Anthony F Masters

List of Publications by Year
in descending order

159 papers	4,553 citations	101384 36 h-index	138251 58 g-index
175 all docs	175 docs citations	175 times ranked	6088 citing authors

#	Article	IF	Citations
1	The Decamethylferrocenium/Decamethylferrocene Redox Couple:Â A Superior Redox Standard to the Ferrocenium/Ferrocene Redox Couple for Studying Solvent Effects on the Thermodynamics of Electron Transfer. Journal of Physical Chemistry B, 1999, 103, 6713-6722.	1.2	571
2	4-Nitrophenol Reduction: Probing the Putative Mechanism of the Model Reaction. ACS Catalysis, 2020, 10, 5516-5521.	5.5	178
3	Hydrogenated Defects in Graphitic Carbon Nitride Nanosheets for Improved Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2015, 119, 14938-14946.	1.5	148
4	Zeolites â€“ From curiosity to cornerstone. Microporous and Mesoporous Materials, 2011, 142, 423-438.	2.2	113
5	The interplay of catechol ligands with nanoparticulate iron oxides. Dalton Transactions, 2012, 41, 2545.	1.6	99
6	Designing a Solid Catalyst for the Selective Low-Temperature Oxidation of Cyclohexane to Cyclohexanone. Angewandte Chemie International Edition in English, 1997, 36, 1639-1642.	4.4	98
7	Structural features of ionic liquids: consequences for material preparation and organic reactivity. Green Chemistry, 2013, 15, 2655.	4.6	88
8	Facile synthesis of ionic liquids possessing chiral carboxylates. Tetrahedron Letters, 2006, 47, 7367-7370.	0.7	73
9	Accessing Decaphenylmetallocenes of Ytterbium, Calcium, and Barium by Desolvation of Solvent-Separated Ion Pairs: Overcoming Adverse Solubility Properties. Organometallics, 2008, 27, 4772-4778.	1.1	72
10	A comparison of photocatalytic reforming reactions of methanol and triethanolamine with Pd supported on titania and graphitic carbon nitride. Applied Catalysis B: Environmental, 2019, 240, 373-379.	10.8	71
11	Ionicâ€Liquidâ€Mediated Activeâ€Site Control of MoS₂ for the Electrocatalytic Hydrogen Evolution Reaction. Chemistry - A European Journal, 2012, 18, 8230-8239.	1.7	66
12	Redox properties of thiolate compounds of oxomolybdenum(V) and their tungsten and selenium analogs. Journal of the American Chemical Society, 1981, 103, 1959-1964.	6.6	63
13	From macroalgae to liquid fuel via waste-water remediation, hydrothermal upgrading, carbon dioxide hydrogenation and hydrotreating. Energy and Environmental Science, 2016, 9, 1828-1840.	15.6	59
14	The chemistry of cobalt acetateâ€”IV. The isolation and crystal structure of the symmetric cubane, tetrakis[(Î¼-acetato)(Î¼3-oxo) (pyridine)cobalt(III)] Â· chloroform solvate, [Co4(Î¼3-O)4(Î¼-CH3CO2)4(C5H5N)in4]		

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19	The Formation of Highâ€Order Polybromides in a Roomâ€Temperature Ionic Liquid: From Monoanions ([Br₅]^{â^'} to [Br₁₁]^{â^'}) to the Isolation of [PC₁₆H₃₆]₂[Br₂₄] as Determined by van der Waals Bonding Radii. Chemistry - A European Journal, 2015, 21, 2961-2965.	1.7	49
20	The influence of novel bromine sequestration agents on zinc/bromine flow battery performance. RSC Advances, 2016, 6, 110548-110556.	1.7	47
21	Penta-arylcyclopentadienyl complexes. Coordination Chemistry Reviews, 2011, 255, 1733-1790.	9.5	46
22	The influence of ionic liquid additives on zinc half-cell electrochemical performance in zinc/bromine flow batteries. RSC Advances, 2016, 6, 27788-27797.	1.7	45
23	A comparative assessment of the activity and structure of phlorotannins from the brown seaweed Carpophyllum flexuosum. Algal Research, 2018, 29, 130-141.	2.4	45
