

# William J Evans

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2706701/william-j-evans-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

478  
papers

24,434  
citations

82  
h-index

126  
g-index

490  
ext. papers

26,065  
ext. citations

7.5  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
478	Strong exchange and magnetic blocking in N $\cdot$ -radical-bridged lanthanide complexes. <i>Nature Chemistry</i> , <b>2011</b> , 3, 538-42	17.6	889
477	A N $_2$ (3-) radical-bridged terbium complex exhibiting magnetic hysteresis at 14 K. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14236-9	16.4	808
476	The organometallic Chemistry of the lanthanide elements in low oxidation states. <i>Polyhedron</i> , <b>1987</b> , 6, 803-835	2.7	280
475	Chemistry of tris(pentamethylcyclopentadienyl) f-element complexes, (C $_5$ Me $_5$ )( $_3$ )M. <i>Chemical Reviews</i> , <b>2002</b> , 102, 2119-36	68.1	272
474	Isolation and x-ray crystal structure of the first dinitrogen complex of an f-element metal, [(C $_5$ Me $_5$ ) $_2$ Sm]N $_2$ . <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 6877-6879	16.4	244
473	Completing the series of +2 ions for the lanthanide elements: synthesis of molecular complexes of Pr $^{2+}$ , Gd $^{2+}$ , Tb $^{2+}$ , and Lu $^{2+}$ . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9857-68	16.4	234
472	Solution synthesis and crystallographic characterization of the divalent organosamarium complexes (C $_5$ Me $_5$ ) $_2$ Sm(THF) $_2$ and [(C $_5$ Me $_5$ )Sm( $\mu$ -I)(THF) $_2$ ] $_2$ . <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 941-946	16.4	233
471	Dinitrogen reduction by TmII, DyII, and NdII with simple amide and aryloxide ligands. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 10-1	16.4	216
470	The importance of questioning scientific assumptions: some lessons from f element chemistry. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3435-49	5.1	211
469	Synthesis and crystallographic characterization of an unsolvated, monomeric samarium bis(pentamethylcyclopentadienyl) organolanthanide complex, (C $_5$ Me $_5$ ) $_2$ Sm. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 4270-4272	16.4	195
468	Molecular octa-uranium rings with alternating nitride and azide bridges. <i>Science</i> , <b>2005</b> , 309, 1835-8	33.3	194
467	Reactivity of trimethylaluminum with (C $_5$ Me $_5$ ) $_2$ Sm(THF) $_2$ : synthesis, structure, and reactivity of the samarium methyl complexes (C $_5$ Me $_5$ ) $_2$ Sm[( $\mu$ -Me)AlMe $_2$ ( $\mu$ -Me)] $_2$ Sm(C $_5$ Me $_5$ ) $_2$ and (C $_5$ Me $_5$ ) $_2$ SmMe(THF). <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 6423-6432	16.4	183
466	Giant coercivity and high magnetic blocking temperatures for N radical-bridged dilanthanide complexes upon ligand dissociation. <i>Nature Communications</i> , <b>2017</b> , 8, 2144	17.4	181
465	Structure, reactivity, and density functional theory analysis of the six-electron reductant, [(C $_5$ Me $_5$ ) $_2$ U] $_2$ ( $\mu$ - $\eta^6$ : $\eta^6$ -C $_6$ H $_6$ ), synthesized via a new mode of (C $_5$ Me $_5$ ) $_3$ M reactivity. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14533-47	16.4	181
464	Synthesis and x-ray crystal structure of bis(pentamethylcyclopentadienyl) complexes of samarium and europium: (C $_5$ Me $_5$ ) $_2$ Sm and (C $_5$ Me $_5$ ) $_2$ Eu. <i>Organometallics</i> , <b>1986</b> , 5, 1285-1291	3.8	179
463	Perspectives in reductive lanthanide chemistry. <i>Coordination Chemistry Reviews</i> , <b>2000</b> , 206-207, 263-283	23.2	177
462	Investigation of organolanthanide-based carbon-carbon bond formation: synthesis, structure, and coupling reactivity of organolanthanide alkynide complexes, including the unusual structures of the trienediyl complex [(C $_5$ Me $_5$ ) $_2$ Sm] $_2$ ( $\mu$ - $\eta^2$ : $\eta^2$ -Ph(CH $_2$ ) $_2$ C:C:C-(CH $_2$ ) $_2$ Ph) and the unsolvated alkynide [(C $_5$ Me $_5$ ) $_2$ Sm( $\eta^1$ -bond-C $_6$ H $_5$ )] $_2$ . <i>Organometallics</i> , <b>1993</b> , 12, 2616-2633	3.8	177

