	Palladium-free Suzuki-Miyaura cross-coupling at elevated pressures. <i>Tetrahedron Letters</i> , 2008, 49, 5620-5621.	1.4	40
93	Dalton communications. Synthesis and structural characterization of an Au-P linked chain polymer. The molecular structure of two pseudo-polymorphic forms of $[\{AuCl(\mu-dppf)\}_n][dppf = 1,1'-bis(diphenylphosphino)ferrocene]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 3629-3630.	1.1	39
94	Co <sub>3</sub> O <sub>4</sub> nanoparticles grown on N-doped Vulcan carbon as a scalable bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>RSC Advances</i> , 2015, 5, 75773-75780.	3.6	39
95	A zwitterionic 1D/2D polymer co-crystal and its polymorphic sub-components: a highly selective sensing platform for HIV ds-DNA sequences. <i>Dalton Transactions</i> , 2016, 45, 5092-5100.	3.3	39
96	Synthesis and characterisation of $[Ag_2Pt_4(\frac{1}{4}S)_4(PPH_3)_8](BF_4)_2 \cdot 0.25CHCl_3$ . <i>Journal of Organometallic Chemistry</i> , 1983, 256, C15-C18.	1.8	38
97	Synthesis, X-ray structures, and cytotoxicity of rhenium(I) carbonyl 2-(dimethylamino)ethoxide complexes. <i>Polyhedron</i> , 2002, 21, 1991-1999.	2.2	38
98	Substituted metal carbonyls. <i>Journal of Organometallic Chemistry</i> , 1987, 319, 213-217.	1.8	37
99	Substituted metal carbonyls XV. Crystal and molecular structures of two isomorphous singly diphosphine-bridged complexes $(OC)_5M(\frac{1}{4}dppf)M(CO)_5 \cdot CH_2Cl_2$ (M = Cr, Mo; dppf = $(Ph_2PC_5H_4)_2Fe$ ). <i>Journal of Organometallic Chemistry</i> , 1990, 397, 29-39.	1.8	37
100	A single-molecular pathway from heterometallic $MM_2$ (M = Ba, Mn; $M_2 = Cr, Ni$ ) oxalato complexes to intermetallic composite oxides. <i>Journal of Materials Chemistry</i> , 2007, 17, 1002-1006.	6.7	37
101	Promotion of tetrahedral copper(I) dimers by chelation of 1,1'-bis(diphenylphosphino)ferrocene (dppf). Crystal structures of $[\{Cu(\mu-X)(dppf-P, P)\}_2](X = O_2CH, I \text{ or } NO_3)$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3451-3458.	1.1	36
102	Supergluing MOF liquid marbles. <i>Chemical Communications</i> , 2013, 49, 493-495.	4.1	36
103	Metalloporphyrin-catalyzed hydroxylation of cyclohexane with molecular oxygen. <i>Journal of Molecular Catalysis</i> , 1991, 70, 247-257.	1.2	35
104	From Aggregates to Clusters. Facile Formation of Hetero-Metal-Metal Bonds through Reductive Desulfurization by CO in a Decapacitative Transformation of a $\{Pt_2MS_2\}$ Tbp Frame to a $\{Pt_2MS\}$ Tetrahedral Core (M = Ag, Cu, and Ru). <i>Journal of the American Chemical Society</i> , 1997, 119, 11006-11011.	13.7	35
105	Coordination polymers and supramolecular structures in Ag(I)triflate-dppf systems (dppf=1,1'-bis(diphenylphosphino)ferrocene). <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1746-1756.	1.8	35
106	Synthetic prospecting™ using an electrospray ionisation mass spectrometry directed survey of the alkylation and arylation chemistry of $[Pt_2(\frac{1}{4}S)_2(PPH_3)_4]$ . <i>Inorganica Chimica Acta</i> , 2006, 359, 3440-3450.	2.4	34
107	Formation and crystallographic elucidation of stable $[4 + 2]$ -coordinate nickel(II) N,S-heterocyclic carbene (NSHC) complexes. <i>Dalton Transactions</i> , 2009, , 1853.	3.3	34
108	Must an N-Heterocyclic Carbene Be a Terminal Ligand?. <i>Organometallics</i> , 2010, 29, 2403-2405.	2.3	34

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109	Chelating Schiff base assisted azide-bridged Mn(ii), Ni(ii) and Cu(ii) magnetic coordination polymers. Dalton Transactions, 2012, 41, 13379.	3.3	34
