

John Arnold

List of Publications by Year in descending order

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7156
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Enhanced Raman Spectroscopy for Trace Arsenic Detection in Contaminated Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6456-6460.	7.2	258
2	Proton-Catalyzed Hydroamination and Hydroarylation Reactions of Anilines and Alkenes: A Dramatic Effect of Counteranions on Reaction Efficiency. <i>Journal of the American Chemical Society</i> , 2005, 127, 14542-14543.	6.6	241
3	Gated proton transport in aligned mesoporous silica films. <i>Nature Materials</i> , 2008, 7, 303-307.	13.3	223
4	Synthesis, Structure, and Properties of 1,1'-Diamino- and 1,1'-Diazidoferrrocene. <i>Organometallics</i> , 2000, 19, 3978-3982.	1.1	157
5	On the non-innocence of β -Nacnac ligand-based reactivity in $\hat{\text{T}}^2$ -diketiminate supported coordination compounds. <i>Dalton Transactions</i> , 2016, 45, 14462-14498.	1.6	154
6	Mono-guanidinate complexes of lanthanum: synthesis, structure and their use in lactide polymerization. <i>Dalton Transactions RSC</i> , 2001, , 923-927.	2.3	149
7	Titanium(II), -(III), and -(IV) Complexes Supported by Benzamidinate Ligands. <i>Organometallics</i> , 1998, 17, 1355-1368.	1.1	148
8	A Comparison of 4 <i>f</i> vs 5 <i>f</i> Metal-Metal Bonds in $(\text{CpSiMe}_3)_3\text{M}^{\text{II}}\text{ECp}^*$ (M = Nd, U; E = Al, Ga; Cp* = C ₅ Me ₅): Synthesis, Thermodynamics, Magnetism, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 13767-13783.	6.6	131
9	An overview and recent progress in the chemistry of uranium extraction from seawater. <i>Dalton Transactions</i> , 2018, 47, 639-644.	1.6	130
10	The Chemistry of Metal Complexes with Selenolate and Tellurolate Ligands. <i>Progress in Inorganic Chemistry</i> , 0, , 353-417.	3.0	121
11	Suggested Modifications to a Distillation-Free Solvent Purification System. <i>Journal of Chemical Education</i> , 2001, 78, 64.	1.1	117
12	Catalytic Hydroamination of Alkynes and Norbornene with Neutral and Cationic Tantalum Imido Complexes. <i>Organic Letters</i> , 2004, 6, 2519-2522.	2.4	114
13	Synthesis and characterization of gold(I) thiolates, selenolates, and tellurolates: x-ray crystal structures of Au ₄ [TeC(SiMe ₃) ₃] ₄ , Au ₄ [SC(SiMe ₃) ₃] ₄ , and Ph ₃ PAu[TeC(SiMe ₃) ₃]. <i>Inorganic Chemistry</i> , 1993, 32, 5126-5131.	1.9	113
14	Recent developments in the chemistry of early transition metal porphyrin compounds. <i>Coordination Chemistry Reviews</i> , 1995, 140, 137-168.	9.5	113
15	Selective Semihydrogenation of Alkynes Catalyzed by a Cationic Vanadium Bisimido Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3900-3903.	7.2	113
16	A Heterobimetallic Complex With an Unsupported Uranium(III)-Aluminum(I) Bond: $(\text{CpSiMe}_3)_3\text{U}^{\text{III}}\text{AlCp}^*$ (Cp* = C ₅ Me ₅). <i>Journal of the American Chemical Society</i> , 2008, 130, 10086-10087.	6.6	112
17	Tethered Bis-Amidates as Supporting Ligands: A Concerted Elimination/1,2-Rearrangement Reaction Forming an Unusual Titanium Arene Complex. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1729-1731.	7.2	111
18	Origin of the unusually strong and selective binding of vanadium by polyamidoximes in seawater. <i>Nature Communications</i> , 2017, 8, 1560.	5.8	110