461	Unsolvated Lanthanide Metallocene Cations [(C5Me5)2Ln][BPh4]: Multiple Syntheses, Structural Characterization, and Reactivity Including the Formation of (C5Me5)3Nd1. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 6745-6752	16.4	172
460	Magnetic susceptibility of uranium complexes. <i>Chemical Reviews</i> , <b>2014</b> , 114, 8865-82	68.1	168
459	Identification of the +2 oxidation state for uranium in a crystalline molecular complex, [K(2.2.2-cryptand)][(C5H4SiMe3)3U]. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13310-3	16.4	166
458	Reactivity of samarium complex [(C5Me5)2Sm( $\mu$ -H)] <sub>2</sub> in ether and arene solvents. X-ray crystal structures of the internally metalated complex (C5Me5)2Sm( $\mu$ -H)( $\mu$ -CH2C5Me4)Sm(C5Me5), the benzyl complex (C5Me5)2Sm(CH2C6H5)(THF), and the siloxide complex	3.8	161
457	Reactivity of (C5Me5)2Sm and related species with alkenes: synthesis and structural characterization of a series of organosamarium allyl complexes. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 2314-2324	16.4	160
456	Synthesis and Structure of the First Molecular Thulium(II) Complex: [TmI <sub>2</sub> (MeOCH <sub>2</sub> CH <sub>2</sub> OMe) <sub>3</sub> ]. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 133-135		159
455	Tutorial on the Role of Cyclopentadienyl Ligands in the Discovery of Molecular Complexes of the Rare-Earth and Actinide Metals in New Oxidation States136 <i>Organometallics</i> , <b>2016</b> , 35, 3088-3100	3.8	153
454	Reductive homologation of carbon monoxide to a ketenecarboxylate by a low-valent organolanthanide complex: synthesis and x-ray crystal structure of [(C5Me5) <sub>4</sub> Sm <sub>2</sub> (O <sub>2</sub> CCCO)(THF)] <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 3728-3730	16.4	152
453	Organometallic Lanthanide Chemistry. <i>Advances in Organometallic Chemistry</i> , <b>1985</b> , 131-177	3.8	150
452	Expanding rare-earth oxidation state chemistry to molecular complexes of holmium(II) and erbium(II). <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8420-3	16.4	149
451	Reaction Chemistry of Sterically Crowded Tris(pentamethylcyclopentadienyl)samarium1. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 9273-9282	16.4	149
450	Synthesis and reactivity of the cationic organosamarium(III) complex [(C5Me5)2Sm(THF) <sub>2</sub> ][BPh <sub>4</sub> ], including the synthesis and structure of a metallocene with an alkoxy-tethered C5Me5 ring, (C5Me5)2Sm[O(CH <sub>2</sub> ) <sub>4</sub> C5Me5](THF). <i>Organometallics</i> , <b>1990</b> , 9, 2124-2130	3.8	149
449	Organolanthanide hydride chemistry. 3. Reactivity of low-valent samarium with unsaturated hydrocarbons leading to a structurally characterized samarium hydride complex. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 1401-1403	16.4	149
448	Synthetic, structural, and reactivity studies of the reduction and carbon monoxide derivatization of azobenzene mediated by divalent lanthanide complexes. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4983-4994	16.4	148
447	Synthesis and x-ray crystal structure of the divalent [bis(trimethylsilyl)amido] samarium complexes [(Me <sub>3</sub> Si) <sub>2</sub> N]2Sm(THF) <sub>2</sub> and {[ (Me <sub>3</sub> Si) <sub>2</sub> N]Sm( $\mu$ -I)(DME)(THF)} <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 575-579	5.1	148
446	Synthesis and crystallographic characterization of a dimeric alkynide-bridged organolanthanide: [(C5H5)2ErC.ident.CC(CH <sub>3</sub> ) <sub>3</sub> ] <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1981</b> , 20, 4115-4119	5.1	148
445	Structural, spectroscopic, and theoretical comparison of traditional vs recently discovered Ln(2+) ions in the [K(2.2.2-cryptand)][(C5H4SiMe3)3Ln] complexes: the variable nature of Dy(2+) and Nd(2+). <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 369-82	16.4	146
444	Synthesis and x-ray crystallographic characterization of an oxo-bridged bimetallic organosamarium complex, [(C5Me5)2Sm] <sub>2</sub> ( $\mu$ -O). <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 405-409	16.4	146

443	Synthesis and x-ray crystal structure of a soluble divalent organosamarium complex. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 6507-6508	16.4	144
442	Expanding dinitrogen reduction chemistry to trivalent lanthanides via the LnZ3/alkali metal reduction system: evaluation of the generality of forming Ln2( $\mu$ - $\eta^2$ : $\eta^2$ -N2) complexes via LnZ3/K. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14574-82	16.4	143
441	Organolanthanide hydride chemistry. 1. Synthesis and x-ray crystallographic characterization of dimeric organolanthanide and organoyttrium hydride complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 2008-2014	16.4	140
440	Organosamarium-Mediated Transformations of CO2 and COS: Monoinsertion and Disproportionation Reactions and the Reductive Coupling of CO2 to [O2CCO2]2-. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 770-776	5.1	139
439	The Availability of Dysprosium Diiodide as a Powerful Reducing Agent in Organic Synthesis: Reactivity Studies and Structural Analysis of Dyl2((DME)3 and Its Naphthalene Reduction Product1. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11749-11750	16.4	126
438	Reactivity of (C5Me5)2Sm with aryl-substituted alkenes: synthesis and structure of a bimetallic styrene complex that contains an $\eta^2$ -arene lanthanide interaction. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 219-223	16.4	125
437	Synthesis of a crystalline molecular complex of Y2+, [(18-crown-6)K][(C5H4SiMe3)3Y]. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15914-7	16.4	124
436	Organolanthanide and organoyttrium hydride chemistry. 5. Improved synthesis of [(C5H4R)2YH(THF)]2 complexes and their reactivity with alkenes, alkynes, 1,2-propadiene, nitriles, and pyridine, including structural characterization of an alkylideneamido product. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 1291-1300	16.4	124
435	A monometallic f element complex of dinitrogen: (C5Me5)3U( $\eta^1$ -N2). <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14264-5	16.4	122
434	Comparative reactivity of sterically crowded nf3 (C5Me5)3Nd and (C5Me5)3U complexes with CO: formation of a nonclassical carbonium ion versus an f element metal carbonyl complex. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 13831-5	16.4	120
433	Synthesis and x-ray crystal structure of the first tris(pentamethylcyclopentadienyl)metal complex: ( $\eta^5$ -C5Me5)3Sm. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 7423-7424	16.4	118
432	Expanding divalent organolanthanide chemistry: the first organothulium(II) complex and the in situ organodysprosium(II) reduction of dinitrogen. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 359-61	16.4	115
431	Reactivity of Decamethylsamarocene with Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2600-2608	16.4	115
430	[(C5Me5)2U][( $\mu$ -Ph)2BPh2] as a four electron reductant. <i>Chemical Communications</i> , <b>2005</b> , 4681-3	5.8	114
429	Synthesis and Comparative $\eta^1$ -Alkyl and Sterically Induced Reduction Reactivity of (C5Me5)3Ln Complexes of La, Ce, Pr, Nd, and Sm. <i>Organometallics</i> , <b>2005</b> , 24, 3916-3931	3.8	113
428	Structural trends in bis(pentamethylcyclopentadienyl)lanthanide and yttrium complexes. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 433, 79-94	2.3	109
427	Reductive coupling of pyridazine and benzaldehyde azine and reduction of bipyridine by samarium complex (C5Me5)2Sm(THF)2. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 3329-3335	16.4	109
426	Synthesis and structure of the polymetallic yttrium alkoxide complex Y3( $\mu$ -OCMe3)( $\mu$ -3-Cl)( $\mu$ -OCMe3)3(OCMe3)4(THF)2 and related complexes: Ln3( $\mu$ -3-OR)( $\mu$ -3-X)( $\mu$ -OR)3 building blocks in yttrium and lanthanide alkoxide chemistry. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 1841-1850	16.4	108

