

Malcolm L H Green

List of Publications by Year in descending order

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docs citations

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times ranked

6425
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#	ARTICLE	IF	CITATIONS
1	A simple chemical method of opening and filling carbon nanotubes. <i>Nature</i> , 1994, 372, 159-162.	13.7	1,304
2	Partial oxidation of methane to synthesis gas using carbon dioxide. <i>Nature</i> , 1991, 352, 225-226.	13.7	746
3	Selective oxidation of methane to synthesis gas using transition metal catalysts. <i>Nature</i> , 1990, 344, 319-321.	13.7	603
4	Thinning and opening of carbon nanotubes by oxidation using carbon dioxide. <i>Nature</i> , 1993, 362, 520-522.	13.7	554
5	Carbon-Hydrogen-Transition Metal Bonds. <i>Progress in Inorganic Chemistry</i> , 0, , 1-124.	3.0	457
6	Synthesis and structure of (cis)-[1-ferrocenyl-2-(4-nitrophenyl)ethylene], an organotransition metal compound with a large second-order optical nonlinearity. <i>Nature</i> , 1987, 330, 360-362.	13.7	413
7	The occurrence and representation of three-centre two-electron bonds in covalent inorganic compounds. <i>Chemical Communications</i> , 2012, 48, 11481.	2.2	245
8	Integral atomic layer architectures of 1D crystals inserted into single walled carbon nanotubes. <i>Chemical Communications</i> , 2002, , 1319-1332.	2.2	208
9	Methane Oxyforming for Synthesis Gas Production. <i>Catalysis Reviews - Science and Engineering</i> , 2007, 49, 511-560.	5.7	200
10	Immobilization of Platinated and Iodinated Oligonucleotides on Carbon Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2198-2200.	4.4	118
11	Filling of Carbon Nanotubes with Silver, Gold, and Gold Chloride. <i>Chemistry of Materials</i> , 1996, 8, 2751-2754.	3.2	114
12	The influence of edge-plane defects and oxygen-containing surface groups on the voltammetry of acid-treated, annealed and "super-annealed" multiwalled carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1337-1348.	1.2	105
13	Effect of carburising agent on the structure of molybdenum carbides. <i>Journal of Materials Chemistry</i> , 2001, 11, 3094-3098.	6.7	96
14	Purification and opening of carbon nanotubes via bromination. <i>Advanced Materials</i> , 1996, 8, 1012-1015.	11.1	94
15	Cationic and neutral palladium(ii) methyl complexes of di-N-heterocyclic carbenes. <i>Dalton Transactions RSC</i> , 2002, , 1386.	2.3	93
16	Nickel(II) cis- and trans-Dimethyl Complexes of Di-N-heterocyclic Carbenes. <i>Organometallics</i> , 2001, 20, 2611-2615.	1.1	78
17	Silver(i) complex of a new imino-N-heterocyclic carbene and ligand transfer to palladium(ii) and rhodium(i). <i>Dalton Transactions</i> , 2003, , 2917-2922.	1.6	76
18	1D lanthanide halide crystals inserted into single-walled carbon nanotubes. <i>Chemical Communications</i> , 2000, , 2427-2428.	2.2	73