110	Five Cu(II) and Zn(II) clusters and coordination polymers of 2-pyridyl-1,2,3-triazoles: synthesis, structures and luminescence properties. CrystEngComm, 2015, 17, 3305-3311.	2.6	34
111	Substituted metal carbonyls. Journal of Organometallic Chemistry, 1987, 331, 23-28.	1.8	33
112	Synthesis and structural characterization of mixed carbene-carboxylate complexes of palladium(II). Journal of Organometallic Chemistry, 2004, 689, 1766-1770.	1.8	33
113	Pd(II) complexes with mixed benzothiazolin-2-ylidene and phosphine ligands and their catalytic activities toward C-C coupling reactions. Dalton Transactions, 2008, , 699-706.	3.3	33
114	Zinc, cobalt and copper coordination polymers with different structural motifs from picolyl-triazole hybrid ligands. CrystEngComm, 2012, 14, 961-971.	2.6	33
115	Tuning Omniphobicity via Morphological Control of Metal-Organic Framework Functionalized Surfaces. Journal of the American Chemical Society, 2013, 135, 16272-16275.	13.7	33
116	Stepwise assembly of linearly-aligned Ru-M-Ru (M = Pd, Pt) heterotrimetallic complexes with 4-ethynylpyridine spacer. Dalton Transactions, 2008, , 2929.	3.3	32
117	Amorphous ruthenium nanoparticles for enhanced electrochemical water splitting. Nanotechnology, 2015, 26, 415401.	2.6	32
118	Structural, Dynamic, and Theoretical Studies of [AuPt <sub>2</sub> (PPh <sub>3</sub> ) <sub>4</sub> (S) <sub>2</sub> -n(S) <sub>n</sub> L][PF <sub>6</sub> ] <sub>n</sub> [n = 1, L = PPh <sub>3</sub> ; n = 2, L = Ph <sub>2</sub> PCH <sub>2</sub> PPh <sub>2</sub> , (C <sub>5</sub> H <sub>4</sub> PPh <sub>2</sub> ) <sub>2</sub> Fe]. Inorganic Chemistry, 2000, 39, 5299-5305.	4.0	31
119	Nitrato displacement in [Ag <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> (dppf) <sub>2</sub> ]. Molecular structure of a homoleptic dppf complex, [Ag <sub>2</sub> (dppf)(dppf) <sub>2</sub> ](PF <sub>6</sub> ) <sub>2</sub> (dppf = 1,1'-bis(diphenylphosphino)ferrocene). Journal of Organometallic Chemistry, 1994, 464, 113-119.	1.8	30
120	Structural dynamics and ligand mobility in carboxylate and dithiocarbamate complexes of Ru(II) containing 1,1'-bis(diphenylphosphino)ferrocene (dppf). Journal of Organometallic Chemistry, 2003, 688, 100-111.	1.8	30
121	Cross-coupling of alkyl halides with aryl or alkyl Grignards catalyzed by dinuclear Ni(II) complexes containing functionalized tripodal amine-pyrazolyl ligands. Dalton Transactions, 2013, 42, 5150.	3.3	30
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125	Mono- and Dinuclear Palladium(II) N-Heterocyclic Carbene Complexes with N Spacers and their Suzuki Coupling Activities. Chemistry - an Asian Journal, 2008, 3, 1649-1656.	3.3	29
126	Facile formation and redox of benzoxazole-2-thiolate-bridged dinuclear Pt(II/III) complexes. Dalton Transactions, 2012, 41, 12568.	3.3	29



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127	Luminescent [Cu <sub>4</sub> ] aggregates and [Cu <sub>3</sub> ] cyclic coordination polymers supported by quinolyl-triazoles. Dalton Transactions, 2015, 44, 6075-6081.	3.3	29
128	Ligand Functionalization, Reactivity, and Transformation at the Selenide Centers of [Pt <sub>2</sub> ( $\mu$ -Se) <sub>2</sub> (PPh <sub>3</sub> ) <sub>4</sub> ] with Organic Halides. Organometallics, 2002, 21, 2944-2949.	2.3	28
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130	Iron(ii) complexes with functionalized amine-pyrazolyl tripodal ligands in the cross-coupling of aryl Grignard with alkyl halides. Dalton Transactions, 2011, 40, 8935.	3.3	27
131	Methoxylation of the Re-Re bond in [Re <sub>2</sub> (CO) <sub>10</sub> ] by methanol under ambient conditions. Journal of the Chemical Society Dalton Transactions, 1992, , 423-426.	1.1	26