- 425 Organolanthanide and organoyttrium hydride chemistry. 7. Reaction of the samarium-hydrogen bond in the organosamarium hydride  $[(C_5Me_5)_2SmH]_2$  with carbon monoxide: formation, isomerization, and x-ray crystallographic characterization of the samarium complexes cis- and trans- $\{(C_5Me_5)_2[(C_6H_5)_3PO]Sm\}_2(\mu-OCH:CHO)$ . *Journal of the American Chemical Society*, **1985**, 16.4 108
- 424 Facile dinitrogen reduction via organometallic Tm(II) chemistry. *Journal of the American Chemical Society*, **2001**, 123, 7927-8 16.4 106
- 423 Expanding the chemistry of U<sup>3+</sup> reducing agents. *Coordination Chemistry Reviews*, **2006**, 250, 911-935 23.2 105
- 422 Reduction of dinitrogen to planar bimetallic  $M_2(\mu-\eta^2:\eta^2-N_2)$  complexes of Y, Ho, Tm, and Lu using the K/Ln[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>3</sub> reduction system. *Journal of the American Chemical Society*, **2004**, 126, 454-516.4 104
- 421 Synthetic and structural studies of a series of soluble cerium(IV) alkoxide and alkoxide nitrate complexes. *Inorganic Chemistry*, **1989**, 28, 4027-4034 5.1 104
- 420 Paramagnetism in organolanthanide complexes. *Journal of Organometallic Chemistry*, **1987**, 326, 299-306.3 103
- 419 Activity of [Sm(C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>] in Ethylene Polymerization and Synthesis of [U(C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>], the First Tris(pentamethylcyclopentadienyl) 5f-Element Complex. *Angewandte Chemie International Edition in English*, **1997**, 36, 774-776 102
- 418 Synthesis of heteroleptic uranium ( $\mu-\eta^6:\eta^6-C_6H_6$ )<sub>2</sub>- sandwich complexes via facile displacement of ( $\eta^5-C_5Me_5$ )<sub>1</sub>- by ligands of lower hapticity and their conversion to heteroleptic bis(imido) compounds. *Journal of the American Chemical Society*, **2009**, 131, 17473-81 16.4 101
- 417 Isolation of dysprosium and yttrium complexes of a three-electron reduction product in the activation of dinitrogen, the (N<sub>2</sub>)<sub>3</sub><sup>-</sup> radical. *Journal of the American Chemical Society*, **2009**, 131, 11195-202.4 99
- 416 Synthetic utility of  $[(C_5Me_5)_2Ln][(\mu-Ph)_2BPh]$  in accessing  $[(C_5Me_5)_2LnR]_x$  unsolvated alkyl lanthanide metallocenes, complexes with high C-H activation reactivity. *Journal of the American Chemical Society*, **2005**, 127, 3894-909 16.4 99
- 415 Coordination Chemistry of Samarium Diiodide with Ethers Including the Crystal Structure of Tetrahydrofuran-Solvated Samarium Diiodide, SmI<sub>2</sub>(THF)<sub>5</sub>. *Journal of the American Chemical Society*, **1995**, 117, 8999-9002 16.4 99
- 414 Actinide Hydride Complexes as Multielectron Reductants: Analogous Reduction Chemistry from  $[(C_5Me_5)_2UH]_2$ ,  $[(C_5Me_5)_2UH_2]_2$ , and  $[(C_5Me_5)_2ThH_2]_2$ . *Organometallics*, **2007**, 26, 3568-3576 3.8 98
- 413 Organolanthanide and organoyttrium enolate chemistry. Synthesis of  $[(C_5H_4R)_2Ln(\mu-OCH:CH_2)]_2$  complexes and the molecular structure of  $[(CH_3C_5H_4)_2Y(\mu-OCH:CH_2)]_2$ . *Organometallics*, **1986**, 5, 1291-1296 3.8 98
- 412 Reactivity of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm with cyclopentadiene and cyclopentadienide: isolation of the mixed-valence complex (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(III)( $\mu-C_5H_5$ )Sm(II)(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>. *Journal of the American Chemical Society*, **1987**, 109, 4292-4297 16.4 96
- 411 Synthesis and x-ray crystal structure of di(pentamethylcyclopentadienyl)lanthanide and yttrium halide complexes. *Inorganic Chemistry*, **1986**, 25, 3614-3619 5.1 96
- 410 Trivalent  $[(C_5Me_5)_2(THF)Ln]_2(\mu-\eta^2:\eta^2-N_2)$  complexes as reducing agents including the reductive homologation of CO to a ketene carboxylate, ( $\mu-\eta^4-O_2C-C=C=O$ )<sub>2</sub><sup>-</sup>. *Journal of the American Chemical Society*, **2006**, 128, 14176-84 16.4 93
- 409 Lanthanide Carboxylate Precursors for Diene Polymerization Catalysis: Syntheses, Structures, and Reactivity with Et<sub>2</sub>AlCl. *Organometallics*, **2001**, 20, 5751-5758 3.8 90
- 408 Metal vapor synthesis of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(THF)<sub>2</sub> and (C<sub>5</sub>Me<sub>4</sub>Et)<sub>2</sub>Sm(THF)<sub>2</sub> and their reactivity with organomercurial reagents. Synthesis and x-ray structural analysis of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(C<sub>6</sub>H<sub>5</sub>)(THF). *Organometallics*, **1985**, 4, 112-119 3.8 90