24	The synthesis and characterization of norbornylsilasesquioxanes. Applied Organometallic Chemistry, 1992, 6, 253-260.	1.7	44
25	Metallasilsesquioxanes: Molecular Analogues of Heterogeneous Catalysts. Advances in Silicon Science, 2011, , 135-166.	0.6	44
26	Reactions of p-coumaryl alcohol model compounds with dimethyl carbonate. Towards the upgrading of lignin building blocks. Green Chemistry, 2013, 15, 3195.	4.6	44
27	Applications of molybdenum-95 NMR. 8. Molybdenum(0) carbonyl derivatives of phosphines, phosphites and related ligands. Inorganic Chemistry, 1983, 22, 908-911.	1.9	43
28	Revealing the Distribution of the Atoms within Individual Bimetallic Catalyst Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 11190-11193.	7.2	42
29	Polymeric carbon nitride for solar hydrogen production. Chemical Communications, 2017, 53, 7438-7446.	2.2	42
30	Factors influencing the formation of polybromide monoanions in solutions of ionic liquid bromide salts. Physical Chemistry Chemical Physics, 2016, 18, 7251-7260.	1.3	41
31	3R-MoS₂ in Review: History, Status, and Outlook. ACS Applied Energy Materials, 2021, 4, 7405-7418.	2.5	39
32	Molybdenum-95 NMR of molybdenumî—¸sulfur and î—¸selenium species, structural charaterisation of the [(CN)CuS2MoS2]2â^' anion. Inorganica Chimica Acta, 1981, 54, L131-L132.	1.2	37
33	Osmium silsesquioxane as model compound and homogeneous catalyst for the dihydroxylation of alkenes. Journal of Molecular Catalysis A, 2004, 220, 37-42.	4.8	37
34	1,3-Disubstituted imidazolium hydroxides: Dry salts or wet carbenes?. Catalysis Today, 2013, 200, 9-16.	2.2	37
35	Enhanced Photocatalytic Hydrogen Evolution with TiO₂â€“TiN Nanoparticle Composites. Journal of Physical Chemistry C, 2019, 123, 3740-3749.	1.5	37
36	Critical review: hydrothermal synthesis of 1T-MoS₂ â€“ an important route to a promising material. Journal of Materials Chemistry A, 2021, 9, 9451-9461.	5.2	37

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37	Applications of molybdenum-95 nuclear magnetic resonance spectroscopy. 3. Arenemolybdenum tricarbonyl derivatives. Inorganic Chemistry, 1981, 20, 4183-4186.	1.9	36
38	The chemistry of cobalt acetate: The isolation and crystal structure of the symmetric trimer,hexakis(Î¼-acetato)-Î¼3-oxo-tris(pyridine)tricobalt(III) perchlorate water solvate, [Co3O(CH3CO2)6(C5H5N)3][CiO4]Â·H2O. Polyhedron, 1996, 15, 2141-2150.	1.0	36
39	Dinuclear alkynyllanthanoid(ii) dications with pentaphenylcyclopentadienyl or tri-tert-butyldiphosphacyclopentadienyl counter ions. Chemical Communications, 2006, , 1003.	2.2	36
40	Promoting the Formation of Active Sites with Ionic Liquids: A Case Study of MoS₂ as Hydrogenâ€Evolutionâ€Reaction Electrocatalyst. ChemCatChem, 2011, 3, 1739-1742.	1.8	36
41	Pseudoâ€Encapsulationâ€"Nanodomains for Enhanced Reactivity in Ionic Liquids. Angewandte Chemie - International Edition, 2012, 51, 11483-11486.	7.2	36
42	X-ray Absorption Spectroscopic Studies of Chromium(V/IV/III)â^' 2-Ethyl-2-hydroxybutanoato(2â^'/1â^') Complexes. Inorganic Chemistry, 2004, 43, 1046-1055.	1.9	35
43	Controlling Hydrolysis Reaction Rates with Binary Ionic Liquid Mixtures by Tuning Hydrogen-Bonding Interactions. Journal of Physical Chemistry B, 2012, 116, 1858-1864.	1.2	34
44	The chemistry of cobalt acetateâ€"III. The isolation and crystal structure characterisation of the mixed valence octacobalt oligomer, [Co8(O)4(CH3CO2)6(OMe)4]Cl4(OHn)4 Â· 6H2O (n = 1 or 2), derived from the preparation of cobalt(III) acetate. Polyhedron, 1997, 16, 2109-2112.	1.0	33
