

# John Evans

## List of Publications by Year in descending order

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160  
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3,796  
citations

117625

34  
h-index

189892

50  
g-index

173  
all docs

173  
docs citations

173  
times ranked

3021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supported Metallocene Catalysts by Surface Organometallic Chemistry. Synthesis, Characterization, and Reactivity in Ethylene Polymerization of Oxide-Supported Mono- and Biscyclopentadienyl Zirconium Alkyl Complexes: A Establishment of Structure/Reactivity Relationships. Journal of the American Chemical Society, 2001, 123, 3520-3540.	13.7	180
2	Identification of CO Adsorption Sites in Supported Pt Catalysts Using High-Energy-Resolution Fluorescence Detection X-ray Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 16162-16164.	2.6	163
3	Preparation, Characterization, and Performance of Tripodal Polyphosphine Rhodium Catalysts Immobilized on Silica via Hydrogen Bonding. Journal of the American Chemical Society, 1999, 121, 5961-5971.	13.7	137
4	Bringing time resolution to EXAFS: recent developments and application to chemical systems. Chemical Society Reviews, 2002, 31, 83-95.	38.1	110
5	Synchronous, time resolved, diffuse reflectance FT-IR, energy dispersive EXAFS (EDE) and mass spectrometric investigation of the behaviour of Rh catalysts during NO reduction by CO. Chemical Communications, 2004, , 2382.	4.1	88
6	Combining diffuse reflectance infrared spectroscopy (DRIFTS), dispersive EXAFS, and mass spectrometry with high time resolution: Potential, limitations, and application to the study of NO interaction with supported Rh catalysts. Catalysis Today, 2007, 126, 64-72.	4.4	72
7	The mechanism of $\beta$ -hydride elimination from transition metal alkyls (d <sup>8</sup> ): Kinetic deuterium isotope effect. Journal of Organometallic Chemistry, 1974, 81, C37-C39.	1.8	68
8	Structural characterisation of solution species implicated in the palladium-catalysed Heck reaction by Pd K-edge X-ray absorption spectroscopy: palladium acetate as a catalyst precursor. Dalton Transactions RSC, 2002, , 2207-2212.	2.3	67
9	EXAFS and near-edge structure in the cobalt K-edge absorption spectra of metal carbonyl complexes. Journal of the American Chemical Society, 1987, 109, 3669-3676.	13.7	64
10	Rapid Monitoring of the Nature and Interconversion of Supported Catalyst Phases and of Their Influence upon Performance: CO Oxidation to CO <sub>2</sub> by $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Supported Rh Catalysts. Chemistry - A European Journal, 2006, 12, 1975-1985.	3.3	63
11	Cr K-Edge XANES Spectroscopy: Ligand and Oxidation State Dependence " What is Oxidation State?. AIP Conference Proceedings, 2007, , .	0.4	62
12	The chemistry of rhodium on TiO <sub>2</sub> (110) deposited by MOCVD of [Rh(CO)2Cl] <sub>2</sub> and MVD. Surface Science, 1994, 301, 61-82.	1.9	56
13	Rhodium Dispersion during NO/CO Conversions. Angewandte Chemie - International Edition, 2007, 46, 5356-5358.	13.8	52
14	Structure and dynamical properties of Rh <sub>4</sub> (CO) <sub>12</sub> in solution: <sup>13</sup> C nuclear magnetic resonance study. Journal of the Chemical Society Chemical Communications, 1973, , 807.	2.0	48
15	Energy Dispersive XAFS: Characterization of Electronically Excited States of Copper(I) Complexes. Journal of Physical Chemistry B, 2013, 117, 7381-7387.	2.6	48
16	Chemical shifts of carbon atoms bound to transition metals. Inorganic Chemistry, 1974, 13, 3042-3043.	4.0	47
17	Spectroscopic studies on C <sub>2</sub> hydrocarbon fragments. Part 2. Vibrational group frequencies and carbon-13 nuclear magnetic resonance chemical shifts of cluster-bound C <sub>2</sub> H <sub>n</sub> (n= 1-4) fragments. Journal of the Chemical Society Dalton Transactions, 1984, , 79-85.	1.1	46
18	Structural studies of polyoxometalate-anion-pillared layered double hydroxides. Journal of the Chemical Society Dalton Transactions, 1996, , 2963.	1.1	44