407	Synthesis, structure, and reactivity of crystalline molecular complexes of the $\{[\text{CH}(\text{SiMe})]\text{Th}\}$ anion containing thorium in the formal +2 oxidation state. <i>Chemical Science</i> , <b>2015</b> , 6, 517-521	9.4	89
406	Insertion of Carbodiimides and Organic Azides into Actinide-Carbon Bonds. <i>Organometallics</i> , <b>2009</b> , 28, 3350-3357	3.8	89
405	Total body skeletal muscle mass: estimation by creatine (methyl-d3) dilution in humans. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 1605-13	3.7	88
404	C-H bond activation through steric crowding of normally inert ligands in the sterically crowded gadolinium and yttrium $(\text{C}_5\text{Me}_5)_3\text{M}$ complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12678-83	11.5	88
403	Multiple Syntheses of $(\text{C}_5\text{Me}_5)_3\text{U}$ . <i>Organometallics</i> , <b>2002</b> , 21, 1050-1055	3.8	88
402	Identification of the Formal +2 Oxidation State of Plutonium: Synthesis and Characterization of $\{\text{Pu}[\text{CH}(\text{SiMe})]\}$ . <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3970-3973	16.4	87
401	Importance of energy level matching for bonding in $\text{Th}(3+)\text{-Am}(3+)\text{ actinide metallocene amidinates, } (\text{C}_5\text{Me}_5)_2[(i)\text{PrNC}(\text{Me})\text{N}(i)\text{Pr}]\text{An}$ . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10007-12	5.1	87
400	The expansion of divalent organolanthanide reduction chemistry via new molecular divalent complexes and sterically induced reduction reactivity of trivalent complexes. <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 647, 2-11	2.3	86
399	Utility of Organosamarium(II) Reagents in the Formation of Polyatomic Group 16 Element Anions: Synthesis and Structure of $[(\text{C}_5\text{Me}_5)_2\text{Sm}]_2(\text{E}_3)(\text{THF})$ , $[(\text{C}_5\text{Me}_5)_2\text{Sm}(\text{THF})]_2(\text{E})$ , and Related Species ( $\text{E} = \text{S}, \text{Se}, \text{Te}$ ). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 2719-2726	5.1	84
398	Organolanthanide and organoyttrium hydride chemistry. Part 8. Structure and reactivity studies of bis(cyclopentadienyl)ytterbium and yttrium alkyl complexes including the x-ray crystal structure of $(\text{C}_5\text{H}_5)_2\text{Yb}(\text{CH}_3)(\text{THF})$ . <i>Organometallics</i> , <b>1986</b> , 5, 263-270	3.8	84
397	Structural Diversity in Solvated Lanthanide Halide Complexes. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 576-585	5.1	83
396	Record High Single-Ion Magnetic Moments Through $4f(n)5d(1)$ Electron Configurations in the Divalent Lanthanide Complexes $[(\text{C}_5\text{H}_4\text{SiMe}_3)_3\text{Ln}]?$ . <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9855-60	16.4	82
395	Double deprotonation of a cyclopentadienyl alkene to form a polydentate trianionic cyclopentadienyl allyl ligand system. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7711-2	16.4	82
394	Synthesis of organosamarium complexes containing samarium-carbon and samarium-phosphorus bonds. Crystallographic characterization of $[(\text{MeC}_5\text{H}_4)_2\text{SmC.tplbond.CCMe}_3]_2$ . <i>Organometallics</i> , <b>1983</b> , 2, 709-714	3.8	79
393	Synthesis and x-ray crystallographic characterization of an asymmetric organoyttrium halide dimer: $(\text{C}_5\text{Me}_5)_2\text{Y}(\mu\text{-Cl})\text{YCl}(\text{C}_5\text{Me}_5)_2$ . <i>Organometallics</i> , <b>1985</b> , 4, 554-559	3.8	79
392	Organolanthanide hydride chemistry. 2. Synthesis and x-ray crystallographic characterization of a trimetallic organolanthanide polyhydride complex. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 2015-2017	16.4	79
391	Analysis of uranium azide and nitride complexes by atmospheric pressure chemical ionization mass spectrometry. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8008-18	5.1	77
390	Bent vs Linear Metallocenes Involving $\text{C}_5\text{Me}_5$ vs $\text{C}_8\text{H}_8$ Ligands: Synthesis, Structure, and Reactivity of the Triple-Decked $(\text{C}_5\text{Me}_5)(\text{THF})_x\text{Sm}(\text{C}_8\text{H}_8)\text{Sm}(\text{THF})_x(\text{C}_5\text{Me}_5)$ ( $x = 0, 1$ ) Complexes Including a Formal Two-Electron Oxidative Addition to a Single Lanthanide Metal Center <sup>1</sup> . <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 9555-9563	16.4	77