45	Toward an Understanding of the Forces Behind Extractive Desulfurization of Fuels with Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 4087-4093.	3.2	33
46	Nickel carbonyl cluster complexes. Polyhedron, 1995, 14, 829-868.	1.0	32
47	The Biorefineryâ€"Challenges, Opportunities, and an Australian Perspective. Bulletin of Science, Technology and Society, 2008, 28, 149-158.	1.1	32
48	The oligomerisation of ethene with catalysts exhibiting enzyme-like activities. Journal of Organometallic Chemistry, 1989, 367, 371-374.	0.8	31
49	Oligomerization and isomerization of olefins by catalysts derived from nickel complexes of dithio-Î²-diketonates. Journal of the Chemical Society Dalton Transactions, 1993, , 59-68.	1.1	31
50	Title is missing!. Catalysis Letters, 2001, 75, 159-162.	1.4	31
51	Extractive Denitrogenation of Fuel Oils with Ionic Liquids: A Systematic Study. Energy & Fuels, 2017, 31, 2183-2189.	2.5	31
52	Bromozincate ionic liquids in the Knoevenagel condensation reaction. Applied Catalysis B: Environmental, 2018, 223, 228-233.	10.8	31
53	Polyhedron report number 51 Structural systematics in nickel carbonyl cluster anions. Polyhedron, 1995, 14, 339-365.	1.0	29
54	Renewable Aromatics from Kraft Lignin with Molybdenumâ€Based Catalysts. ChemCatChem, 2017, 9, 2717-2726.	1.8	29

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55	Shining Light on Carbon Nitrides: Leveraging Temperature To Understand Optical Gap Variations. Chemistry of Materials, 2018, 30, 4253-4262.	3.2	28
56	Electrochemistry of chlorinated ferrocenes: stability of chlorinated ferrocenium ions. Journal of the Chemical Society Dalton Transactions, 1993, , 835.	1.1	27
57	Dynamic Nuclear Polarization NMR Spectroscopy of Polymeric Carbon Nitride Photocatalysts: Insights into Structural Defects and Reactivity. Angewandte Chemie, 2018, 130, 6964-6968.	1.6	27
58	Steric, hydrogen-bonding and structural heterogeneity effects on the nucleophilic substitution of N-(p-fluorophenyldiphenylmethyl)-4-picolinium chloride in ionic liquids. Organic and Biomolecular Chemistry, 2013, 11, 2534.	1.5	26
59	Unravelling Some of the Key Transformations in the Hydrothermal Liquefaction of Lignin. ChemSusChem, 2017, 10, 2140-2144.	3.6	26
60	Step by step extraction of bio-actives from the brown seaweeds, Carpophyllum flexuosum, Carpophyllum plumosum, Ecklonia radiata and Undaria pinnatifida. Algal Research, 2020, 52, 102092.	2.4	26
61	The chemistry of cobalt acetate. VIII. New members of the family of oxo-centred trimers, [Co3(Î¼3-O)(Î¼-O2CCH3)5â^'(Î¼-OR) L5]2+ (R=H, alkyl, L=ligand, p=0â€“4). The preparation and characterisation of the trimeric tetrakis(Î¼-acetato)-(Î¼-hydroxo)-Î¼3-oxo-pentakis(pyridine)-tri-cobalt(III) hexafluorophosphate, [Co3(Î¼3-O)(Î¼-O2CCH3)4(Î¼-OH)(C5H5N)5][PF6]2, and the preparation and crystal structure of the trimeric tris(Î¼-acetato)-(Î¼-hydroxo)-(Î¼-methoxo)-Î¼3-oxo-pentakis(pyridine)-tri-cobalt(III) hexafluorophosphateÂ·metha. Polyhedron, 2003, 22, 947-965.	1.0	25
62	Exploring Opportunities for Platinum Nanoparticles Encapsulated in Porous Liquids as Hydrogenation Catalysts. Chemistry - A European Journal, 2020, 26, 7059-7064.	1.7	25
63	Hollow micro/nanomaterials as nanoreactors for photocatalysis. APL Materials, 2013, 1, .	2.2	24
64	Effective Removal of Toxic Heavy Metal Ions from Aqueous Solution by CaCO3 Microparticles. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	24