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19	Comparative Experimental and EXAFS Studies in the Mizoroki-Heck Reaction with Heteroatom-Functionalised N-Heterocyclic Carbene Palladium Catalysts. <i>Chemistry - A European Journal</i> , 2007, 13, 3652-3659.	3.3	43
20	Spectroscopic studies on C2 hydrocarbon fragments. Part 1. Vibrational studies of cluster-bound vinyl and vinylidene ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1983, , 639.	1.1	41
21	A Joint Structural Characterization of Colloidal Platinum by EXAFS and High-Resolution Electron Microscopy. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 590-593.	4.4	41
22	Rapid Phase Fluxionality as the Determining Factor in Activity and Selectivity of Highly Dispersed, Rh/Al <sub>2</sub> O <sub>3</sub> in deNO <sub>x</sub> Catalysis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2587-2589.	13.8	41
23	EXAFS studies of the formation of chromia pillared clay catalysts. <i>Inorganic Chemistry</i> , 1991, 30, 1-2.	4.0	40
24	Adsorbate induced phase changes of rhodium on TiO <sub>2</sub> (110). <i>Surface Science</i> , 1992, 279, L159-L164.	1.9	40
25	In situ energy dispersive EXAFS (EDE) of low loaded Pt(acac) <sub>2</sub> /HI SiO <sub>2</sub> catalyst precursors on a timescale of seconds and below. <i>Chemical Communications</i> , 1999, , 851-852.	4.1	38
26	Oxidation/reduction kinetics of supported Rh/Rh <sub>2</sub> O <sub>3</sub> nanoparticles in plug flow conditions using dispersive EXAFS. <i>Chemical Communications</i> , 2005, , 118.	4.1	37
27	Carbon-13 nuclear magnetic resonance spectra of polynuclear carbonyls of cobalt and rhodium. <i>Journal of the Chemical Society Dalton Transactions</i> , 1978, , 626.	1.1	36
28	Characterization of supported rhodium and ruthenium carbonyl clusters by EXAFS spectroscopy. <i>Organometallics</i> , 1989, 8, 613-620.	2.3	36
29	Simultaneous Determination of Structural and Kinetic Parameters Characterizing the Interconversion of Highly Dispersed Species: the Interaction of NO with Rh <sub>3</sub> (CO) <sub>9</sub> -Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2001, 105, 5965-5970.	2.5	36
30	Mechanism of reductive elimination. I. Dinuclear elimination of hydrogen from cis-dihydridotetracarbonylrhodium. <i>Journal of the American Chemical Society</i> , 1974, 96, 7577-7578.	13.7	35
31	Tetracobalt carbonyls in solution. <i>Journal of the American Chemical Society</i> , 1975, 97, 1245-1247.	13.7	35
32	Spectroscopic studies on adsorbed metal carbonyls. Part 2. Interaction of [Ru <sub>3</sub> (CO) <sub>12</sub> ] with silica, titania, and alumina. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 1123.	1.1	35
33	Fluxional behaviour of H <sub>2</sub> M <sub>3</sub> (CO) <sub>9</sub> (M = Ru, Os). <i>Journal of Organometallic Chemistry</i> , 1975, 97, C16-C18.	1.8	34
34	New mode of $\eta^6$ -benzene co-ordination. Crystal and molecular structure of Os <sub>3</sub> (CO) <sub>9</sub> (PEt)(C <sub>6</sub> H <sub>4</sub> ). <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 1021-1023.	2.0	34
35	L-edge studies on molybdenum. <i>The Journal of Physical Chemistry</i> , 1991, 95, 9673-9676.	2.9	34
36	Rhodium geminal dicarbonyl on TiO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , 1992, 114, 6912-6913.	13.7	33