- 389 Influence of an inner-sphere K<sup>+</sup> ion on the magnetic behavior of N<sub>2</sub>(3-) radical-bridged dilanthanide complexes isolated using an external magnetic field. *Inorganic Chemistry*, **2014**, 53, 3099-107 5.1 76
- 388 Utility of Arylamido Ligands in Yttrium and Lanthanide Chemistry(1). *Inorganic Chemistry*, **1996**, 35, 5435-5444 76
- 387 Reactivity of Y<sub>3</sub>(OR)<sub>7</sub>Cl<sub>2</sub>(THF)<sub>2</sub> with organoaluminum reagents: formation of the yttrium-aluminum complexes Y(OR)<sub>3</sub>(AlMe<sub>3</sub>)<sub>3</sub>, Y(OR)<sub>3</sub>(AlMe<sub>3</sub>)<sub>2</sub>(THF), and Y(OR)<sub>3</sub>(AlMe<sub>2</sub>)Cl(THF)<sub>2</sub> and the halides YCl<sub>3</sub>(DME)<sub>2</sub> and YCl<sub>3</sub>(THF)<sub>3</sub>Y<sub>3</sub>(OR)<sub>7</sub>O (R = CMe<sub>3</sub>). *Journal of the American Chemical Society*, **1993**, 115, 5084-5092 16.4 76
- 386 Formation of bimetallic, trimetallic, and pentametallic yttrium methoxide and methoxide oxide complexes from reactions of alkali-metal methoxides with bis(cyclopentadienyl)yttrium chloride. *Inorganic Chemistry*, **1992**, 31, 2492-2501 5.1 75
- 385 Facile bismuth-oxygen bond cleavage, C-H activation, and formation of a monodentate carbon-bound oxyaryl dianion, (C<sub>6</sub>H<sub>4</sub>)Bu<sub>2</sub>B,5-O-4)<sup>2-</sup>. *Journal of the American Chemical Society*, **2011**, 133, 5244-7 16.4 74
- 384 Recent advances in f element reduction chemistry. *Journal of Organometallic Chemistry*, **2002**, 652, 61-68.3 74
- 383 How Much Steric Crowding Is Possible in Tris(β-pentamethylcyclopentadienyl) Complexes? Synthesis and Structure of (C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>UCl and (C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>UF<sub>1</sub>. *Journal of the American Chemical Society*, **2000**, 122, 12019-12020 16.4 74
- 382 Field Desorption Mass Spectrometry Studies of the Samarium-Catalyzed Polymerization of Ethylene under Hydrogen. *Macromolecules*, **1995**, 28, 7929-7936 5.5 74
- 381 Synthetic and structural studies on the formation of a tetradecametallic yttrium oxide alkoxide chloride complex: an example of how molecular yttrium oxygen frameworks form extended arrays. *Inorganic Chemistry*, **1988**, 27, 4417-4423 5.1 74
- 380 Tethered olefin studies of alkene versus tetraphenylborate coordination and lanthanide olefin interactions in metallocenes. *Journal of the American Chemical Society*, **2003**, 125, 5204-12 16.4 72
- 379 CO<sub>2</sub> Insertion Chemistry as a Probe of Organosamarium Allyl Reactivity. *Organometallics*, **1998**, 17, 2103-2112 72
- 378 Structural diversity of bis(pentamethylcyclopentadienyl)lanthanide halide complexes: x-ray crystal structures of [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>SmCl]<sub>3</sub> and (C<sub>5</sub>Me<sub>5</sub>)<sub>10</sub>Sm<sub>5</sub>Cl<sub>5</sub>[Me(OCH<sub>2</sub>CH<sub>2</sub>)<sub>4</sub>OMe]. *Journal of the American Chemical Society*, **1987**, 109, 3928-3936 16.4 72
- 377 Bis(pentamethylcyclopentadienyl) U(III) oxide and U(IV) oxide carbene complexes. *Polyhedron*, **2004**, 23, 2689-2694 2.7 71
- 376 Formal Three-Electron Reduction by an f-Element Complex: Formation of [(C<sub>5</sub>Me<sub>5</sub>)(C<sub>8</sub>H<sub>8</sub>)U]<sub>2</sub>(C<sub>8</sub>H<sub>8</sub>) from Cyclooctatetraene and [(C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>U]. *Angewandte Chemie - International Edition*, **2000**, 39, 240-242 16.4 71
- 375 Reactivity of isocyanides with (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(THF)<sub>2</sub>: synthesis and structure of trimeric [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(CNC<sub>6</sub>H<sub>11</sub>)(μ-CN)]<sub>3</sub>. *Organometallics*, **1988**, 7, 797-802 3.8 71
- 374 A crystallizable f-element tuck-in complex: the tuck-in tuck-over uranium metallocene [(C<sub>5</sub>Me<sub>5</sub>)U{μ-η(5):η(1):η(1)-C<sub>5</sub>Me<sub>3</sub>(CH<sub>2</sub>)<sub>2</sub>}(μ-H)<sub>2</sub>U(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>]. *Angewandte Chemie - International Edition*, **2008**, 47, 5075-8 16.4 70
- 373 Reactivity of lanthanide metals with unsaturated hydrocarbons: terminal alkyne reactions. *Journal of the American Chemical Society*, **1981**, 103, 6672-6677 16.4 69
- 372 Synthesis, structure, and magnetism of an f element nitrosyl complex, (C<sub>5</sub>Me<sub>4</sub>H)<sub>3</sub>UNO. *Journal of the American Chemical Society*, **2012**, 134, 1243-9 16.4 68