132	Catalytic dechlorination of chlorobenzenes: effect of solvent on efficiency and selectivity. Journal of Molecular Catalysis A, 1999, 144, 397-403.	4.8	26
133	Metal Scrambling in the Trinuclear {Pt <sub>2</sub> Se <sub>2</sub> M} (M = Pt, Pd, Au) System Using an Electrospray Mass Spectrometry (ESMS) Directed Synthetic Methodology; Isolation and Crystallographic Characterization of {Pt <sub>2</sub> ( $\mu$ -Se) <sub>2</sub> (PPh <sub>3</sub> ) <sub>4</sub> [Pt(cod)]}{PF <sub>6</sub> } <sub>2</sub> and {Pt( $\mu$ -Se) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> [Pt(cod)] <sub>2</sub> }{PF <sub>6</sub> } <sub>2</sub> (cod = $\eta$ -TjEtQq110.784314	4.0	26
134	Methylation of [Pt <sub>2</sub> ( $\mu$ -SR)( $\mu$ -S)(PPh <sub>3</sub> ) <sub>4</sub> ]: En Route to Mixed-Thiolato Bridged Complexes. Chemistry - an Asian Journal, 2006, 1, 264-272.	3.3	26
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143	Substituted metal carbonyls. Journal of Organometallic Chemistry, 1991, 407, 353-357.	1.8	24
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146	Complexes with the fac-[M(CO) <sub>3</sub> ] <sup>+</sup> (M=99mTc, Re) moiety and long alkyl chain ligands as Lipiodol surrogates. <i>Inorganica Chimica Acta</i> , 2006, 359, 4087-4094.	2.4	24
147	General formation of trigonal-prismatic [Ag <sub>6</sub> X <sub>5</sub> (dppf) <sub>3</sub> ] <sup>+</sup> (X = Cl, Br, I) through an unusual ligand migration from NiX <sub>2</sub> (dppf) to AgOTf. <i>Chemical Communications</i> , 2007, , 4221.	4.1	24
148	Stable diplatinum complexes with functional thiolato bridges from dialkylation of [Pt <sub>2</sub> (μ-S) <sub>2</sub> (P)P] <sup>2+</sup> [P = 2- $\text{Å}$ -PPh <sub>3</sub> , Ph <sub>2</sub> P(CH <sub>2</sub> ) <sub>3</sub> PPh <sub>2</sub> ]. <i>Dalton Transactions</i> , 2007, , 4008.	3.3	24
149	General One-Step Self-Assembly of Isostructural Intermetallic Co <sub>13</sub> Ln <sub>11</sub> Cubane Aggregates. <i>Inorganic Chemistry</i> , 2012, 51, 12059-12061.	4.0	24
150	First crystallographic elucidation of a high-valent molybdenum oxoN-heterocyclic carbene complex [CpMoVIO <sub>2</sub> (lBz)] <sub>2</sub> [Mo <sub>6</sub> O <sub>19</sub> ]. <i>Dalton Transactions</i> , 2012, 41, 1454-1456.	3.3	24
151	An electrospray mass spectrometry-directed survey of the coordination chemistry of the metalloligand [Pt <sub>2</sub> (μ <sup>4</sup> -S) <sub>2</sub> (PPh <sub>3</sub> ) <sub>4</sub> ] with platinum(II) and palladium(II) chloride substrates: influence of metal-ligand lability on product type. <i>Inorganica Chimica Acta</i> , 2004, 357, 2081-2090.	2.4	23
152	Constructing homo- and hetero-metallic molecular topologies using pyridylcarboxylates as spacers: preparation of a half-ring complex with active coordination sites. <i>Dalton Transactions</i> , 2004, , 3389.	3.3	23
153	Nuclearity growth towards Ni(II) cubane in self-assembly with 2-hydroxymethyl pyridine (hmpH) and 5-ethoxycarbonyl-2-hydroxymethyl pyridine (5-ehmpH). <i>CrystEngComm</i> , 2011, 13, 2915.	2.6	23
154	Enhanced Emission and Analyte Sensing by Cinchonine Iridium(III) Cyclometalated Complexes Bearing Bent Diphosphine Chelators. <i>Organometallics</i> , 2013, 32, 2908-2917.	2.3	23
155	A supramolecular recyclable catalyst for aqueous Suzuki-Miyaura coupling. <i>RSC Advances</i> , 2015, 5, 3590-3596.	3.6	23
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159	Ferrocenyl iminophosphine ligands in Pd-catalysed Suzuki couplings. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2928-2934.	1.8	22