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19	Encapsulation of RexOy Clusters within Single-Walled Carbon Nanotubes and Their in tubulo Reduction and Sintering to Re Metal. Chemistry of Materials, 2005, 17, 6579-6582.	3.2	65
20	Synthesis and study of new binuclear compounds containing bridging $(\frac{1}{4}\text{-CN})\text{B}(\text{C}_6\text{F}_5)_3$ and $(\frac{1}{4}\text{-NC})\text{B}(\text{C}_6\text{F}_5)_3$ systems. Dalton Transactions, 2003, , 2550-2557.	1.6	63
21	Electron beam induced in situ clusterisation of 1D ZrCl4 chains within single-walled carbon nanotubes. Chemical Communications, 2001, , 845-846.	2.2	61
22	Study on the mechanism of partial oxidation of methane to synthesis gas over molybdenum carbide catalyst. Physical Chemistry Chemical Physics, 2002, 4, 4549-4554.	1.3	59
23	Fabrication of carbon-nanotube-reinforced glass-ceramic nanocomposites by ultrasonic in situ sol-gel processing. Journal of Materials Chemistry, 2008, 18, 5344.	6.7	59
24	Complete characterisation of a Sb2O3/(21,8)SWNT inclusion composite. Chemical Communications, 2001, , 929-930.	2.2	58
25	Electrochemical Opening of Single-Walled Carbon Nanotubes Filled with Metal Halides and with Closed Ends. Journal of Physical Chemistry C, 2008, 112, 10389-10397.	1.5	49
26	Synthesis and catalytic properties of oxalic amidinato complexes. Dalton Transactions RSC, 2001, , 1761-1767.	2.3	42
27	An electrochemical comparison of manganese dioxide microparticles versus $\frac{1}{2}$ and $\frac{1}{4}$ manganese dioxide nanorods: mechanistic and electrocatalytic behaviour. New Journal of Chemistry, 2008, 32, 1195.	1.4	41
28	Edge-carboxylated graphene nanoflakes from nitric acid oxidised arc-discharge material. Journal of Materials Chemistry, 2010, 20, 314-319.	6.7	41
29	Dimeric n-Alkyl Complexes of Rare-Earth Metals Supported by a Linked Amido-Cyclopentadienyl Ligand: Evidence for η^2 -Agostic Bonding in Bridging n-Alkyl Ligands and Its Role in Styrene Polymerization. Organometallics, 2003, 22, 65-76.	1.1	39
30	Weakly-coordinating anions stabilise the unprecedented monovalent and divalent η^1 -benzene nickel cations $[(\eta^1\text{-C}_5\text{H}_5)\text{Ni}(\eta^1\text{-C}_6\text{H}_6)\text{Ni}(\eta^1\text{-C}_5\text{H}_5)]_2^+$ and $[\text{Ni}(\eta^1\text{-C}_6\text{H}_6)_2]_2^+$. Chemical Communications, 2000, , 779-780.	2.2	38
31	Study on preparation of high surface area tungsten carbides and phase transition during the carburisation. Physical Chemistry Chemical Physics, 2002, 4, 3522-3529.	1.3	38
32	The classification and representation of main group element compounds that feature three-center four-electron interactions. Dalton Transactions, 2016, 45, 18784-18795.	1.6	37
33	Palladium(ii) complexes with the bidentate iminophosphine ligand $[\text{Ph}_2\text{PCH}_2\text{C}(\text{Ph})\text{N}(\text{C}_6\text{H}_3)(\text{Me})_2]$. Dalton Transactions RSC, 2001, , 3384-3395.	2.3	35
34	Synthesis, Structure, and Temperature-Dependent Dynamics of Neutral Palladium Allyl Complexes of Annulated Diaminocarbenes and Their Catalytic Application for C-C and C-N Bond Formation Reactions. Organometallics, 2010, 29, 4858-4870.	1.1	35
35	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. Physical Review B, 2006, 74, .	1.1	33
36	Green derivatization of carbon nanotubes with Nylon 6 and l-alanine. Journal of Materials Chemistry, 2006, 16, 4420-4426.	6.7	31

