

Benjamin D Ward

List of Publications by Year in descending order

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60
papers

1,937
citations

218677

26
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254184

43
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65
all docs

65
docs citations

65
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	C3 Chirality in Polymerization Catalysis: A Highly Active Dicationic Scandium(III) Catalyst for the Iseoselective Polymerization of 1-Hexene. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1668-1671.	13.8	140
2	Synthesis, Structures, and Reactions of Titanium, Scandium, and Yttrium Complexes of Diamino-bis(phenolate) Ligands: Monomeric, Dimeric, Neutral, Cationic, and Multiply Bonded Derivatives. <i>Organometallics</i> , 2005, 24, 309-330.	2.3	98
3	Highly efficient ethylene polymerisation by scandium alkyls supported by neutral fac- η^3 coordinated N3donor ligands. <i>Chemical Communications</i> , 2003, , 2880-2881.	4.1	89
4	Chiral calciumcatalysts for asymmetric hydroamination/cyclisation. <i>Chemical Communications</i> , 2011, 47, 5449-5451.	4.1	78
5	Recent developments in the non-cyclopentadienyl organometallic and related chemistry of scandium. <i>Chemical Communications</i> , 2003, , 1797.	4.1	77
6	A Family of Scandium and Yttrium Tris((trimethylsilyl)methyl) Complexes with Neutral N3Donor Ligands. <i>Organometallics</i> , 2005, 24, 3136-3148.	2.3	71
7	Synthesis and structural characterization of an azatitanacyclobutene: the key intermediate in the catalytic anti-Markovnikov addition of primary amines to $1\pm$ -alkynes. <i>Chemical Communications</i> , 2004, , 704-705.	4.1	70
8	Imido-Alkyne Coupling in Titanium Complexes: New Insights into the Alkyne Hydroamination Reaction. <i>Organometallics</i> , 2007, 26, 5522-5534.	2.3	70
9	Modular ligand variation in calcium bisimidazoline complexes: effects on ligand redistribution and hydroamination catalysis. <i>Dalton Transactions</i> , 2011, 40, 7693.	3.3	66
10	Rare earth metal oxazoline complexes in asymmetric catalysis. <i>Chemical Communications</i> , 2012, 48, 10587.	4.1	59
11	Calcium amido-bisoxazoline complexes in asymmetric hydroamination/cyclisation catalysis. <i>Chemical Communications</i> , 2012, 48, 11790.	4.1	55
12	New N- and O-donor ligand environments in organoscandium chemistry. <i>Journal of Organometallic Chemistry</i> , 2002, 647, 145-150.	1.8	50
13	Titanium hydroamination catalysts bearing a 2-aminopyrrolinato spectator ligand: monitoring the individual reaction steps. <i>Dalton Transactions</i> , 2009, , 4586.	3.3	49
14	Using Substituted Cyclometalated Quinoxaline Ligands To Finely Tune the Luminescence Properties of Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 448-456.	4.0	48
15	Bisoxazolines with one and two sidearms: stereodirecting ligands for copper-catalysed asymmetric allylic oxidations of alkenes. <i>Dalton Transactions</i> , 2006, , 193-202.	3.3	43
16	C3-Symmetric Chiral Organolanthanide Complexes: Synthesis, Characterization, and Stereospecific Polymerization of $1\pm$ -Olefins. <i>Organometallics</i> , 2007, 26, 4652-4657.	2.3	43
17	Shaping and Enforcing Coordination Spheres: The Implications of C3 and C1 Chirality in the Coordination Chemistry of 1,1,1-Tris(oxazolanyl)ethane ($\alpha\omega$ -Trisox $\alpha\epsilon$). <i>Chemistry - A European Journal</i> , 2007, 13, 3058-3075.	3.3	40
18	High tacticity control in organolanthanide polymerization catalysis: formation of isotactic poly($1\pm$ -alkenes) with a chiral C3-symmetric thulium complex. <i>Dalton Transactions</i> , 2007, , 920-922.	3.3	39