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19	Synthesis and characterization of lithium, sodium, and potassium porphyrin complexes. X-ray crystal structures of $\text{Li}_2(\text{C}_6\text{H}_{12}\text{O}_2)_2\text{TMPP}$, $\text{Na}_2(\text{THF})_4\text{OEP}$, and $\text{K}_2(\text{pyridine})_4\text{OEP}$. <i>Journal of the American Chemical Society</i> , 1993, 115, 2707-2713.	6.6	102
20	Uranium and thorium complexes of the phosphoethynolate ion. <i>Chemical Science</i> , 2015, 6, 6379-6384.	3.7	102
21	Low-Valent Chemistry of Titanium Benzamidates Leading to New $\text{Ti}^{\text{IV}}\text{-N}_2$, $\text{Ti}^{\text{IV}}\text{-O}$, Alkyl Derivatives, and the Cyclometalation of TMEDA. <i>Journal of the American Chemical Society</i> , 1996, 118, 893-894.	6.6	101
22	Reactivity of a Titanium Dinitrogen Complex Supported by Guanidinate Ligands: A Investigation of Solution Behavior and a Novel Rearrangement of Guanidinate Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 6952-6963.	1.9	99
23	Synthesis, Structural Investigation, and Reactivity of Neutral and Cationic Bis(guanidinato)zirconium(IV) Complexes. <i>Organometallics</i> , 2001, 20, 1808-1819.	1.1	98
24	Synthesis, structure, and reactivity of homoleptic tin(II) and lead(II) chalcogenolates and conversion to metal chalcogenides. X-ray crystal structures of $\{\text{Sn}[\text{TeSi}(\text{SiMe}_3)_3]_2\}_2$ and $(\text{PMe}_3)\text{Sn}[\text{TeSi}(\text{SiMe}_3)_3]_2$. <i>Journal of the American Chemical Society</i> , 1993, 115, 8214-8220.	6.6	92
25	Silylated 1,1'-Diaminoferrocene: A Ti and Zr Complexes of a New Chelating Diamide Ligand. <i>Organometallics</i> , 2001, 20, 1365-1369.	1.1	88
26	Preparation of Scandium Complexes with Benzamidinate Ligands: Synthesis and Reactivity of Alkyl and Hydrido Derivatives. <i>Organometallics</i> , 1996, 15, 984-991.	1.1	86
27	Stabilization of a Cationic Ti Center by a Ferrocene Moiety: A Remarkably Short $\text{Ti}^{\text{IV}}\text{-Fe}$ Interaction in the Diamide $\{[(\text{I}^{\text{+}}\text{-C}_5\text{H}_4\text{NSiMe}_3)_2\text{Fe}]\text{TiCl}\}_2^{2+}$. <i>Journal of the American Chemical Society</i> , 2001, 123, 9212-9213.	6.6	86
28	Siderophore-inspired chelator hijacks uranium from aqueous medium. <i>Nature Communications</i> , 2019, 10, 819.	5.8	84
29	Zinc, cadmium, and mercury tellurolates: hydrocarbon solubility and low coordination numbers enforced by sterically encumbered silyltellurolate ligands. <i>Inorganic Chemistry</i> , 1992, 31, 2508-2514.	1.9	83
30	Z-Selective, Catalytic Internal Alkyne Semihydrogenation under H_2/CO Mixtures by a Niobium(III) Imido Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 14904-14907.	6.6	82
31	Synthesis, Structure, and Coordination Chemistry of a Tridentate, Six-Electron-Donor Amidinate Ligand. <i>Organometallics</i> , 1999, 18, 5360-5366.	1.1	80
32	Preparation and characterization of tris(trimethylsilyl)silyl derivatives of zinc, cadmium, and mercury. X-ray crystal structure of $\text{Zn}[\text{Si}(\text{SiMe}_3)_3]_2$. <i>Inorganic Chemistry</i> , 1987, 26, 2106-2109.	1.9	79
33	Highly Isospecific Polymerization of Methyl Methacrylate with a Bis(pyrrolylaldiminato)samarium Hydrocarbyl Complex. <i>Organometallics</i> , 2003, 22, 3357-3359.	1.1	79