65	Novel bis(methylimidazolium)alkane bolaamphiphiles as templates for supermicroporous and mesoporous silicas. Microporous and Mesoporous Materials, 2012, 148, 62-72.	2.2	22
66	Organosilica Nanotube Templates: Oneâ€Pot Synthesis of Carbonâ€Modified Polymeric Carbon Nitride Nanorods for Photocatalysis. ChemCatChem, 2018, 10, 581-589.	1.8	22
67	(Î·5-Pentaphenylcyclopentadienyl){1-(Î·6-phenyl)-2,3,4,5-tetraphenylcyclopentadienyl} iron(II), [Fe(Î·5-C5Ph5){(Î·6-C6H5)C5Ph4}], a linkage isomer of decaphenylferrocene. Journal of the Chemical Society Chemical Communications, 1990, , 408-410.	2.0	21
68	Salt-enhanced photocatalytic hydrogen production from water with carbon nitride nanorod photocatalysts: cation and pH dependence. Journal of Materials Chemistry A, 2019, 7, 18987-18995.	5.2	21
69	The encapsulation of metal nanoparticles within porous liquids. Chemical Communications, 2019, 55, 11179-11182.	2.2	21
70	A Palladiumâ€Catalyzed Multicascade Reaction: Facile Lowâ€Temperature Hydrogenolysis of Activated Nitriles and Related Functional Groups. ChemCatChem, 2011, 3, 1496-1502.	1.8	20
71	Crystal and molecular structures of pentaphenylcyclopentadiene and of an isomer, 4,8-diphenyltribenzo[b,f,i]tricyclo[6.2.1.01,5]undecane, the product of a novel metal-assisted photoreaction. Inorganic Chemistry, 1992, 31, 2366-2370.	1.9	19
72	Process systems for the carbonate interchange reactions of DMC and alcohols: efficient synthesis of catechol carbonate. Catalysis Science and Technology, 2018, 8, 1971-1980.	2.1	19

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73	Electron spin resonance studies of the one-electron-reduction products of nickel(II) 1,3-dithio .beta.-diketonate complexes. Inorganic Chemistry, 1985, 24, 401-408.	1.9	18
74	Chemistry of Cobalt Acetate. 7. Electrochemical Oxidation of Î¼3-Oxo-Centered Cobalt(III) Acetate Trimers. Inorganic Chemistry, 2003, 42, 8366-8370.	1.9	18
75	Designing nanoscopic, fluxional bimetallic Ptâ€“Ru alloy hydrogenation catalysts for improved sulfur tolerance. Catalysis Today, 2011, 178, 164-171.	2.2	18
76	Robust bimetallic Ptâ€“Ru catalysts for the rapid hydrogenation of toluene and tetralin at ambient temperature and pressure. Applied Catalysis A: General, 2013, 454, 46-52.	2.2	18
77	Microwave-assisted methylation of dihydroxybenzene derivatives with dimethyl carbonate. RSC Advances, 2016, 6, 58443-58451.	1.7	18
78	Ligand donor atom and substituent effects in olefin oligomerization and isomerization catalysed by nickel-based catalyst systems. Polyhedron, 1992, 11, 1285-1293.	1.0	17
79	Coupled Redox Reactions, Linkage Isomerization, Hydride Formation, and Acidâ€“Base Relationships in the Decaphenylferrocene System. Organometallics, 1997, 16, 2787-2797.	1.1	17
80	The Kinetic Features of the Palladium-Catalyzed Hydrogenolysis of Nitriles and Amines. ChemCatChem, 2012, 4, 1179-1184.	1.8	17
81	Zinc bromide in aqueous solutions of ionic liquid bromide salts: the interplay between complexation and electrochemistry. RSC Advances, 2015, 5, 83674-83681.	1.7	17
82	Masked Nâ€Heterocyclic Carbeneâ€Catalyzed Alkylation of Phenols with Organic Carbonates. ChemSusChem, 2016, 9, 2312-2316.	3.6	17
83	Preparation and characterization of iron complexes of the penta-p-tolylcyclopentadienyl and o-tolyltetraphenylcyclopentadienyl ligands. Inorganic Chemistry, 1993, 32, 211-217.	1.9	16
84	X-ray Crystal Structure of (Î·5-Pentaphenylcyclopentadienyl){1-(Î·5/6-phenyl)-2,3,4,5-tetraphenylcyclopentadienyl}iron(II), [Fe(Î·5-C5Ph5){(Î·5/6-C6H5)C5Ph4}], a Linkage Isomer of Decaphenylferrocene. Inorganic Chemistry, 2002, 41, 4618-4620.	1.9	16