- 371 Expanding the LnZ(3)/alkali-metal reduction system to organometallic and heteroleptic precursors: formation of dinitrogen derivatives of lanthanum. *Angewandte Chemie - International Edition*, **2004**, 43, 5517-9 16.4 68
- 370 Lanthanide Metallocene Reactivity with Dialkyl Aluminum Chlorides: Modeling Reactions Used to Generate Isoprene Polymerization Catalysts. *Organometallics*, **2005**, 24, 570-579 3.8 67
- 369 Carbon-carbon bond formation by coupling of two phenylethynyl ligands in an organolanthanide system. *Organometallics*, **1990**, 9, 2628-2631 3.8 66
- 368 Synthesis and x-ray crystal structure of a soluble pentametallc organoyttrium alkoxide oxide complex, (C<sub>5</sub>H<sub>5</sub>)<sub>5</sub>Y<sub>5</sub>(μ-OCH<sub>3</sub>)<sub>4</sub>(μ<sub>5</sub>-O). *Journal of the American Chemical Society*, **1986**, 108, 6095-6 16.4 66
- 367 Reductive distortion of azobenzene by an organosamarium(II) reagent to form [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm]<sub>2</sub>(C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>N<sub>2</sub>: an x-ray crystallographic snapshot of an agostic hydrogen complex on an ortho-metalation reaction coordinate. *Organometallics*, **1986**, 5, 2389-2391 3.8 66
- 366 Organosamarium-mediated synthesis of bismuth-bismuth bonds: x-ray crystal structure of the first dibismuth complex containing a planar M<sub>2</sub>(μ<sub>2</sub>-η<sup>2</sup>:η<sup>2</sup>-Bi<sub>2</sub>) unit. *Journal of the American Chemical Society*, **1991**, 113, 9880-9882 16.4 65
- 365 Organolanthanide and organoyttrium hydride chemistry. 9. Bis(1,3-dimethylcyclopentadienyl)yttrium complexes. Synthesis and x-ray crystallographic characterization of [(1,3-Me<sub>2</sub>C<sub>5</sub>H<sub>3</sub>)<sub>2</sub>Y(μ-Me)]<sub>2</sub>, [(1,3-Me<sub>2</sub>C<sub>5</sub>H<sub>3</sub>)<sub>2</sub>Y(μ-H)]<sub>3</sub>, and [(1,3-Me<sub>2</sub>C<sub>5</sub>H<sub>3</sub>)<sub>2</sub>(THF)Y(μ-H)]<sub>2</sub>. *Organometallics*, **1987**, 6, 2279-2285 3.8 65
- 364 The Elusive (C<sub>5</sub>Me<sub>4</sub>H)<sub>3</sub>Lu: Its Synthesis and LnZ<sub>3</sub>/K/N<sub>2</sub> Reactivity. *Organometallics*, **2005**, 24, 6393-6397 3.8 64
- 363 Insertion of two carbon monoxide moieties into an alkene double bond to form a RCH:C(O)C(O):CHR<sub>2</sub>- unit via organosamarium activation. *Journal of the American Chemical Society*, **1988**, 110, 2772-2774 16.4 64
- 362 Synthesis of the (N<sub>2</sub>)<sub>3</sub>- radical from Y<sup>2+</sup> and its protonolysis reactivity to form (N<sub>2</sub>H<sub>2</sub>)<sub>2</sub>- via the Y[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>3</sub>/K<sup>+</sup>/C<sub>8</sub> reduction system. *Journal of the American Chemical Society*, **2011**, 133, 3784-7 16.4 63
- 361 Synthesis, structure, and <sup>15</sup>N NMR studies of paramagnetic lanthanide complexes obtained by reduction of dinitrogen. *Inorganic Chemistry*, **2006**, 45, 10790-8 5.1 63
- 360 Synthesis and thermal decomposition of homoleptic tert-butyl lanthanide complexes. *Journal of the American Chemical Society*, **1978**, 100, 7119-7121 16.4 63
- 359 Heteroleptic and heterometallic divalent lanthanide bis(trimethylsilyl)amide complexes: mixed ligand, inverse sandwich, and alkali metal derivatives. *Polyhedron*, **2001**, 20, 2483-2490 2.7 62
- 358 Reactivity of the europium hexafluoroacetylacetonate (hfac) complex, Eu(hfac)<sub>3</sub>(diglyme), and related analogs with potassium: formation of the fluoride hfac<sup>-</sup>Be<sup>+</sup> complexes, [LnF(hfac)<sub>3</sub>K(diglyme)]<sub>2</sub>. *Dalton Transactions RSC*, **2002**, 520-526 62
- 357 Solution Synthesis, Structure, and CO Reduction Reactivity of a Scandium(II) Complex, {Sc[N(SiMe<sub>3</sub>)<sub>2</sub>]}<sub>2</sub>. *Angewandte Chemie - International Edition*, **2017**, 56, 2050-2053 16.4 61
- 356 Covalency in Americium(III) Hexachloride. *Journal of the American Chemical Society*, **2017**, 139, 8667-8671 16.4 61
- 355 Synthesis and reactivity of bis(trimethylsilyl)cyclopentadienyl samarium complexes including the X-ray crystal structure of [(Me<sub>3</sub>Si)<sub>2</sub>C<sub>5</sub>H<sub>3</sub>]<sub>3</sub>Sm. *Journal of Organometallic Chemistry*, **1990**, 394, 87-97 2.3 61
- 354 X-Ray crystallographic determination of the structure of bis(methyl-cyclopentadienyl)ytterbium tetrahydrofuranate and its ready formation by four new routes. *Journal of the Chemical Society Chemical Communications*, **1980**, 810 61