34	Tris(trimethylsilyl)silanetellurol: preparation, characterization, and synthetic utility of a remarkably stable tellurol. <i>Journal of the American Chemical Society</i> , 1991, 113, 3186-3188.	6.6	78
35	Synthesis and characterization of a new class of chelating bis(amidinate) ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1249-1256.	1.1	78
36	Synthesis and Characterization of Divalent Lanthanide Selenolates and Tellurolates. X-ray Crystal Structures of $\text{Yb}[\text{SeSi}(\text{SiMe}_3)_3]_2(\text{TMEDA})_2$ and $\{\text{Eu}[\text{TeSi}(\text{SiMe}_3)_3]_2(\text{DMPE})_2\}_2(\mu\text{-DMPE})$. <i>Inorganic Chemistry</i> , 1994, 33, 1791-1796.	1.9	77

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37	Neutral and Cationic Aluminum Complexes Supported by Sterically Bulky Amidinate Ligands. <i>Organometallics</i> , 2002, 21, 2306-2313.	1.1	77
38	Carbon Radical Generation by dOTantalum Complexes with $\hat{\text{I}}\pm$ -Diimine Ligands through Ligand-Centered Redox Processes. <i>Journal of the American Chemical Society</i> , 2011, 133, 18673-18683.	6.6	75
39	Nonprecious Metal Catalysts for Fuel Cell Applications: Electrochemical Dioxygen Activation by a Series of First Row Transition Metal Tris(2-pyridylmethyl)amine Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 4694-4706.	1.9	75
40	Preparation, characterization, and reactivity of scandium octaethylporphyrin complexes. X-ray crystal structures of (OEP)ScCH ₃ , (OEP)ScCH(SiMe ₃) ₂ , (OEP)Sc(.eta.5-C ₉ H ₇), and [(OEP)Sc] ₂ (.mu.-OH) ₂ . <i>Organometallics</i> , 1993, 12, 3645-3654.	1.1	72
41	New reagents for the synthesis of compounds containing metal-tellurium bonds: sterically hindered silyltelluroate derivatives and the x-ray crystal structures of [(THF) ₂ LiTeSi(SiMe ₃) ₃] ₂ and [(12-crown-4)2Li][TeSi(SiMe ₃) ₃]. <i>Journal of the American Chemical Society</i> , 1992, 114, 5209-5214.	6.6	71
42	Zirconium Chemistry Involving Benzamidinate Ligands. Reduction of [PhC(NSiMe ₃) ₂] ₂ ZrCl ₂ to form an Imido-Iminoacyl Compound by Carbon-Nitrogen Bond Cleavage. <i>Organometallics</i> , 1994, 13, 4670-4672.	1.1	71
43	Mono-amidinate complexes stabilized by a new sterically-hindered amidine. <i>Chemical Communications</i> , 1999, , 2149-2150.	2.2	71
44	Synthesis and characterization of a series of sterically-hindered amidines and their lithium and magnesium complexes. <i>Dalton Transactions RSC</i> , 2002, , 2890-2899.	2.3	71
45	Halo, Alkyl, Aryl, and Bis(imido) Complexes of Niobium Supported by the $\hat{\text{I}}^2$ -Diketiminato Ligand. <i>Organometallics</i> , 2010, 29, 2926-2942.	1.1	71
46	Chemistry of Reduced Monomeric and Dimeric Cobalt Complexes Supported by a PNP Pincer Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 11544-11550.	1.9	71
47	Early transition metal porphyrins: synthesis, characterization, and reactivity of novel out-of-plane cis-ligated zirconium porphyrin derivatives. <i>Organometallics</i> , 1993, 12, 3655-3665.	1.1	69
48	Transition metal dinitrogen complexes supported by a versatile monoanionic [N ₂ P ₂] ligand. <i>Chemical Communications</i> , 2007, , 4797.	2.2	68
49	Photochemical Route to Actinide-Transition Metal Bonds: Synthesis, Characterization and Reactivity of a Series of Thorium and Uranium Heterobimetallic Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 3647-3654.	6.6	68