85	Ce-TUD-1:Â Synthesis, Characterization, and Testing of a Versatile Heterogeneous Oxidation Catalyst. Industrial & Engineering Chemistry Research, 2007, 46, 4221-4225.	1.8	16
86	Ionic liquid-templated preparation of mesoporous silica embedded with nanocrystalline sulfated zirconia. Nanoscale Research Letters, 2011, 6, 192.	3.1	16
87	Solar Hydrogen from an Aqueous, Nobleâ€Metalâ€Free Hybrid System in a Continuousâ€Flow Sampling Reaction System. Chemistry - A European Journal, 2014, 20, 7345-7350.	1.7	16
88	Molecular Cobalt Clusters as Precursors of Distinct Active Species in Electrochemical, Photochemical, and Photoelectrochemical Water Oxidation Reactions in Phosphate Electrolytes. Chemistry - A European Journal, 2015, 21, 16578-16584.	1.7	16
89	Hydrogen from Formic Acid via Its Selective Disproportionation over Nanodomain-Modified Zeolites. ACS Catalysis, 2015, 5, 4353-4362.	5.5	16
90	The use of acidic task-specific ionic liquids in the formation of high surface area mesoporous silica. New Journal of Chemistry, 2009, 33, 1997.	1.4	15

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91	The Catalytic Nature of Chevrel Phases (MxMo6S8) in Review. Materials Research Bulletin, 2021, 139, 111286.	2.7	15
92	The selective oligomerization of butenes by nickel-based catalysts. Polyhedron, 1988, 7, 2009-2014.	1.0	14
93	Scanning and energy dispersive EXAFS studies of ethyl transmetallation in an alkene oligomerisation catalyst. Chemical Communications, 1996, , 647.	2.2	14
94	Fullerene matrices in the MALDI-TOF mass spectroscopic characterisation of organometallic compounds. Journal of Organometallic Chemistry, 2014, 751, 482-492.	0.8	14
95	Partial Oxidation of 4-tert-Butyltoluene Catalyzed by Homogeneous Cobalt and Cerium Acetate Catalysts in the Brâˆ'/H2O2/Acetic Acid System: Insights into Selectivity and Mechanism. Chemistry - A European Journal, 2007, 13, 8037-8044.	1.7	13
96	Silsesquioxanes as molecular analogues of single-site heterogeneous catalysts. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 1968-1984.	1.0	13
97	Unprecedented blue-shift in bismuth oxide supported on mesoporous silica. New Journal of Chemistry, 2013, 37, 593-600.	1.4	13
98	Ionic liquids are compatible with on-water catalysis. Chemical Communications, 2013, 49, 8347.	2.2	12
99	A nano-engineered graphene/carbon nitride hybrid for photocatalytic hydrogen evolution. Journal of Energy Chemistry, 2016, 25, 225-227.	7.1	12
100	Optimised heterojunctions between [100]-oriented rutile TiO2 arrays and {001} faceted anatase nanodomains for enhanced photoelectrochemical activity. Sustainable Energy and Fuels, 2018, 2, 1463-1473.	2.5	12
101	Carbon monoxide poisoning as a probe for the active site(s) of a nickel-based olefin oligomerization catalyst. Applied Organometallic Chemistry, 1990, 4, 507-512.	1.7	11
102	The isolation and crystal structure of the powerful Lewis acid, planar tetrakispyridine cobalt(II), [Co(C5H5N)4]2+, as its mixed chloride hexafluorophosphate salt. Polyhedron, 1996, 15, 473-479.	1.0	11
103	Tuning the Photocatalytic Activity of CdS Nanocrystals through Intermolecular Interactions in Ionicâ€Liquid Solvent Systems. Chemistry - A European Journal, 2012, 18, 2923-2930.	1.7	11
104	Facile, high-yielding preparation of pyrrolidinium, piperidinium, morpholinium and 2,3-dihydro-1H-isoindolinium salts and ionic liquids from secondary amines. RSC Advances, 2014, 4, 23327-23337.	1.7	11