160	Facile Self-Assembly of Intermetallic [Ni <sub>2</sub> Gd <sub>2</sub> ] Cubane Aggregate for Magnetic Refrigeration. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2943-2946.	3.3	22
161	Effect of La-Doping on optical bandgap and photoelectrochemical performance of hematite nanostructures. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19290-19297.	10.3	22
162	A Triazolyl-Pyridine-Supported Cu <sup>I</sup> Dimer: Tunable Luminescence and Fabrication of Composite Fibers. <i>ChemPlusChem</i> , 2015, 80, 1235-1240.	2.8	22

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164	Complete debromination of polybrominated benzenes at room temperature catalyzed by palladium metallocenyl diphosphine complexes. <i>Journal of Molecular Catalysis A</i> , 1997, 126, L83-L88.	4.8	21
165	Heterometallic multinuclear Pt <sup>II</sup> -M (M=Au, Ag) structural assemblies from dinuclear [Pt <sub>2</sub> (P <sup>II</sup> -P)2(1/4-S)2] (P <sup>II</sup> -P=2PPh <sub>3</sub> , dppf). <i>Journal of Organometallic Chemistry</i> , 2003, 682, 73-78.	1.8	21
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167	Unexpected coordination difference in geometric-isomerism between N,S- and N,N-heterocyclic carbenes in cyclometallated platinum(II). <i>Chemical Communications</i> , 2009, , 6831.	4.1	21
168	Bent tritopic carboxylates for coordination networks: clues to the origin of self-penetration. <i>CrystEngComm</i> , 2014, 16, 7722-7730.	2.6	21
169	Substituted metal carbonyls. Part 2. Facile syntheses of mixed-ligand tricarbonyl complexes of chromium, molybdenum and tungsten. <i>Inorganica Chimica Acta</i> , 1987, 128, L3-L4.	2.4	20
170	Synthesis of M <sub>0</sub> (1/2-dppf) <sub>2</sub> (M $\rightarrow$ Pd, Pt; dppf $\rightarrow$ Fe(C <sub>5</sub> H <sub>4</sub> PPh <sub>2</sub> ) <sub>2</sub> ) and their reactions with Fe <sub>3</sub> (1/3-S) <sub>2</sub> (CO) <sub>9</sub> and elemental sulfur. <i>Journal of Organometallic Chemistry</i> , 1994, 483, 17-20.	1.8	20
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174	Crystallographic analysis of different water-halidecluster blends in cationic [(SNS)PdII] pincer complexes. <i>CrystEngComm</i> , 2010, 12, 226-233.	2.6	19
175	Highly emissive, solution-processable and dynamic Eu(III)-containing coordination polymers. <i>Chemical Communications</i> , 2015, 51, 8656-8659.	4.1	19
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179	Formation and structures of Pd(II) N,S-heterocyclic carbene-pyridyl mixed-ligand complexes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 332-338.	1.8	18
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182	Stoichiometric sensitivity and structural diversity in click-active copper( $\mu$ -N,S-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2014, 43, 1305-1312.	3.3	18
183	Substituted metal carbonyls. XIV. Polynuclear heterometallic complexes of Cr, Mo, W and Mn supported by singly-bridging 1,1'-bis(diphenylphosphino)ferrocene. <i>Polyhedron</i> , 1990, 9, 2305-2308.	2.2	17
184	Thermal Analysis of Electroactive Polymers based on Aniline and its Derivatives. <i>Journal of Thermal Analysis</i> , 1993, 39, 177-185.	0.6	17
185	Substituted metal carbonyls. Part 24. Heteropolymetallic oligomers $[(OC)_xM(\mu-L)M(CO)_4(\mu-L)M(\mu-L)M(\mu-L)M(CO)_x]$ and $[(OC)_5Mn(\mu-L)Mn(CO)_4(\mu-L)M(CO)_4(\mu-L)Mn(\mu-L)Mn(CO)_5]$ [M = Cr, Mo or W; $M=Cr, Mo, W$ ( $x=5$ ) or Fe ( $x=4$ ); $L=C_5H_4PPh_2$ or $Ph_2P(CH_2)_mPPh_2$ ( $m=2$ or $3$ )], with metal carbonyl and diphosphine repeating units. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2697-2702.		17