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37	The preparation and crystal structure of Fe <sub>3</sub> (CO) <sub>9</sub> (1/43-PPh) <sub>2</sub> . Journal of Organometallic Chemistry, 1982, 236, 367-374.	1.8	32
38	Insights in the mechanism of selective olefin oligomerisation catalysis using stopped-flow freeze-quench techniques: A Mo K-edge QEXAFS study. Journal of Catalysis, 2011, 284, 247-258.	6.2	32
39	A comparison of the chemistry of RhI(acac)(CO) <sub>2</sub> and RhI(CO) <sub>2</sub> Cl adsorbed on TiO <sub>2</sub> [110]: development of particulate Rh and oxidative disruption by CO. Surface Science, 2000, 462, 169-180.	1.9	31
40	Probing the effects of ligand structure on activity and selectivity of Cr(III) complexes for ethylene oligomerisation and polymerisation. Dalton Transactions, 2008, , 1177.	3.3	31
41	Synthesis of di- and trinuclear methyl osmium complexes via cis-hydridomethyltetracarbonylosmium. Journal of the American Chemical Society, 1976, 98, 4000-4001.	13.7	30
42	Studies on Chromium(III) and Vanadium(III) Complexes with Crown Ether and Crown Thioether Coordination – Synthesis, Properties and Structural Systematics. European Journal of Inorganic Chemistry, 2006, 2006, 4399-4406.	2.0	30
43	Anchoring of osmium clusters to silica. Journal of the Chemical Society Chemical Communications, 1978, , 1063.	2.0	29
44	Amperometric sensor for carbon dioxide: design, characteristics, and performance. Analytical Chemistry, 1989, 61, 577-580.	6.5	29
45	Anchoring of cobalt, ruthenium, and osmium carbonyls to oxides by pendant thiol and phosphine ligands. Journal of the Chemical Society Dalton Transactions, 1982, , 1123.	1.1	27
46	Activation of a ruthenium cluster by a gold centre. Journal of the Chemical Society Chemical Communications, 1985, , 39.	2.0	27
47	<i>In Situ</i> EXAFS Characterization of Nanoparticulate Catalysts. MRS Bulletin, 2007, 32, 1038-1043.	3.5	27
48	Identification of the surface species responsible for N <sub>2</sub> O formation from the chemisorption of NO on Rh/alumina. Physical Chemistry Chemical Physics, 2007, 9, 246-249.	2.8	27
49	Energy Dispersive Extended X-ray Absorption Fine Structure, Mass Spectrometric, and Diffuse Reflectance Infrared Studies of the Interaction of Al <sub>2</sub> O <sub>3</sub> -Supported RhI(CO) <sub>2</sub> Cl Species with NO and Re-formation under CO. Journal of Physical Chemistry B, 2002, 106, 4214-4222.	2.6	26
50	Structure-performance relationships of Rh and RhPd alloy supported catalysts using combined EDE/DRIFTS/MS. Faraday Discussions, 2008, 138, 287-300.	3.2	26
51	Molecular Rearrangements in Polynuclear Transition Metal Complexes. Advances in Organometallic Chemistry, 1977, 16, 319-347.	1.0	25
52	Structural Characterization of Alumina-Supported Rh Catalysts: Effects of Ceriation and Zirconiation by using Metal-Organic Precursors. ChemPhysChem, 2013, 14, 3606-3617.	2.1	25
53	Activation of [CrCl <sub>3</sub> {R-SN(H)S-R}] Catalysts for Selective Trimerization of Ethene: A Freeze-Quench Cr K-Edge XAFS Study. ACS Catalysis, 2014, 4, 4201-4204.	11.2	25
54	Spectroscopic studies on adsorbed metal carbonyls. Part 3. Interaction of [Os <sub>3</sub> (CO) <sub>12</sub> ] with silica, alumina, and titania. Journal of the Chemical Society Dalton Transactions, 1986, , 7.	1.1	24