50	Reactions of N,N,N'-trimethyl-1,4,7-triazacyclononane with butyllithium reagents. <i>Dalton Transactions RSC</i> , 2002, , 3273-3274.	2.3	67
51	Ferrocene-Based Olefin Polymerization Catalysts: Activation, Structure, and Intermediates. <i>Organometallics</i> , 2003, 22, 567-575.	1.1	67
52	Synthesis of Bifunctional Polymer Nanotubes from Silicon Nanowire Templates via Atom Transfer Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2005, 127, 16040-16041.	6.6	66
53	Preparation of lanthanide tellurolates and evidence for the formation of cluster intermediates in their thermal decomposition to bulk metal tellurides. <i>Journal of the American Chemical Society</i> , 1993, 115, 2520-2521.	6.6	65
54	Synthesis and characterization of sterically encumbered Li, Na, and K aryl tellurolates, and some Pt(II), Ir(I), and Cd(II) derivatives. <i>Journal of Organometallic Chemistry</i> , 1993, 449, 147-157.	0.8	64

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55	Evaluating σ -Element Bonding from Structure and Thermodynamics. <i>Chemistry - A European Journal</i> , 2011, 17, 12234-12245.	1.7	64
56	New Early Transition Metal Porphyrins: A New Route to Diorgano Complexes of Zirconium and Hafnium and the Preparation of Cationic Derivatives. <i>Organometallics</i> , 1994, 13, 4469-4473.	1.1	63
57	Trivalent Lanthanide Selenolates and Tellurolates Incorporating Sterically Hindered Ligands and Their Characterization by Multinuclear NMR Spectroscopy and X-ray Crystallography. <i>Journal of the American Chemical Society</i> , 1995, 117, 3492-3501.	6.6	63
58	Preparation and Properties of Magnesium, Calcium, Strontium, and Barium Selenolates and Tellurolates. <i>Inorganic Chemistry</i> , 1994, 33, 6293-6299.	1.9	62
59	A New Supporting Ligand in Actinide Chemistry Leads to Reactive Bis(NHC)borate-Supported Thorium Complexes. <i>Organometallics</i> , 2016, 35, 2915-2922.	1.1	61
60	Alkyl-, silyl-, and germyl-substituted thiolate, selenolate, and tellurolate derivatives and interconversion of silyl species by chalcogen metathesis. <i>Journal of the American Chemical Society</i> , 1993, 115, 6777-6781.	6.6	60
61	Organotantalum Bis(amidinate) Complexes: Synthesis and Characterization of Methyl, Methylidene, Benzyl, and Imido Derivatives. <i>Organometallics</i> , 1997, 16, 1111-1113.	1.1	60
62	Synthesis and Characterization of Thorium(IV) and Uranium(IV) Corrole Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13965-13971.	6.6	60
63	Carbon-fluorine bond cleavage in fluoroarenes via a niobium(III) imido complex: from stoichiometric to catalytic hydrodefluorination. <i>Chemical Science</i> , 2014, 5, 2517.	3.7	60
64	Covalent Lanthanide Chemistry Near the Limit of Weak Bonding: Observation of $(\text{CpSiMe}_3)_3\text{Ce}^+\text{ECp}^*$ and a Comprehensive Density Functional Theory Analysis of $(\text{Cp})_3\text{Ln}^+\text{ECp}$ (E = Al, Ga). <i>Inorganic Chemistry</i> , 2011, 50, 345-357.	1.9	58
65	Synthesis and Characterization of Group 13 and 15 Selenolates and Tellurolates and the x-ray Crystal Structures of $\text{Ga}[\text{TeSi}(\text{SiMe}_3)_3]_3$, $\text{In}[\text{SeC}(\text{SiMe}_3)_3]_3$, $\{\text{In}[\text{SeSi}(\text{SiMe}_3)_3]_3\}_2(\mu\text{-DMPE})$, and $\text{P}[\text{SeSi}(\text{SiMe}_3)_3]_3$. <i>Inorganic Chemistry</i> , 1995, 34, 4854-4861.	1.9	57