- 353 Organolanthanide-based synthesis of 1,2,3-triazoles from nitriles and diazo compounds. *Journal of the American Chemical Society*, **2008**, 130, 16-7 16.4 60
- 352 Formation of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>U(EPh)Me, (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>U(EPh)<sub>2</sub>, and (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>U(η<sup>2</sup>-TeC<sub>6</sub>H<sub>4</sub>) from (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>UMe<sub>2</sub> and PhEPh (E = S, Se, Te). *Organometallics*, **2007**, 26, 4287-4293 3.8 60
- 351 Synthesis and structure of tris(alkyl- and silyl-tetramethylcyclopentadienyl) complexes of lanthanum. *Inorganic Chemistry*, **2001**, 40, 6341-8 5.1 60
- 350 Synthesis and x-ray crystal structure of a heterobimetallic ethyl-bridged organoaluminum complex: (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(μ-C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>Al(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>. *Journal of the American Chemical Society*, **1987**, 109, 7209-7211 16.4 60
- 349 Facile stereospecific synthesis of a dihydroxyindenoindene unit from an alkyne and carbon monoxide via samarium-mediated carbon monoxide and CH activation. *Journal of the American Chemical Society*, **1986**, 108, 1722-1723 16.4 60
- 348 Samarium-mediated functionalization of N:N bonds: Double insertion of carbon monoxide into the N:N bond of azobenzene. *Journal of the American Chemical Society*, **1986**, 108, 7440-7441 16.4 60
- 347 Synthesis and Reactivity of Organosamarium Diarylpnictide Complexes: Cleavage Reactions of Group 15 E-E and E-C Bonds by Samarium(II). *Inorganic Chemistry*, **1996**, 35, 4283-4291 5.1 59
- 346 Organolanthanide and organoyttrium hydride chemistry. 6. Direct synthesis and proton NMR spectral analysis of the trimetallic yttrium and yttrium-zirconium tetrahydride complexes, {[C<sub>5</sub>H<sub>5</sub>]<sub>2</sub>YH[3H]}{Li(THF)<sub>4</sub>} and {[C<sub>5</sub>H<sub>5</sub>]<sub>2</sub>YH[2H]}{ZrH[3H]}]. *Journal of the American Chemical Society*, **1997**, 119, 1174-1178 16.4 59
- 345 (N<sub>2</sub>)<sub>3</sub>- radical chemistry via trivalent lanthanide salt/alkali metal reduction of dinitrogen: new syntheses and examples of (N<sub>2</sub>)<sub>2</sub>- and (N<sub>2</sub>)<sub>3</sub>- complexes and density functional theory comparisons of closed shell Sc<sup>3+</sup>, Y<sup>3+</sup>, and Lu<sup>3+</sup> versus 4f(9) Dy<sup>3+</sup>. *Inorganic Chemistry*, **2011**, 50, 1459-69 5.1 58
- 344 Multi-electron reduction from alkyl/hydride ligand combinations in U<sup>4+</sup> complexes. *Journal of the American Chemical Society*, **2008**, 130, 12258-9 16.4 58
- 343 Synthesis and Structure of a Thermally Stable, Nonclassical, 7-Norbornadienyl Carbocation Obtained from (C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>Sm and CO. *Journal of the American Chemical Society*, **1995**, 117, 12635-12636 16.4 58
- 342 Utility of the 2,6-dimethylphenoxide ligand in providing chloride- and oxide-free yttrium [Y(OR)<sub>3</sub>(solvent)<sub>a</sub>]<sub>b</sub> complexes with accessible coordination sites. *Inorganic Chemistry*, **1989**, 28, 4308-4309 5.1 58
- 341 Expanding the Chemistry of Molecular U(2+) Complexes: Synthesis, Characterization, and Reactivity of the {[C<sub>5</sub>H<sub>3</sub>(SiMe<sub>3</sub>)<sub>2</sub>]<sub>3</sub>U}(-) Anion. *Chemistry - A European Journal*, **2016**, 22, 772-82 4.8 58
- 340 Comparisons of lanthanide/actinide +2 ions in a tris(aryloxo)arene coordination environment. *Chemical Science*, **2017**, 8, 7424-7433 9.4 57
- 339 Isolation of a radical dianion of nitrogen oxide (NO)<sub>2</sub><sup>2-</sup>. *Nature Chemistry*, **2010**, 2, 644-7 17.6 57
- 338 Trialkylboron/lanthanide metallocene hydride chemistry: polydentate bridging of (HBEt<sub>3</sub>)- to lanthanum. *Inorganic Chemistry*, **2005**, 44, 5820-5 5.1 57
- 337 Synthesis and first X-ray crystal structure of a Bi(OR)<sub>3</sub> complex: tris(2,6-dimethylphenoxo)bismuth. *Journal of the Chemical Society Chemical Communications*, **1989**, 1628 57
- 336 Identification of the Formal +2 Oxidation State of Neptunium: Synthesis and Structural Characterization of {Np[CH(SiMe)<sub>3</sub>]}<sub>2</sub>. *Journal of the American Chemical Society*, **2018**, 140, 7425-7428 16.4 56