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55	Extended X-ray absorption fine structure (EXAFS) characterisation of dilute palladium homogeneous catalysts. Electronic supplementary information (ESI) available: electronic supplementary data (ESI) available: data includes reaction profile for and structural/statistical data from EXAFS analysis of Pd(OAc) <sub>2</sub> /PBut <sub>3</sub> catalysed Heck reaction. See <a href="http://www.rsc.org/suppdata/cc/b3/b307535d/">http://www.rsc.org/suppdata/cc/b3/b307535d/</a> . <i>Chemical Communications</i> , 2003, , 2602.	4.1	24
56	Olefin hydrogenation by anchored transition metal clusters. <i>Journal of Molecular Catalysis</i> , 1981, 11, 143-149.	1.2	23
57	Synthesis and spectroscopic studies of palladium and platinum complexes of methylene-backboned dithio-, diseleno- and ditelluro-ether ligands, RECH <sub>2</sub> ER (R = Me or Ph; E = S, Se or Te). <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 2835.	1.1	23
58	In situ, time resolved, and simultaneous multi-edge determination of local order change during reduction of supported bimetallic (Pt-Ge) catalyst precursors using energy dispersive EXAFS. <i>Chemical Communications</i> , 2001, , 445-446.	4.1	23
59	Application of stopped flow techniques and energy dispersive EXAFS for investigation of the reactions of transition metal complexes in solution: Activation of nickel <sup>II</sup> -diketonates to form homogeneous catalysts, electron transfer reactions involving iron(III) and oxidative addition to iridium(I). <i>Faraday Discussions</i> , 2003, 122, 211-222.	3.2	23
60	The Impact of Phase Changes, Alloying and Segregation in Supported RhPd Catalysts during Selective NO Reduction by H <sub>2</sub> . <i>ChemPhysChem</i> , 2004, 5, 1056-1058.	2.1	23
61	Chain length effects on the coordination mode of bidentate phosphines in Ru <sub>5</sub> C(CO) <sub>13</sub> [PPh <sub>2</sub> (CH <sub>2</sub> ) <sub>n</sub> PPh <sub>2</sub> ]: Coordination to non-adjacent metal atoms. <i>Journal of Organometallic Chemistry</i> , 1982, 240, C61-C64.	1.8	21
62	Iodine-127 nuclear magnetic resonance spectra of transition-metal periodate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 2307.	1.1	21
63	Characterisation of oxide-supported alkene conversion catalysts using X-ray absorption spectroscopy. <i>Faraday Discussions of the Chemical Society</i> , 1990, 89, 107.	2.2	21
64	High-quality energy-dispersive XAFS on the 10 <sup>-6</sup> s timescale applied to electrochemical and catalyst systems. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 381-383.	2.4	21
65	Bonding properties of trinuclear metal carbonyls. <i>Journal of the Chemical Society Dalton Transactions</i> , 1980, , 1005.	1.1	20
66	Adsorption and thermal decomposition of Mo(CO) <sub>6</sub> on TiO <sub>2</sub> (110). <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 4733.	1.7	20
67	Particle development and characterisation in Pt(acac) <sub>2</sub> and Pt(acac) <sub>2</sub> /GeBu <sub>4</sub> derived catalysts supported upon porous and mesoporous SiO <sub>2</sub> : effect of reductive environment, and support structure. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 827-834.	2.8	20
68	Synthesis and Properties of Complexes of Vanadium(V) Oxide Trichloride with Nitrogen- and Oxygen-Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4391-4398.	2.0	20
69	Characterisation of supported trinuclear osmium clusters by extended X-ray absorption fine structure (EXAFS) spectroscopy. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 1287.	2.0	19
70	Five-coordinate nickel(III) phosphines: spectroscopic and EXAFS studies. <i>Inorganic Chemistry</i> , 1991, 30, 331-334.	4.0	19
71	Synthesis and Properties of the Transition Metal Complexes of a Tertiary Stibine, 1,1,1-Tris((diphenylstibino)methyl)ethane. Structure of fac-[Mo(CO) <sub>3</sub> {MeC(CH <sub>2</sub> SbPh <sub>2</sub> ) <sub>3</sub> }. <i>Organometallics</i> , 1996, 15, 1280-1283.	2.3	19
72	Particle size effects in Rh/Al <sub>2</sub> O <sub>3</sub> catalysts as viewed from a structural, functional, and reactive perspective: the case of the reactive adsorption of NO. <i>Journal of Materials Science</i> , 2007, 42, 3288-3298.	3.7	19