66	Ferrocene-Substituted Amidinate Derivatives: Syntheses and Crystal Structures of Lithium, Iron(II), and Cobalt(II) Complexes. <i>Inorganic Chemistry</i> , 1997, 36, 132-133.	1.9	57
67	Metal complexes of Co, Ni and Cu with the pincer ligand $\text{HN}(\text{CH}_2\text{CH}_2\text{PiPr}_2)_2$: preparation, characterization and electrochemistry. <i>Dalton Transactions</i> , 2011, 40, 10397.	1.6	57
68	Synthesis of reactive homoleptic tellurolates of zirconium and hafnium and their conversion to terminal tellurides: a model for the first step in a molecule-to-solid transformation. <i>Journal of the American Chemical Society</i> , 1992, 114, 6240-6242.	6.6	56
69	Synthesis and Characterization of Copper(I) and Silver(I) Tellurolates and Selenolates. The X-ray Crystal Structures of $\{\text{Cu}[\text{SeC}(\text{SiMe}_3)_3]\text{PCy}_3\}_2$ and the Homoleptic Silver Selenolate $\text{Ag}_4[\text{SeC}(\text{SiMe}_3)_3]_4$. <i>Inorganic Chemistry</i> , 1994, 33, 1797-1802.	1.9	56
70	Synthesis, Characterization, and Reactions of Isolable $(\text{I}^2\text{-Diketiminato})\text{niobium(III) Imido Complexes}$. <i>Organometallics</i> , 2010, 29, 5010-5025.	1.1	56
71	Diniobium Inverted Sandwich Complexes with $\text{I}^{1/4}\text{-I}^{6/4}\text{-Arene Ligands}$: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
72	A novel synthetic route to scandium porphyrin derivatives and the first structurally characterized metalloporphyrin- η^5 -cyclopentadienyl sandwich compound. <i>Journal of the American Chemical Society</i> , 1990, 112, 8620-8621.	6.6	54

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73	Formation of Monomeric Terminal Chalcogenides by Template-Induced Disilylchalcogenide Elimination; the Crystal Structures of [ETa{(Me ₃ SiNCH ₂ CH ₂) ₃ N}] (E = Se, Te). <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1450-1452.	4.4	54
74	Unusual activation of H ₂ by reduced cobalt complexes supported by a PNP pincer ligand. <i>Chemical Communications</i> , 2014, 50, 2612.	2.2	54
75	Structural and Electronic Noninnocence of $\hat{\nu}$ -Diimine Ligands on Niobium for Reductive C=Cl Bond Activation and Catalytic Radical Addition Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6494-6505.	6.6	54
76	Preparation of new zirconium benzamidinates: alkyl derivatives and low-valent chemistry yielding metallacycles via coupling of alkynes and ethylene. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3087-3096.	1.1	53
77	Synthesis and characterization of mono $\hat{\nu}$ -diketiminosamarium amides and hydrocarbyls. <i>Dalton Transactions</i> , 2005, , 1387-1393.	1.6	53
78	Activation of White Phosphorus by Low-Valent Group 5 Complexes: Formation and Reactivity of $\langle i \rangle$ cyclo $\langle i \rangle$ -P $\langle sub \rangle 4 \langle /sub \rangle$ Inverted Sandwich Compounds. <i>Journal of the American Chemical Society</i> , 2014, 136, 17652-17661.	6.6	52
79	Early transition metal porphyrins. Synthesis and reactivity of some novel zirconium derivatives and the x-ray crystal structure of the first metalloporphyrin cis-dialkyl: (OEP)Zr(CH ₂ SiMe ₃) ₂ . <i>Journal of the American Chemical Society</i> , 1992, 114, 2266-2267.	6.6	51