105	Hydrogen from Formic Acid through Its Selective Disproportionation over Sodium Germanateâ€"A Nonâ€Transitionâ€Metal Catalysis System. Angewandte Chemie - International Edition, 2014, 53, 11275-11279.	7.2	11
106	A New Approach to Understand the Adsorption of Thiophene on Different Surfaces: An Atom Probe Investigation of Self-Assembled Monolayers. Langmuir, 2017, 33, 9573-9581.	1.6	11
107	Single-Step Methylation of Chitosan Using Dimethyl Carbonate as a Green Methylating Agent. Molecules, 2019, 24, 3986.	1.7	11
108	Nanoparticles for Undergraduates: Creation, Characterization, and Catalysis. Journal of Chemical Education, 2020, 97, 4166-4172.	1.1	11

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109	Hydrothermal Liquefaction of Î±â€Oâ€4 Aryl Ether Linkages in Lignin. ChemSusChem, 2020, 13, 2002-2006.	3.6	11
110	The one-pot synthesis, characterisation and catalytic behaviour of mesoporous silica-sulfated zirconia solids. Catalysis Today, 2011, 178, 187-196.	2.2	10
111	An ITQâ€2/TUDâ€1 Microâ€/Mesoporous Composite: Inâ€…Situ Delamination as a Tool for the Preparation of Innovative Materials. ChemCatChem, 2011, 3, 1759-1762.	1.8	10
112	Chevrel Phase Nanoparticles as Electrocatalysts for Hydrogen Evolution. ACS Applied Nano Materials, 2021, 4, 2030-2036.	2.4	10
113	The Structures of the Decaphenylmetallocenium Cations of Chromium and Cobalt. Australian Journal of Chemistry, 1997, 50, 1035.	0.5	10
114	Beyond the Halogen Bond: Examining the Limits of Extended Polybromide Networks through Quantumâ€Chemical Investigations. Chemistry - an Asian Journal, 2016, 11, 682-686.	1.7	9
115	Fused Supracyclopentadienyl Ligand Precursors. Synthesis, Structure, and Some Reactions of 1,3-Diphenylcyclopenta[l]phenanthrene-2-one, 1,2,3-Triphenylcyclopenta[l]phenanthrene-2-ol, 1-Chloro-1,2,3-triphenylcyclopenta[l]phenanthrene, 1-Bromo-1,2,3-triphenylcyclopenta[l]phenanthrene, and 1,2,3-Triphenyl-1H-cyclopenta[l]phenanthrene. Australian Journal of Chemistry, 2006, 59, 135.	0.5	8
116	Delaminated MoS 2 as a structural and functional modifier for MgH 2 â€“ Better hydrogen desorption kinetics through induced worm-like morphologies. International Journal of Hydrogen Energy, 2016, 41, 3551-3560.	3.8	8
117	Cluster alkyls of rhenium. Journal of the Chemical Society Chemical Communications, 1976, , 858.	2.0	7
118	The oligomerization of lower olefins by catalysts derived from Ni(sacsac)(PBu3)Cl. Polyhedron, 1990, 9, 2809-2814.	1.0	7
119	Synthesis and characterisation of pentaphenylcyclo-pentadienyliron arene sandwich complex cations [Fe(Î·5-C5Ph5)(arene)]+and the X-ray crystal structure of the [Fe(Î·5-C5Ph5)(Î·6-C6H5Me)]+cation. Journal of the Chemical Society Dalton Transactions, 1991, , 1499-1505.	1.1	7
120	Interconversions of nickel carbonyl cluster anions. Inorganica Chimica Acta, 1993, 213, 49-55.	1.2	7
121	Synthesis and non-linear optical properties of (Î·5-pentaphenylcyclopentadienyl)dicarbonylruthenium(II) Ïƒ-alkenyl complexes. Inorganica Chimica Acta, 2005, 358, 1663-1672.	1.2	7
122	Manganese complexes of the pentaphenylcyclopentadienyl ligand. Polyhedron, 2006, 25, 1498-1506.	1.0	7
123	The Role of the Reactor Wall in Hydrothermal Biomass Conversions. Chemistry - an Asian Journal, 2012, 7, 2638-2643.	1.7	7
124	Electrochemical investigation of [Co4(Î¼3-O)4(Î¼-OAc)4(py)4] and peroxides by cyclic voltammetry. Chemical Communications, 2016, 52, 14412-14415.	2.2	7
125	Investigating homogeneous Co/Br^{â^'}/H₂O₂ catalysed oxidation of lignin model compounds in acetic acid. Catalysis Science and Technology, 2019, 9, 384-397.	2.1	7