186	Ligand exchange reactions of $[Re_2(\mu_4-OR)_3(CO)_6]^{+}$ ( $R=H, Me$ ) with sulfur, selenium, phosphorus and nitrogen donor ligands, investigated by electrospray mass spectrometry. <i>Dalton Transactions RSC</i> , 2000, , 3204-3211.	2.3	17
187	Chloride substitution of $[CpRu(dppf)Cl]$ with sulfur-containing ligands. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1444-1451.	1.8	17
188	Synthesis and X-ray structures of rhenium(I) carbonyl aminoalkoxide and aminocarboxylate complexes. <i>Inorganica Chimica Acta</i> , 2006, 359, 3754-3762.	2.4	17
189	One-step formation of cyclometallated Au(III) N,S-heterocyclic carbene: crystallographic analysis. <i>Dalton Transactions</i> , 2009, , 7248.	3.3	17
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191	The arylation of $[Pt_2(\mu_4-S)_2(PPh_3)_4]$ . <i>Inorganica Chimica Acta</i> , 2010, 363, 637-644.	2.4	17
192	N,S-Heterocyclic Carbene Complexes. <i>Australian Journal of Chemistry</i> , 2010, 63, 727.	0.9	17
193	Aqueous phenol oxidation catalysed by molybdenum and tungsten carbonyl complexes. <i>Applied Catalysis A: General</i> , 2011, 393, 269-274.	4.3	17
194	One-step entry to olefin-tethered N,S-heterocyclic carbene complexes of ruthenium with mixed ligands. <i>Dalton Transactions</i> , 2012, 41, 5988.	3.3	17
195	Molybdenum (0) and tungsten (0) carbonyl N-heterocyclic carbene complexes as catalyst for olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2015, 775, 188-194.	1.8	17
196	Multicomponent (Ce, Cu, Ni) oxides with cage and core-shell structures: tunable fabrication and enhanced CO oxidation activity. <i>Nanoscale</i> , 2016, 8, 9521-9526.	5.6	17
197	Substituted metal carbonyls. Part 5. Convenient syntheses of some group 6 phosphine and pyridine substituted penta- and tetra-carbonyls and isolation of the singly bridging 1,2-bis(4-pyridyl)ethylene dimetal decacarbonyl complexes. <i>Inorganica Chimica Acta</i> , 1988, 143, 3-5.	2.4	16
198	Substituted metal carbonyls. Part 8. Group 6 dimetal decacarbonyls with singly bridging long-backbone diphosphines. <i>Inorganica Chimica Acta</i> , 1989, 158, 5-6.	2.4	16

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200	Formation and structural relationship of electroactive Pt <sup>II</sup> /Hg <sup>II</sup> polymetallic sulfide aggregates. Dalton Transactions RSC, 2000, , 2901-2908.	2.3	16
201	Isolation and structural characterization of some stable Pd(II) carboxylate complexes supported by 1,1'-bis(diphenylphosphino) ferrocene (dppf). Journal of Organometallic Chemistry, 2002, 658, 159-168.	1.8	16
202	Structural and Nonlinear Optical Properties of Aligned Heterotrimeric [Ru <sup>II</sup> (Spacer) <sub>2</sub> (M <sup>II</sup> (Spacer)) <sub>2</sub> ] Complexes (M = Pd, Pt); <a href="#">TJ ETQq0 0 0.gBT / Overlock 10 T</a>	0.6	16
203	[Pt <sub>2</sub> ( $\eta^4$ -SAz)( $\eta^4$ -S)] <sub>2</sub> <sup>+</sup> (SAz = azolium thiolate) dication as an unusual source for quadruply bridging sulfide in [Ag <sub>2</sub> Pt <sub>2</sub> ( $\eta^4$ -SAz)( $\eta^4$ -S)] <sub>3</sub> <sup>+</sup> . Dalton Transactions, 2010, 39, 2441.	3.3	16
204	Tuning the Zn(II) coordination assembly by adjusting the spacers of 2-pyridylthiomethyl functionalized 1,2,3-triazoles. CrystEngComm, 2013, 15, 10451.	2.6	16
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206	Thermal degradation of the transition metal carbonyl complexes. Journal of Thermal Analysis, 1987, 32, 1115-1126.	0.6	15
207	Synthetic, Structural, Electrochemical, and Theoretical Studies of Heterometallic Aggregates with a [Pt <sub>2</sub> ( $\eta^4$ -S) <sub>2</sub> M] Core (M = Hg, Au). Inorganic Chemistry, 2002, 41, 6838-6845.	4.0	15
