

Malcolm L H Green

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83
papers

6,083
citations

32
h-index

77
g-index

86
ext. papers

6,389
ext. citations

8.8
avg, IF

5.11
L-index

#	Paper	IF	Citations
83	A simple chemical method of opening and filling carbon nanotubes. <i>Nature</i> , 1994 , 372, 159-162	50.4	1139
82	Partial oxidation of methane to synthesis gas using carbon dioxide. <i>Nature</i> , 1991 , 352, 225-226	50.4	650
81	Selective oxidation of methane to synthesis gas using transition metal catalysts. <i>Nature</i> , 1990 , 344, 319-324	50.4	508
80	Thinning and opening of carbon nanotubes by oxidation using carbon dioxide. <i>Nature</i> , 1993 , 362, 520-523	50.4	483
79	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	50.4	369
78	Carbon-Hydrogen-Transition Metal Bonds. <i>Progress in Inorganic Chemistry</i> , 1-124		362
77	The occurrence and representation of three-centre two-electron bonds in covalent inorganic compounds. <i>Chemical Communications</i> , 2012 , 48, 11481-503	5.8	214
76	Integral atomic layer architectures of 1D crystals inserted into single walled carbon nanotubes. <i>Chemical Communications</i> , 2002 , 1319-1332	5.8	185
75	Methane Oxyforming for Synthesis Gas Production. <i>Catalysis Reviews - Science and Engineering</i> , 2007 , 49, 511-560	12.6	167
74	Immobilization of Platinated and Iodinated Oligonucleotides on Carbon Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2198-2200		102
73	Filling of Carbon Nanotubes with Silver, Gold, and Gold Chloride. <i>Chemistry of Materials</i> , 1996 , 8, 2751-2754	5.4	96
72	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	2.6	95
71	Cationic and neutral palladium(II) methyl complexes of di-N-heterocyclic carbenes. <i>Dalton Transactions RSC</i> , 2002 , 1386		87
70	Purification and opening of carbon nanotubes via bromination. <i>Advanced Materials</i> , 1996 , 8, 1012-1015	24	87
69	Effect of carburising agent on the structure of molybdenum carbides. <i>Journal of Materials Chemistry</i> , 2001 , 11, 3094-3098		72
68	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	4.3	69
67	Nickel(II)cis- andtrans-Dimethyl Complexes of Di-N-heterocyclic Carbenes. <i>Organometallics</i> , 2001 , 20, 2611-2615	3.8	67

66	1D lanthanide halide crystals inserted into single-walled carbon nanotubes. <i>Chemical Communications</i> , 2000 , 2427-2428	5.8	66
65	Encapsulation of RexOy Clusters within Single-Walled Carbon Nanotubes and Their in tubulo Reduction and Sintering to Re Metal. <i>Chemistry of Materials</i> , 2005 , 17, 6579-6582	9.6	57
64	Synthesis and study of new binuclear compounds containing bridging (ECN)B(C6F5)3 and (ENC)B(C6F5)3 systems. <i>Dalton Transactions</i> , 2003 , 2550-2557	4.3	55
63	Complete characterisation of a Sb2O3/(21,8)SWNT inclusion composite. <i>Chemical Communications</i> , 2001 , 929-930	5.8	55
62	Study on the mechanism of partial oxidation of methane to synthesis gas over molybdenum carbide catalyst. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 4549-4554	3.6	54
61	Fabrication of carbon-nanotube-reinforced glass/ceramic nanocomposites by ultrasonic in situ sol/gel processing. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5344		53
60	Electron beam induced in situ clusterisation of 1D ZrCl4 chains within single-walled carbon nanotubes. <i>Chemical Communications</i> , 2001 , 845-846	5.8	52
59	Electrochemical Opening of Single-Walled Carbon Nanotubes Filled with Metal Halides and with Closed Ends. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10389-10397	3.8	46
58	An electrochemical comparison of manganese dioxide microparticles versus nanorods and manganese dioxide nanorods: mechanistic and electrocatalytic behaviour. <i>New Journal of Chemistry</i> , 2008 , 32, 1195	3.6	40
57	Synthesis and catalytic properties of oxalic amidinato complexes. <i>Dalton Transactions RSC</i> , 2001 , 1761-1767		40
56	Edge-carboxylated graphene nanoflakes from nitric acid oxidised arc-discharge material. <i>Journal of Materials Chemistry</i> , 2010 , 20, 314-319		38
55	Dimeric n-Alkyl Complexes of Rare-Earth Metals Supported by a Linked Amido/cyclopentadienyl Ligand: Evidence for π -Agostic Bonding in Bridging n-Alkyl Ligands and Its Role in Styrene Polymerization. <i>Organometallics</i> , 2003 , 22, 65-76	3.8	37
54	Palladium(II) complexes with the bidentate iminophosphine ligand [Ph2PCH2C(Ph)N(2,6-Me2C6H3)]. <i>Dalton Transactions RSC</i> , 2001 , 3384-3395		35
53	Weakly-coordinating anions stabilise the unprecedented monovalent and divalent benzene nickel cations [(EC5H5)Ni(EC6H6)Ni(EC5H5)]2+ and [Ni(EC6H6)2]2+. <i>Chemical Communications</i> , 2000 , 779-780	5.8	34
52	Study on preparation of high surface area tungsten carbides and phase transition during the carburisation. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3522-3529	3.6	33
51	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. <i>Organometallics</i> , 2010 , 29, 4858-4870	3.8	32
50	Green Derivatization of carbon nanotubes with Nylon 6 and L-alanine. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4420-4426		30
49	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. <i>Physical Review B</i> , 2006 , 74,	3.3	28