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37	Group 5ansa-Metallocenes:Â Structural and Dynamic Properties of Tetrahydroborate Complexes. <i>Organometallics</i> , 2000, 19, 630-637.	1.1	30
38	Electrophilic addition reactions of the Lewis acids B(C6F5)2R [R=...=â€...C6F5, Ph, H or Cl] with the metallocene hydrides [M(Î-C5H5)2H2] (M=...=â€...Mo or W), [Re(Î-C5H5)2H] and [Ta(Î-C5H5)2H3]. <i>Dalton Transactions RSC</i> , 2000, , 813-820.	2.3	28
39	Highly hydrophilic and stable polypeptide/single-wall carbon nanotube conjugates. <i>Journal of Materials Chemistry</i> , 2008, 18, 1977.	6.7	28
40	Rapid Synthesis of Alkali-Metal Fullerides Using a Microwave-Induced Argon Plasma. <i>Chemistry of Materials</i> , 1996, 8, 394-400.	3.2	24
41	Niobium- and tantalum-benzamidinato complexes with trimethylphosphine, imido, or Î-cyclopentadienyl derivatives. <i>Dalton Transactions RSC</i> , 2000, , 967-974.	2.3	23
42	Niobiumâ€Î-cyclopentadienyl compounds with imido and amido ligands derived from 2,6-dimethylaniline. <i>Dalton Transactions RSC</i> , 2000, , 4555-4562.	2.3	22
43	Synthesis of [Ti(Î-6-1,3,5-C6H3iPr3)2][BAR4] (Ar = C6H5,p-C6H4F, 3,5-C6H3(CF3)2), the First Titanium(I) Derivatives. <i>Organometallics</i> , 1997, 16, 3100-3101.	1.1	21
44	Synthesis and reactions of (tert-butylimido)bis(Î-cyclopentadienyl)niobium cations: NMR evidence for d0 olefin cations [Nb{(Î-C5H5)2}(NtBu)(Î-C2H4)][B(C6F5)4] and [Nb{(Î-C5H4)CMe2(Î-C5H4)}(NtBu)(Î-C2H3Me)][B(C6F5)4]. <i>Dalton Transactions RSC</i> , 2000, , 2952-2959.	2.3	21
45	Niobium Î-cyclopentadienyl compounds with imido and amido ligands derived from tert-butylamine. <i>Dalton Transactions RSC</i> , 2000, , 4044-4051.	2.3	21
46	Sidewall functionalisation of carbon nanotubes by addition of diarylcarbene derivatives. <i>Journal of Materials Chemistry</i> , 2011, 21, 19080.	6.7	21
47	Opening and Filling Carbon Nanotubes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1997, 5, 695-704.	0.6	19
48	Notizen: Some Molybdenum and Tungsten Complexes with Nitrogen Ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1968, 23, 106-106.	0.3	18
49	Rationalizing the catalytic performance of Î3-alumina-supported Co(Ni)â€Mo(W) HDS catalysts prepared by urea-matrix combustion synthesis. <i>Catalysis Letters</i> , 2006, 111, 57-66.	1.4	17
50	Interactions between tripodal porphyrin hosts and single walled carbon nanotubes: an experimental and theoretical (DFT) account. <i>Journal of Materials Chemistry</i> , 2008, 18, 2781.	6.7	17
51	Immobilisierung von platinieren und iodierten DNAâ€Oligomeren an Kohlenstoffâ€NanorÃ¶hren. <i>Angewandte Chemie</i> , 1997, 109, 2291-2294.	1.6	16
52	Notizen: A o-Vinyl Complex of Iron. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1965, 20, 598-598.	0.3	15
53	New group 10 complexes of the bulky iminophosphine ligands [Ph2PCH2C(Ph)Î€N(2,6-R2C6H3)], where R = Me,iPr. <i>New Journal of Chemistry</i> , 2005, 29, 385-397.	1.4	15
54	Vapour synthesis: A new technique in synthetic chemistry. <i>Journal of Applied Chemistry and Biotechnology</i> , 1975, 25, 641-651.	0.0	15