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73	Activation of $[\text{CrCl}_3\{\text{PPh}_2\text{N}(\text{Pr})\text{PPh}_2\}]$ for the selective oligomerisation of ethene: a Cr K-edge XAFS study. <i>Catalysis Science and Technology</i> , 2016, 6, 6237-6246.	4.1	19
74	Spectroscopic studies on adsorbed metal carbonyls. Part 1. Interaction of $[\text{Rh}_4(\text{CO})_{12}]$ and $[\text{Rh}_6(\text{CO})_{16}]$ with alumina, silica, and titania. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 587.	1.1	18
75	On the chemisorption of $[\text{Ru}_3(\text{CO})_{12}]$ and $[\text{Os}_3(\text{CO})_{12}]$ on silica and alumina. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 395.	2.0	18
76	Sc(iii) complexes with neutral N <sub>3</sub> - and SNS-donor ligands – a spectroscopic study of the activation of ethene polymerisation catalysts. <i>Dalton Transactions</i> , 2013, 42, 2213-2223.	3.3	18
77	Dynamics and reactivity of $\mu(1\text{-}\eta^5,5,6\text{-}\eta^2\text{-cycloheptadienyl})$ - and $\mu(1\text{-}\eta^5,5,6\text{-}\eta^2\text{-cyclo-octadienyl})$ -bis $[\eta^5\text{-cyclopentadienyl}]\text{rhodium}(\text{Rh})$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1974, , 2368-2374.	1.1	17
78	Reactivity and catalytic activity of heteronuclear clusters. 1. Fluxional decapping of the heterometallic moiety in $\text{H}_3\text{Ru}_4(\text{CO})_{12}\text{MPR}_3$ (M = Au, Cu) and the crystal structure of $\text{H}_3\text{Ru}_4(\text{CO})_{12}\text{AuPPh}_3$ . <i>Organometallics</i> , 1987, 6, 794-798.	2.3	17
79	EXAFS infrared and kinetic studies on a ruthenium carbonyl hydroformylation system. <i>Journal of Organometallic Chemistry</i> , 1989, 372, 61-66.	1.8	17
80	Heterometallic clusters of ruthenium and the group 11 elements (copper, silver, and gold) containing a COMe ligand. X-ray structure of $\text{H}_2\text{Ru}_3(\text{CO})_8\text{PPh}_3(\mu_3\text{-COMe})(\text{CuPPh}_3)$ . <i>Organometallics</i> , 1989, 8, 1270-1275.	2.3	17
81	Photochemical C-Sb Bond Fission in a Palladium-Distibine Complex, Synthesis and Structure of $[\text{Pd}(\mu\text{-Ph}_2\text{SbCH}_2\text{SbPh}_2)_2\text{Cl}_2\text{Ph}_2]$ . <i>Organometallics</i> , 1995, 14, 1522-1524.	2.3	17
82	Applications of extended X-ray absorption fine structure spectroscopy to the study of polyoxometalates. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 2951.	1.1	17
83	Tilden lecture: shining light on metal catalysts. <i>Chemical Society Reviews</i> , 1997, 26, 11.	38.1	17
84	The reactions of $[\text{Ru}_6\text{C}(\text{CO})_{17}]$ with dissolved and anchored phosphines. Crystal and molecular structure of $[\text{Ru}_6\text{C}(\text{CO})_{16}(\text{PPh}_2\text{Et})]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1981, , 2263.	1.1	16
85	Reactions of $[\text{Os}_3\text{H}_2(\text{CO})_9(\text{PR}_3)]$ , $\text{PR}_3 = \text{PPh}_3$ , $\text{PPh}_2\text{Et}$ , or $\text{P}(\text{OMe})_3$ , with nucleophiles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1982, , 1049.	1.1	16
86	Strukturelle Charakterisierung von kolloidalem Platin durch hochauflösende Elektronenmikroskopie und EXAFS-Analyse. <i>Angewandte Chemie</i> , 1989, 101, 610-613.	2.0	16
87	Susceptibility of a heterogeneous catalyst, $\text{Rh}/\text{Al}_2\text{O}_3$ , to rapid structural change by exposure to NO. Electronic supplementary information (ESI) available: data showing monitoring positions in Fig. 2 and data showing reduction of the NO oxidised Rh adduct on alumina. See <a href="http://www.rsc.org/suppdata/cc/b1/b106846f/">http://www.rsc.org/suppdata/cc/b1/b106846f/</a> . <i>Chemical Communications</i> , 2002, , 304-305.	4.1	16
88	Effects of Precursor and Support Variation in the Genesis of Uranium Oxide Catalysts for CO Oxidation and Selective Reduction of NO: Synthesis and Characterization. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2885-2893.	2.6	16
89	EXAFS studies of the activation of homogeneous nickel catalysts for propene dimerisation by aluminium reagents. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1104.	2.0	15
90	The synthesis of palladium-gold and platinum-gold bimetallic complexes based upon bis(diphenylarsino)methane: Crystal structure of $\text{trans-}[\text{Pd}(\frac{1}{4}\text{-Ph}_2\text{AsCH}_2\text{AsPh}_2\text{AuCl})_2\text{Cl}_2] \cdot x\text{CH}_2\text{Cl}_2$ . <i>Polyhedron</i> , 1996, 15, 591-596.	2.2	15