48	The classification and representation of main group element compounds that feature three-center four-electron interactions. <i>Dalton Transactions</i> , 2016 , 45, 18784-18795	4.3	27
47	Highly hydrophilic and stable polypeptide/single-wall carbon nanotube conjugates. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1977		27
46	Electrophilic addition reactions of the Lewis acids B(C ₆ F ₅) ₂ R [R = C ₆ F ₅ , Ph, H or Cl] with the metallocene hydrides [M(EC ₅ H ₅) ₂ H ₂] (M = Mo or W), [Re(EC ₅ H ₅) ₂ H] and [Ta(EC ₅ H ₅) ₂ H ₃]. <i>Dalton Transactions RSC</i> , 2000 , 813-820		25
45	Group 5 ansa-Metallocenes: Structural and Dynamic Properties of Tetrahydroborate Complexes. <i>Organometallics</i> , 2000 , 19, 630-637	3.8	23
44	Niobium- and tantalum-benzamidinato complexes with trimethylphosphine, imido, or η -cyclopentadienyl derivatives. <i>Dalton Transactions RSC</i> , 2000 , 967-974		22
43	Niobium η -cyclopentadienyl compounds with imido and amido ligands derived from 2,6-dimethylaniline. <i>Dalton Transactions RSC</i> , 2000 , 4555-4562		22
42	Niobium η -cyclopentadienyl compounds with imido and amido ligands derived from tert-butylamine. <i>Dalton Transactions RSC</i> , 2000 , 4044-4051		21
41	Sidewall functionalisation of carbon nanotubes by addition of diarylcarbene derivatives. <i>Journal of Materials Chemistry</i> , 2011 , 21, 19080		20
40	Synthesis of [Ti(η -1,3,5-C ₆ H ₃ iPr ₃) ₂][BAr ₄] (Ar = C ₆ H ₅ , p-C ₆ H ₄ F, 3,5-C ₆ H ₃ (CF ₃) ₂), the First Titanium(II) Derivatives. <i>Organometallics</i> , 1997 , 16, 3100-3101	3.8	20
39	Synthesis and reactions of (tert-butylimido)bis(η -cyclopentadienyl)niobium cations: NMR evidence for d ⁰ olefin cations [Nb{(EC ₅ H ₅) ₂ }(NtBu)(EC ₂ H ₄)] [B(C ₆ F ₅) ₄] and [Nb{(EC ₅ H ₄)CMe ₂ (EC ₅ H ₄)}(NtBu)(EC ₂ H ₃ Me)] [B(C ₆ F ₅) ₄]. <i>Dalton Transactions RSC</i> , 2000 , 2952-2959		20
38	Rapid Synthesis of Alkali-Metal Fullerides Using a Microwave-Induced Argon Plasma. <i>Chemistry of Materials</i> , 1996 , 8, 394-400	9.6	20
37	Notizen: Some Molybdenum and Tungsten Complexes with Nitrogen Ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1968 , 23, 106-106	1	17
36	Opening and Filling Carbon Nanotubes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1997 , 5, 695-704		16
35	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		16
34	Rationalizing the catalytic performance of alumina-supported Co(Ni)/Mo(W) HDS catalysts prepared by urea-matrix combustion synthesis. <i>Catalysis Letters</i> , 2006 , 111, 57-66	2.8	15
33	Notizen: A σ -Vinyl Complex of Iron. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1965 , 20, 598-598	1	15
32	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	1	14
31	Vapour synthesis: A new technique in synthetic chemistry. <i>Journal of Applied Chemistry and Biotechnology</i> , 2007 , 25, 641-651		13