126	Detailed gas chromatography/mass spectrometric structural determination of olefin oligomerization products. Industrial & Engineering Chemistry Research, 1987, 26, 1822-1824.	1.8	6

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127	Alkane activation by homogeneous palladium complexes. Applied Organometallic Chemistry, 1991, 5, 521-523.	1.7	6
128	Probing structure-functionality relationships of catalytic bimetallic Ptâ€“Ru nanoparticles associated with improved sulfur resistance. RSC Advances, 2014, 4, 28062.	1.7	6
129	Oxidation of adamantane by palladium acetate systems. Inorganica Chimica Acta, 1999, 294, 99-102.	1.2	5
130	Bis(2,2â€²,2â€²â€²-nitrilotriethanol)cobalt(II) bis(acetate). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2429-m2431.	0.2	5
131	Tetraammonium diaquadiperoxidooctamolybdate(VI) tetrahydrate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, i53-i54.	0.2	5
132	Application of Bismuthâ€Impregnated Mesoporous Silica to the Photochemical Oxidation of Methylene Blue: An Example of Nanoparticle Autocatalysis. ChemCatChem, 2013, 5, 959-965.	1.8	5
133	Controlling viscosity in methyl oleate derivatives through functional group design. New Journal of Chemistry, 2014, 38, 5777-5785.	1.4	5
134	Strained surface siloxanes as a source of synthetically important radicals. RSC Advances, 2015, 5, 100618-100624.	1.7	5
135	The Autocatalytic Isomerization of Allylbenzene by Nickel(0) Tetrakis(triethylphosphite). European Journal of Inorganic Chemistry, 2018, 2018, 3384-3387.	1.0	5
136	Developments in Silica-Supported Organometallic Catalysis. , 1997, , 461-494.		5
137	Immobilisation of Homogeneous Pd Catalysts within a Type I Porous Liquid. Australian Journal of Chemistry, 2020, 73, 1296.	0.5	5
138	Kinetic and rapid scan spectrophotometric studies of the oligomerization of ethene and propene using the catalytic system [Ni(sacsac)P(n-butyl)3CCl]/AlEt2CCl. Polyhedron, 1995, 14, 547-553.	1.0	4
139	The synthesis and X-ray structural characterisation of the decaphenylmolybdenocenium cation as its tetrafluoroborate salt. Polyhedron, 2002, 21, 1707-1714.	1.0	4
140	Exploring the Myth of Nascent Hydrogen and its Implications for Biomass Conversions. Chemistry - an Asian Journal, 2012, 7, 2629-2637.	1.7	4
141	Metal/bromide autoxidation of triglycerides for the preparation of FAMES to improve the cold-flow characteristics of biodiesel. Catalysis Today, 2014, 233, 162-168.	2.2	4
142	Structural Investigation of Cobalt Oxide Clusters Derived from Molecular Cobalt Cubane, Trimer, and Dimer Oligomers in a Phosphate Electrolyte. Journal of Physical Chemistry C, 2017, 121, 11021-11026.	1.5	4
143	The Influence of Pyridinium-Based Additives on Zinc Electrodeposition in Aqueous Solution. Journal of the Electrochemical Society, 2019, 166, D192-D198.	1.3	4
144	Interactions of Plasmonic Silver Nanoparticles with High Energy Sites on Multiâ€Faceted Rutile TiO₂ Photoanodes. ChemCatChem, 2020, 12, 469-477.	1.8	4

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146	The chemistry of cobalt acetate. X. The preparations of the mixed ligand cobalt oligomers, [Co3O(C6H5N2O)3(CH3CO2)3][PF6].CH3CN (I), [Co4(Î¼2-OH)2(Î·1:Î·1:Î¼2-CH3COO)2(CH3CO2)2(Î·1:Î·1:Î¼2-C11H8NO)2(Î·1:Î·1:Î·1:Î·1:Î¼2-C11H8N3O)2][PF6]2.CH3OH.3H2O (II) and [Co3O(CH3CO2)5(C7H6NO2)(py)3][PF6] (III) and the crystal structures of (I) and (II). Comparisons with homoleptic cobalt acetate dimers and trimers. Polyhedron, 2013, 52, 909-916.	2.0	3
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