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91	Extended X-ray absorption fine structure (EXAFS) characterisation of the hydroformylation of oct-1-ene by dilute Rh <sup>+</sup> Pt <sup>3</sup> catalysts in supercritical carbon dioxide. <i>Chemical Communications</i> , 2004, , 676-677.	4.1	15
92	Bond angle determination at metal coordination centres by E.X.A.F.S.. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 181.	2.0	14
93	Scanning and energy dispersive EXAFS studies of ethyl transmetalation in an alkene oligomerisation catalyst. <i>Chemical Communications</i> , 1996, , 647.	4.1	14
94	A comparative scanning tunnelling microscopy study of the adsorption of [Rh(CO)2Cl]2 on the (1 $\bar{1}$ -1) and (1 $\bar{1}$ -2) surfaces of TiO2[110]. <i>Surface Science</i> , 2001, 487, 223-230.	1.9	14
95	Detectors for energy-dispersive EXAFS (EDE) experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 551, 27-34.	1.6	14
96	Time-Resolved, In Situ DRIFTS/EDE/MS Studies on Alumina-Supported Rhodium Catalysts: Effects of Ceriation and Zirconiation on Rhodium-CO Interactions. <i>ChemPhysChem</i> , 2014, 15, 3049-3059.	2.1	14
97	Solid state 31P n.m.r. spectroscopy of surface-attached trisium clusters. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 938.	2.0	13
98	An EXAFS study of the structure of Fe3(CO)12 in solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 1330.	2.0	13
99	Sulfur K-edge X-ray absorption spectroscopy study of the reaction of zinc oxide with hydrogen sulfide. <i>Journal of Materials Chemistry</i> , 2002, 12, 3172-3177.	6.7	13
100	Structural investigation of the bridged activated complex in the reaction between hexachloroiridate(iv) and pentacyanocobaltate(ii). <i>Dalton Transactions</i> , 2005, , 3814.	3.3	13
101	Brilliant opportunities across the spectrum. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3045.	2.8	13
102	Generalised cluster anchoring to oxide supports. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 852.	2.0	12
103	Reaction of ethylene with [Ru3(CO)12] and the dynamic processes of [Ru3H2(CO)9(C2R2)](R = H, Me, and) <i>J Chem Soc Chem Commun</i> , 1991, 11, 1078-1081	1.1	12
104	Synthesis of pentanuclear clusters derived from [Ru3RhH2(CO)10(PPh3)( $\mu$ -COMe)]. Crystal structures of [Ru3Rh2H2(CO)12(PPh3)2] and [Ru3RhAuH(CO)10(PPh3)2-( $\mu$ -COMe)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 1017-1023.	1.1	12
105	In situ sulfur K-edge X-ray absorption spectroscopy of the reaction of zinc oxide with hydrogen sulfide. <i>Chemical Communications</i> , 1996, , 1431.	4.1	12
106	Room temperature formation of rhodium nanoparticles on TiO2[110] via MetalOrganic Chemical-Vapour Deposition (MOCVD) of [Rh(CO)2Cl]2. <i>Chemical Communications</i> , 2000, , 1677-1678.	4.1	12
107	Structure and dynamics of [Rh4(CO)9(SCH2SCH2SCH2)]: a fluxional butterfly. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1344.	2.0	11
108	Vibrational studies of the cluster carbonyls of ruthenium and osmium. Part 2. Single-crystal Raman and infrared data for [Ru3(CO)12] in the CO stretching region. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 155.	1.1	11