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55	The Covalent Bond Classification Method and Its Application to Compounds That Feature 3-Center 2-Electron Bonds. <i>Structure and Bonding</i> , 2016, , 79-139.	1.0	15
56	Notizen: Some New Cyclopentadienyl Halides of Molybdenum, Tungsten and Rhenium. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1964, 19, 652-652.	0.3	14
57	Correlated transport and high resolution transmission electron microscopy investigations on inorganic-filled single-walled carbon nanotubes showing negative differential resistance. <i>Applied Physics Letters</i> , 2007, 91, 253124.	1.5	14
58	Synthesis and characterization of WS ₂ inorganic nanotubes with encapsulated/intercalated Csl. <i>Nano Research</i> , 2010, 3, 170-173.	5.8	14
59	One- and Two-Dimensional Inorganic Crystals inside Inorganic Nanotubes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4233-4243.	1.0	14
60	Ferromagnetism of double-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	14
61	Monocyclopentadienyl complexes of niobium, tantalum and tungsten containing heterodifunctional P,O ligands Dedicated to Prof. P. Royo on the occasion of his 65th birthday, with our warmest congratulations.. <i>New Journal of Chemistry</i> , 2003, 27, 32-38.	1.4	13
62	Studies on ansa-zirconocene-butadiene derivatives. <i>Dalton Transactions RSC</i> , 2000, , 317-327.	2.3	12
63	Synthesis and Interconversion of Some Small Ruthenaboranes: Reaction of a Ruthenium Borohydride with Pentaborane(9) to Form Larger Ruthenaboranes. <i>Organometallics</i> , 2007, 26, 4031-4037.	1.1	12
64	Synthesis of η^6 -arene complexes of molybdenum containing η^2 -ketophosphine and related P,O mixed donor ligands. <i>Dalton Transactions RSC</i> , 2002, , 2491-2500.	2.3	11
65	Carbon nanocapsules: blocking materials inside carbon nanotubes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2739-2742.	0.8	11
66	Synthesis of molybdenum arene complexes containing amide-derived heterodifunctional P,O ligands. <i>Dalton Transactions RSC</i> , 2002, , 1487-1493.	2.3	10
67	Redshift and optical anisotropy of collective ϵ -volume modes in multiwalled carbon nanotubes. <i>Physical Review B</i> , 2006, 74, .	1.1	10
68	High yield synthesis of propanal from methane and air. <i>Catalysis Letters</i> , 1992, 13, 341-347.	1.4	9
69	Group 6 transition metal carbonyl complexes with chalcogen-bridged diarsenic(III) ligands. <i>Dalton Transactions RSC</i> , 2000, , 3347-3355.	2.3	8
70	Force and energy dissipation variations in noncontact atomic force spectroscopy of composite carbon nanotube systems. <i>Physical Review B</i> , 2006, 74, .	1.1	8
71	Synthesis of 1D P-block halide crystals within single walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	6
72	Some η^5 -Cyclopentadienyl Complexes of Titanium(III). <i>Inorganic Syntheses</i> , 0, , 237-240.	0.3	6

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73	The characterization of sub-nanometer scale structures within single walled carbon nanotubes. AIP Conference Proceedings, 2001, , .	0.3	5
74	Hydrido Phosphine Arene Complexes of Molybdenum. Inorganic Syntheses, 0, , 54-61.	0.3	3
75	The Crystallography of Metal Halides formed within Single Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 14311.	0.1	2
76	Spatially resolved EELS applied to the study of a one-dimensional solid solution of AgCl _{1-x} formed within single wall carbon nanotubes. AIP Conference Proceedings, 2002, , .	0.3	2
77	Complete characterization of an (Sb ₂ O ₃) _n /SWNT inclusion composite. Physics of the Solid State, 2002, 44, 463-466.	0.2	2
78	SOME EARLY-DAYS MEMORIES AND THEN A SMALL DIVERSION INTO BORON CHEMISTRY, AND FINALLY SOME NEW CHEMISTRY OF CARBON NANOTUBES. Comments on Inorganic Chemistry, 2010, 31, 90-94.	3.0	2
79	Comment on "Hydride, gold(i) and related derivatives of the unsaturated ditungsten anion [W ₂ Cp ₂ (¹ / ₄ -PCy ₂)(¹ / ₄ -CO) ₂]" by M. A. Ruiz et al., Dalton Trans., 2014, 43, 16044. Dalton Transactions, 2018, 43, 6628-6629.		2
80	1D P-Block Halide Crystals Confined into Single Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 13151.	0.1	1
81	Functionalization of Single-Wall Carbon Nanotubes with Quantum Dots and Proteins. AIP Conference Proceedings, 2002, , .	0.3	0
82	Characterisation of a La ₂ @(18,3)SWNT encapsulation composite: A 1D La ₂ crystal fragment, adopting the "reduced" structure of La ₃ . Microscopy and Microanalysis, 2003, 9, 324-325.	0.2	0
83	Structural and morphological variations of encapsulated metal oxides in single walled carbon nanotubes. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
84	Exploring Pathways for Activation of Carbon Monoxide by Palladium Iminophosphines. ChemPlusChem, 2013, 78, 1413-1420.	1.3	0