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19	Selected recent developments in organo-cobalt chemistry. <i>New Journal of Chemistry</i> , 2008, 32, 1850.	2.8	37
20	2-Aminopyrrolines: New Chiral Amidinate Ligands with a Rigid Well-Defined Molecular Structure and Their Coordination to TiIV. <i>Inorganic Chemistry</i> , 2006, 45, 7777-7787.	4.0	36
21	Bimodal, dimetallic lanthanide complexes that bind to DNA: the nature of binding and its influence on water relaxivity. <i>Chemical Communications</i> , 2011, 47, 3374.	4.1	36
22	Reactions of Neutral and Cationic Diamide-Supported Imido Complexes with CO ₂ and Other Heterocumulenes: Issues of Site Selectivity. <i>Organometallics</i> , 2005, 24, 2368-2385.	2.3	35
23	Chiral lanthanide complexes: coordination chemistry, spectroscopy, and catalysis. <i>Dalton Transactions</i> , 2014, 43, 5871-5885.	3.3	35
24	Synthesis, Reactivity, and Computational Studies of the Cationic Tungsten Methyl Complex [W(NPh)(N ₂ Npy)Me] ⁺ and Related Compounds (N ₂ Npy = MeC(2-C ₅ H ₄ N)(CH ₂ NSiMe ₃) ₂). <i>Organometallics</i> , 2004, 23, 4444-4461.	2.3	33
25	Insertions into Azatitanacyclobutenes: New Insights into Three-Component Coupling Reactions Involving Imidotitanium Intermediates. <i>Organometallics</i> , 2008, 27, 2518-2528.	2.3	33
26	Scandium-Catalyzed Polymerization of CH ₃ (CH ₂) _n CH=CH ₂ (n = 0-4): Remarkable Activity and Tacticity Control. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 866-871.	2.0	27
27	Copper(II) complexes of pyridine-oxazoline (Pyox) ligands: Coordination chemistry, ligand stability, and catalysis. <i>Inorganica Chimica Acta</i> , 2016, 441, 86-94.	2.4	26
28	Aluminium(III) and zinc(II) complexes of azobenzene-containing ligands for ring-opening polymerisation of μ -caprolactone and <i>rac</i> -lactide. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 711-719.	6.0	26
29	Tuning the Thiolen: Al(III) and Fe(III) Thiolen Complexes for the Isolelective ROP of <i>rac</i> -Lactide. <i>Macromolecules</i> , 2019, 52, 5977-5984.	4.8	25
30	A functional model for lanthanide doped silicate materials: synthesis of an apically substituted samarium silsesquioxane complex. <i>Dalton Transactions RSC</i> , 2001, , 488-491.	2.3	24
31	Scandium chloride, alkyl and phenyl complexes of diamido-donor ligands. <i>Dalton Transactions RSC</i> , 2002, , 4649-4657.	2.3	24
32	Neutral and cationic cyclometallated Ir(III) complexes of anthra[1,2-d]imidazole-6,11-dione-derived ligands: Syntheses, structures and spectroscopic characterisation. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2401-2409.	1.8	22
33	Novel quasi-scorpionate ligand structures based on a bis-N-heterocyclic carbene chelate core: synthesis, complexation and catalysis. <i>Applied Organometallic Chemistry</i> , 2011, 25, 374-382.	3.5	22
34	Amino-anthraquinone chromophores functionalised with 3-picoyl units: structures, luminescence, DFT and their coordination chemistry with cationic Re(I) di-imine complexes. <i>Dalton Transactions</i> , 2011, 40, 3498.	3.3	20
35	Convenient syntheses of cyanuric chloride-derived NHC ligands, their Ag(I) and Au(I) complexes and antimicrobial activity. <i>Dalton Transactions</i> , 2013, 42, 12370.	3.3	20
36	Aluminium-catalysed isocyanate trimerization, enhanced by exploiting a dynamic coordination sphere. <i>Chemical Communications</i> , 2019, 55, 7679-7682.	4.1	20