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109	Nickel-(II), -(III) and -(IV) complexes of 1,2-bis(dimethylarsino)tetrafluorobenzene and X-ray crystallographic and extended X-ray absorption fine structure studies of nickel-(III) and -(IV) bromo complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2039.	1.1	11
110	Liquid-phase Cu(acac) <sub>2</sub> /ZnEt <sub>2</sub> syngas conversion catalysts: investigations by copper and zinc K-edge EXAFS. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1027.	2.0	11
111	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 2699-2701.	2.0	11
112	Site exchange between the single bridging and terminal carbonyl groups in [(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Rh(CO) <sub>2</sub> P(OPh) <sub>3</sub> ]. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 576.	2.0	10
113	Protonation of $\eta^5$ -cyclo-octa-1,5-diene( $\eta^5$ -cyclopentadienyl)-cobalt(I), -rhodium(I), and -iridium(I). <i>Journal of the Chemical Society Dalton Transactions</i> , 1977, , 510-514.	1.1	10
114	Standardised tethering of Ru <sub>3</sub> and Ru <sub>6</sub> clusters to high surface area oxides. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 247-249.	2.0	10
115	Characterization of nickel(II)-nickel(IV) linear chain compounds by nickel and chlorine K-edge EXAFS. <i>Inorganic Chemistry</i> , 1988, 27, 4521-4523.	4.0	10
116	Towards a structure-activity relationship for oxide supported metals. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 351-357.	4.8	10
117	Skeletal characterisation of high nuclearity osmium carbonyl clusters by extended X-ray absorption fine structure (EXAFS) spectroscopy. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 777.	2.0	9
118	Cluster synthesis using a methoxymethylidyne template. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1029.	2.0	9
119	Study of the XANES modeling of molybdenum compounds. <i>Journal of the American Chemical Society</i> , 1991, 113, 3737-3742.	13.7	9
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