80	Synthesis, Structure, and Reactivity of Three-Coordinate Vanadium(III) Chalcogenolates and Vanadium(V) Chalcogenide Chalcogenolates. <i>Inorganic Chemistry</i> , 1996, 35, 5770-5780.	1.9	51
81	Preparation of Complexes Containing TiE, Ti ₂ ($\hat{\nu}$ /4-E) ₂ , and Ti($\hat{\nu}$ -2-E) ₂ (E = O, S) Functionalities from a Reactive Titanium Dinitrogen Complex. <i>Inorganic Chemistry</i> , 1997, 36, 2928-2929.	1.9	51
82	New Lithium Porphyrin Derivatives: Synthesis of Li ₂ (P)(Et ₂ O) ₂ (P = TTP, TBPP) and Solution Structure of Li ₂ (TTP)(Et ₂ O) ₂ by ⁷ Li and ¹⁵ N NMR. <i>Inorganic Chemistry</i> , 1994, 33, 4334-4337.	1.9	50
83	Alkali-metal guanidates: solid-state structural diversity in solvent-free derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3601-3604.	1.1	50
84	Neutral and Cationic Alkyl Tantalum Imido Complexes: $\hat{\nu}$ Synthesis and Migratory Insertion Reactions. <i>Organometallics</i> , 2006, 25, 3394-3406.	1.1	50
85	Lanthanide corroles: a new class of macrocyclic lanthanide complexes. <i>Chemical Communications</i> , 2013, 49, 3104.	2.2	50
86	Preparation and reaction chemistry of trimethylsilyl derivatives of niobium. Redox chemistry of (η -5-C ₅ H ₅) ₂ Nb(SiMe ₃)Cl and x-ray structures of (η -5-C ₅ H ₅) ₂ Nb(SiMe ₃)(η -2-C ₂ H ₄) and [(η -5-C ₅ H ₅) ₂ Nb(CH ₂ SiMe ₃)Cl]PF ₆ . <i>Organometallics</i> , 1987, 6, 473-479.	1.1	49
87	Preparation of stable magnesium, calcium, strontium, and barium tellurolates and the x-ray crystal structures of Mg[TeSi(SiMe ₃) ₃] ₂ (THF) ₂ and Ca[TeSi(SiMe ₃) ₃] ₂ (THF) ₄ . <i>Journal of the American Chemical Society</i> , 1992, 114, 6242-6243.	6.6	49
88	Crystal Packing Forces Dictate $\hat{\nu}$ -1- versus $\hat{\nu}$ -2-Coordination of Benzyl Groups in [Guanidinate]Zr(CH ₂ Ph) ₃ . <i>Organometallics</i> , 2000, 19, 2809-2812.	1.1	49
89	Reactivity of terminal imido complexes of group 4 $\hat{\nu}$ metals: Stoichiometric and catalytic reactions involving cycloaddition with unsaturated organic molecules. <i>Coordination Chemistry Reviews</i> , 2020, 407, 213118.	9.5	49
90	Carbonylation chemistry of the tantalum silyl (η -5-C ₅ Me ₅)Cl ₃ TaSiMe ₃ . Synthesis, characterization, and reaction chemistry of (η -5-C ₅ Me ₅)Cl ₃ Ta(η -2-COSiMe ₃) and derivatives. <i>Journal of the American Chemical Society</i> , 1989, 111, 149-164.	6.6	48

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91	Growth of II-VI thin films from single-source precursors based on sterically encumbered sited ligands. <i>Journal of Crystal Growth</i> , 1992, 124, 647-653.	0.7	48
92	Nitrene Metathesis and Catalytic Nitrene Transfer Promoted by Niobium Bis(imido) Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 52-55.	6.6	48
93	Metalorganic Chemical Vapor Deposition of Semiconducting III/VI In ₂ Se ₃ Thin Films from the Single-Source Precursor: In[SeC(SiMe ₃) ₃] ₃ . <i>Chemistry of Materials</i> , 1995, 7, 2273-2276.	3.2	47
94	Phenoxytriimine complexes of yttrium: synthesis, structure and use in the polymerization of lactide and μ -caprolactone. <i>Dalton Transactions</i> , 2006, , 4155-4163.	1.6	47
95	Reaction of (Bisimido)niobium(V) Complexes with Organic Azides: [3 + 2] Cycloaddition and Reversible Cleavage of β^2 -Diketiminato Ligands Involving Nitrene Transfer. <i>Journal of the American Chemical Society</i> , 2014, 136, 2994-2997.	6.6	47