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37	Boron- ¹⁵ N-Doped Nanographenes: A Synthetic Tale from Borazine Precursors. Chemistry - A European Journal, 2020, 26, 6608-6621.	3.3	20
38	Intramolecular Formation of a Cr ^I (bis-arene) Species via TEA Activation of [Cr(CO) ₄ (Ph) ₂ P(C ₃ H ₆) ₂ PPH ₂] ⁺ : An EPR and DFT Investigation. Organometallics, 2011, 30, 4505-4508.	2.3	19
39	Synthesis and reactivity of the imidotungsten methyl cation [W(N ₂ Npy)(NPh)Me] ⁺ : CO ₂ adds to the W=N bond and does not insert into the W-Me bond. Chemical Communications, 2002, , 2618-2619.	4.1	15
40	Fluorescent functionalised naphthalimides and their Au ^I -NHC complexes for potential use in cellular bioimaging. Dalton Transactions, 2019, 48, 1599-1612.	3.3	15
41	Influence of counterions on the structure of bis(oxazoline)copper(II) complexes; an EPR and ENDOR investigation. Dalton Transactions, 2012, 41, 11085.	3.3	14
42	Near-IR luminescent neodymium complexes: spectroscopic probes for hydroamination catalysis. Chemical Communications, 2013, 49, 6072.	4.1	13
43	Reactivity of Tetrabutylammonium Iodide with a Heteronuclear 6Copper(II)- ⁴ Na(I) Complex: Selective Recognition of Iodide Ion. Industrial & Engineering Chemistry Research, 2013, 52, 15007-15014.	3.7	13
44	Simple Zn ^{II} complexes for the production and degradation of polyesters. RSC Advances, 2022, 12, 1416-1424.	3.6	13
45	A facile one-pot synthesis of a new cryptand via a Pd(II)-catalysed carbonylation reaction. Dalton Transactions, 2010, 39, 10031.	3.3	12
46	Group 6 Imido Complexes Supported by Diamido-Donor Ligands. Inorganic Chemistry, 2003, 42, 4961-4969.	4.0	11
47	Reactivity of nitrilotriacetic acid with polypyridyl protected as well as naked copper(II) nitrate. Polyhedron, 2012, 33, 425-434.	2.2	11
48	Chromophore-labelled, luminescent platinum complexes: syntheses, structures, and spectroscopic properties. Dalton Transactions, 2016, 45, 10297-10307.	3.3	11
49	Near-IR luminescent lanthanide complexes with 1,8-diaminoanthraquinone-based chromophoric ligands. Dalton Transactions, 2016, 45, 6674-6681.	3.3	11
50	A new diamido-amine ligand based on three-carbon atom α -arms synthesis, structures and polymerisation capability of zirconium derivatives of MeN(CH ₂ CH ₂ CH ₂ NSiMe ₃) ₂ . Chemical Communications, 2005, , 113-115.	4.1	10
51	The co-ordination chemistry of tris(3,5-dimethylpyrazolyl)methane manganese carbonyl complexes: Synthetic, electrochemical and DFT studies. Dalton Transactions, 2011, 40, 9276.	3.3	10
52	Structure, EPR/ENDOR and DFT characterisation of a [CuI(en) ₂](OTf) ₂ complex. Dalton Transactions, 2013, 42, 15088.	3.3	8
53	Metallocene catalysts for the ring-opening co-polymerisation of epoxides and cyclic anhydrides. Polymer Chemistry, 2022, 13, 3315-3324.	3.9	6
54	Synthesis and luminescence properties of cyclometalated iridium(III) complexes incorporating conjugated benzotriazole units. Journal of Organometallic Chemistry, 2018, 861, 234-243.	1.8	3

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55	Scandium Complexes Bearing Bis(oxazolinyphenyl)amide Ligands: An Analysis of Their Reactivity, Solution State Structures and Photophysical Properties. European Journal of Inorganic Chemistry, 2016, 2016, 2932-2941.	2.0	2
56	Synthesis and characterisation of fluorescent aminophosphines and their coordination to gold(i). Dalton Transactions, 2018, 47, 9324-9333.	3.3	2
57	Shaping and enforcing coordination spheres: probing the ability of tripodal ligands to favour trigonal prismatic geometry. Dalton Transactions, 2016, 45, 10630-10642.	3.3	1
58	Recent Developments in the Non-Cyclopentadienyl Organometallic and Related Chemistry of Scandium. ChemInform, 2004, 35, no.	0.0	0
59	Lithiation of the diaminepyridine protio-ligand MeC(2-C5H4N){CH2N(H)Mes}2 (Mes = 2,4,6-C6H2Me3). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m472-m474.	0.2	0
60	Alkyl, Carbonyl and Cyanide Complexes of the Group 4 Metals. , 2021, , .		0