30	New group 10 complexes of the bulky iminophosphine ligands [Ph ₂ PCH ₂ C(Ph)N(2,6-R ₂ C ₆ H ₃)], where R = Me, iPr. <i>New Journal of Chemistry</i> , 2005 , 29, 385-397	3.6	13
29	One- and Two-Dimensional Inorganic Crystals inside Inorganic Nanotubes. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4233-4243	2.3	12
28	Immobilisierung von platinieren und iodierten DNA-Oligomeren an Kohlenstoff-Nanoröhren. <i>Angewandte Chemie</i> , 1997 , 109, 2291-2294	3.6	12
27	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	3.4	12
26	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	0.9	11
25	Ferromagnetism of double-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 242503	3.4	11
24	Synthesis and characterization of WS ₂ inorganic nanotubes with encapsulated/intercalated CsI. <i>Nano Research</i> , 2010 , 3, 170-173	10	11
23	Monocyclopentadienyl complexes of niobium, tantalum and tungsten containing heterodifunctional P,O ligands. <i>New Journal of Chemistry</i> , 2003 , 27, 32-38	3.6	11
22	Studies on ansa-zirconocenebutadiene derivatives. <i>Dalton Transactions RSC</i> , 2000 , 317-327		11
21	Redshift and optical anisotropy of collective E ₁ volume modes in multiwalled carbon nanotubes. <i>Physical Review B</i> , 2006 , 74,	3.3	10
20	Carbon nanocapsules: blocking materials inside carbon nanotubes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 2739-2742		9
19	Synthesis of molybdenum arene complexes containing amide-derived heterodifunctional P,O ligands. <i>Dalton Transactions RSC</i> , 2002 , 1487-1493		9
18	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		9
17	Group 6 transition metal carbonyl complexes with chalcogen-bridged diarsenic(III) ligands. <i>Dalton Transactions RSC</i> , 2000 , 3347-3355		8
16	High yield synthesis of propanal from methane and air. <i>Catalysis Letters</i> , 1992 , 13, 341-347	2.8	8
15	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	3.8	6
14	Some η ⁵ Cyclopentadienyl Complexes of Titanium(III). <i>Inorganic Syntheses</i> , 237-240		6
13	Force and energy dissipation variations in noncontact atomic force spectroscopy of composite carbon nanotube systems. <i>Physical Review B</i> , 2006 , 74,	3.3	5

12	The characterization of sub-nanometer scale structures within single walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	4
11	Synthesis of 1D P-block halide crystals within single walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	3
10	Comment on "Hydride, gold(i) and related derivatives of the unsaturated ditungsten anion [WCp(EPCy)(ECO)]-" by M. A. Ruiz et al., Dalton Trans., 2014, 43, 16044. <i>Dalton Transactions</i> , 2018 , 47, 6628-6629	4.3	2
9	SOME EARLY-DAYS MEMORIES AND THEN A SMALL DIVERSION INTO BORON CHEMISTRY, AND FINALLY SOME NEW CHEMISTRY OF CARBON NANOTUBES. <i>Comments on Inorganic Chemistry</i> , 2010 , 31, 90-94	3.9	2
8	Spatially resolved EELS applied to the study of a one-dimensional solid solution of AgCl _{1-x} I _x formed within single wall carbon nanotubes. <i>AIP Conference Proceedings</i> , 2002 ,	0	2
7	The Crystallography of Metal Halides formed within Single Walled Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 633, 14311		2
6	Hyrido Phosphine Arene Complexes of Molybdenum. <i>Inorganic Syntheses</i> , 54-61		2
5	Complete characterization of an (Sb ₂ O ₃) _n /SWNT inclusion composite. <i>Physics of the Solid State</i> , 2002 , 44, 463-466	0.8	1
4	1D P-Block Halide Crystals Confined into Single Walled Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 633, 13151		1
3	Exploring Pathways for Activation of Carbon Monoxide by Palladium Iminophosphines. <i>ChemPlusChem</i> , 2013 , 78, 1413-1420	2.8	
2	Characterisation of a LaI ₂ @(18,3)SWNT encapsulation composite: A 1D LaI ₂ crystal fragment, adopting the reduced structure of LaI ₃ . <i>Microscopy and Microanalysis</i> , 2003 , 9, 324-325	0.5	
1	Structural and Morphological Variations of Encapsulated Metal Oxides in Single Walled Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 901, 1		