96	Structural and spectroscopic studies of a rare non-oxido V(κ -scp) complex crystallized from aqueous solution. <i>Chemical Science</i> , 2016, 7, 2775-2786.	3.7	47
97	The Diogene 4 π detector at Saturne. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987, 261, 379-398.	0.7	46
98	Formation of 1:1 complexes of ferrocene-containing salen ligands with Mg, Ti and Zr. <i>Dalton Transactions RSC</i> , 2002, , 555-560.	2.3	46
99	Facile Reduction of a Dialkyl Zirconium(IV) Octaethylporphyrin (OEP) Complex by H ₂ : Crystal Structure and Spectroscopic Characterization of [(OEP)ZrCH ₂ SiMe ₃]. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 95-97.	4.4	45
100	Preparation and characterization of tris(trimethylsilyl)silyl and tris(trimethylsilyl)germyl derivatives of zirconium and hafnium. X-ray crystal structures of (η^5 -C ₅ Me ₅)Cl ₂ HfSi(SiMe ₃) ₃ and (η^5 -C ₅ Me ₅)Cl ₂ HfGe(SiMe ₃) ₃ . <i>Inorganic Chemistry</i> , 1988, 27, 3510-3514.	1.9	44
101	Recent developments in out-of-plane metallocorrole chemistry across the periodic table. <i>Dalton Transactions</i> , 2015, 44, 30-36.	1.6	44
102	Tantalum Porphyrin Chemistry. Synthesis and Reactivity of Organometallic Derivatives and the X-ray Crystal Structure of the Sandwich Compound [Ta(OEP) ₂][TaCl ₆]. <i>Journal of the American Chemical Society</i> , 1994, 116, 9797-9798.	6.6	43
103	Synthesis and Reactivity of Metal Complexes Supported by the Tetradentate Monoanionic Ligand Bis(2-picoyl)(2-hydroxy-3,5-di- <i>tert</i> -butylbenzyl)amide (BPPA). <i>Inorganic Chemistry</i> , 2007, 46, 7199-7209.	1.9	43
104	Group 5 chemistry supported by β^2 -diketiminato ligands. <i>Dalton Transactions</i> , 2016, 45, 15725-15745.	1.6	43
105	Thorium Metallacycle Facilitates Catalytic Alkyne Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2017, 139, 12935-12938.	6.6	43
106	The first structurally characterized alkali metal porphyrin: ⁷ Li NMR behaviour and X-ray crystal structure of the dilithium salt of octaethylporphyrin(2 ⁻). <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 976.	2.0	42
107	Synthesis and Reactivity of Group 4 Homoleptic Selenolates and Tellurolates: A Lewis Base Induced Conversion to Terminal and Bridging Chalcogenides. <i>Inorganic Chemistry</i> , 1996, 35, 2758-2766.	1.9	42
108	Pyrolysis of dimethylhydrazine and its co-pyrolysis with triethylgallium. <i>Journal of Crystal Growth</i> , 2000, 217, 47-54.	0.7	40

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111	First-row transition metal complexes of sterically-hindered amidinates. <i>Dalton Transactions RSC</i> , 2002, , 3454-3461.	2.3	38
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113	Synthesis, structure, and reactivity of Group 4 metallocene tellurolates. X-ray crystal structures of Cp ₂ Zr[TeSi(SiMe ₃) ₃] ₂ , Cp ₂ Ti[TeSi(SiMe ₃) ₃] ₂ , Cp ₂ Zr(.eta.2-COMe)[TeSi(SiMe ₃) ₃], and Cp ₂ Ti[TeSi(SiMe ₃) ₃]PMe ₃ . <i>Journal of the American Chemical Society</i> , 1993, 115, 10545-10552.	6.6	37
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123	Insertion of ethylene into zirconium-silicon and hafnium-silicon bonds. <i>Organometallics</i> , 1989, 8, 2284-2286.	1.1	34
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