208	Coordination chemistry of the [Pt <sub>2</sub> ( $\eta^4$ -S) <sub>2</sub> (PPh <sub>3</sub> ) <sub>4</sub> ] metalloligand with $\eta^6$ -hydrocarbon derivatives of d <sup>6</sup> ruthenium(II), osmium(II), rhodium(III) and iridium(III). Journal of Organometallic Chemistry, 2003, 679, 24-31.	1.8	15
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211	Isolation and crystallographic characterization of solvate- and anion-stabilized PCP pincer complexes of palladium(II). Journal of Organometallic Chemistry, 2008, 693, 1628-1635.	1.8	15
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215	Cyclopentadienyl nickel( $\eta^5$ -Cp) N,C-chelating benzothiazolyl NHC complexes: synthesis, characterization and application in catalytic C-C bond formation reactions. Dalton Transactions, 2016, 45, 7312-7319.	3.3	15
216	Fragmentation pathways of [Re <sub>2</sub> ( $\eta^4$ -OR) <sub>3</sub> (CO) <sub>6</sub> ] <sup>+</sup> (R = H, Me) and ligand exchange reactions with oxygen donor ligands, investigated by electrospray mass spectrometry. Dalton Transactions RSC, 2000, , 3197-3203.	2.3	14

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217	Silver decoration of a palladacycle through "spacer" guest interaction. <i>Inorganica Chimica Acta</i> , 2006, 359, 3435-3439.	2.4	14
218	Sulfide-bridged aggregates from the metalloligand $[Pt_2(\mu-S)_2(PPh_3)_4]$ and $\mu^2$ -diketonate complexes of cobalt(II) and zinc(II). <i>Inorganica Chimica Acta</i> , 2006, 359, 680-684.	2.4	14
219	Dinuclear PCP pincer complexes from Lewis acidic $[Pd(OTf)(PCP)]$ and basic $[Pd(4-Spy)(PCP)]$ (OTf = Tj ETQq1 1 0,784314 rgBT /Ove	3.3	14
220	Structures and Suzuki-Coupling of N-Heterocyclic Carbene Complexes of PdII with Coordinated Solvent and PPh <sub>3</sub> . <i>Australian Journal of Chemistry</i> , 2009, 62, 1047.	0.9	14
221	Magnetically Recoverable Magnetite/Gold Catalyst Stabilized by Poly(N-vinyl-2-pyrrolidone) for Aerobic Oxidation of Alcohols. <i>Molecules</i> , 2011, 16, 149-161.	3.8	14
222	$[Zn(phen)(O,N,O)(H_2O)]$ and $[Zn(phen)(O,N)(H_2O)]$ with O,N,O- $\mu^2$ -6-dipicolinate and N,O- $\mu^2$ -threoninate: synthesis, characterization, and biomedical properties. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1093-1105.	2.6	14
223	Azide-bridged Cd(II) 1D coordination polymer with Cd <sub>13</sub> nano-crown-like cluster. <i>CrystEngComm</i> , 2013, 15, 650-653.	2.6	14
224	Re(I) carbonyl complexes containing pyridyl-imine and amine ligands: Synthesis, characterization and their catalytic olefin epoxidation activities. <i>Journal of Organometallic Chemistry</i> , 2016, 814, 1-7.	1.8	14
225	Coordination chemistry of the metalloligand $[Pt_2(\mu-S)_2(PPh_3)_4]$ with nickel(II) complexes " an electrospray mass spectrometry directed synthetic study. <i>Inorganica Chimica Acta</i> , 2004, 357, 1152-1160.	2.4	13
226	Isolation of cationic digold-frame with free carboxylic acid pendants. <i>Dalton Transactions</i> , 2009, , 5009.	3.3	13
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228	Using electrospray ionisation mass spectrometry as a synthesis-targeting technique " An update on the chemistry of the platinum chalcogenide dimers $[Pt_2(\mu^2-E)_2(PPh_3)_4]$ (E=S, Se). <i>Inorganica Chimica Acta</i> , 2014, 411, 199-211.	2.4	13
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230	New solid-state Eu(III)-containing metallo-supramolecular polymers: morphology control and optical wave-guiding properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8992-9002.	5.5	13
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