- 335 Insertion Reactivity of CO<sub>2</sub>, PhNCO, Me<sub>3</sub>CC≡N, and Me<sub>3</sub>CN≡C with the Uranium-Alkynyl Bonds in (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>U(C≡CPh)<sub>2</sub>. *Organometallics*, **2010**, 29, 945-950 3.8 56
- 334 Synthesis, structure, and density functional theory analysis of a scandium dinitrogen complex, [(C(5)Me(4)H)(2)Sc](2)(mu-eta(2):eta(2)-N(2)). *Journal of the American Chemical Society*, **2010**, 132, 11151-11158 16.4 54
- 333 Ketone Coupling with Alkyl Iodides, Bromides, and Chlorides Using Thulium Diiodide: A More Powerful Version of SmI<sub>2</sub>(THF)<sub>x</sub>/HMPA. *Journal of the American Chemical Society*, **2000**, 122, 2118-2119 16.4 54
- 332 A comparative synthetic and structural study of triphenylmethoxide and triphenylsiloxide complexes of the early lanthanides, including x-ray crystal structures of La<sub>2</sub>(OCPh<sub>3</sub>)<sub>6</sub> and Ce<sub>2</sub>(OSiPh<sub>3</sub>)<sub>6</sub>. *Inorganic Chemistry*, **1991**, 30, 4963-4968 5.1 54
- 331 Organolanthanoid activation of carbon monoxide: single and multiple insertion of CO into t-butyl lanthanoid bonds; X-ray crystallographic identification of a new bonding mode for a bridging enedione diolate ligand formed by formal coupling of four CO molecules. *Journal of the Chemical Society Chemical Communications*, **1981**, 706 54
- 330 Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). *Inorganic Chemistry*, **2016**, 55, 10057-10067 5.1 54
- 329 Synthesis and Reactivity of Mono(pentamethylcyclopentadienyl) Tetraphenylborate Lanthanide Complexes of Ytterbium and Samarium: Tris(ring) Precursors to (C<sub>5</sub>Me<sub>5</sub>)<sub>n</sub> Moieties. *Organometallics*, **2007**, 26, 1204-1211 3.8 52
- 328 Early developments in lanthanide-based dinitrogen reduction chemistry. *Canadian Journal of Chemistry*, **2005**, 83, 375-384 0.9 52
- 327 Reactivity of "Eu(OiPr)<sub>2</sub>" with phenols: formation of linear Eu<sub>3</sub>, square pyramidal Eu<sub>5</sub>, cubic Eu<sub>8</sub>, and capped cubic Eu<sub>9</sub> polymetallic europium complexes. *Inorganic Chemistry*, **2000**, 39, 3213-20 5.1 52
- 326 Synthesis, Structure, and Reactivity of Unsolvated Triple-Decked Bent Metallocenes of Divalent Europium and Ytterbium. *Organometallics*, **1999**, 18, 1460-1464 3.8 52
- 325 Reactivity of hydrazines with organometallic samarium complexes and the x-ray crystal structures of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(.eta.<sup>2</sup>-PhNHNPh)(THF), (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(NHPh)(THF), and [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm]<sub>2</sub>(.mu.-.eta.<sup>2</sup>:.eta.<sup>2</sup>-HNNH). *Inorganic Chemistry*, **1992**, 31, 3592-3600 5.1 52
- 324 Synthesis of yttrium and lanthanide silyloxy complexes from anhydrous nitrate and oxo alkoxide precursors and the x-ray crystal structure of [Ce(OSiPh<sub>3</sub>)<sub>3</sub>(THF)<sub>3</sub>](THF). *Inorganic Chemistry*, **1990**, 29, 420-424 5.1 52
- 323 Organolanthanide and organoyttrium hydride chemistry. 4. Reaction of isocyanides with [(C<sub>5</sub>H<sub>4</sub>R)<sub>2</sub>YH(THF)]<sub>2</sub> to form a structurally characterized N-alkylformimidoyl complex. *Organometallics*, **1983**, 2, 1252-1254 3.8 52
- 322 Synthesis of (O<sub>2</sub>CPh)<sub>1</sub>- ligands (E = S, Se) by CO<sub>2</sub> insertion into lanthanide chalcogen bonds and their utility in forming crystallographically characterizable organoaluminum complexes [Me<sub>2</sub>Al(mu-O<sub>2</sub>CPh)]<sub>2</sub>. *Inorganic Chemistry*, **2006**, 45, 424-9 5.1 51
- 321 Evaluation of a Silylene Divalent Lanthanide Interaction in the Metallocene Complex (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm[SiNtBuCHCHNtBu]. *Organometallics*, **2003**, 22, 1160-1163 3.8 51
- 320 Synthesis, Structure, and Magnetism of Tris(amide) [Ln{N(SiMe<sub>3</sub>)<sub>3</sub>}]<sub>3</sub> Complexes of the Non-traditional +2 Lanthanide Ions. *Chemistry - A European Journal*, **2018**, 24, 7702-7709 4.8 50
- 319 Investigating metal size effects in the Ln<sub>2</sub>(mu-eta<sup>2</sup>:eta<sup>2</sup>-N<sub>2</sub>) reduction system: reductive reactivity with complexes of the largest and smallest trivalent lanthanide ions, La<sup>3+</sup> and Lu<sup>3+</sup>. *Inorganic Chemistry*, **2009**, 48, 2001-9 5.1 50
- 318 Reactivity of (C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>LaL(x) complexes: synthesis of a tris(pentamethylcyclopentadienyl) complex with two additional ligands, (C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>La(NCCMe<sub>3</sub>)<sub>2</sub>. *Journal of the American Chemical Society*, **2009**, 131, 2678-86 16.4 50

- 317 Reductive reactivity of the organolanthanide hydrides,  $[(C_5Me_5)_2LnH]_x$ , leads to ansa-allyl cyclopentadienyl (eta(5)-C<sub>5</sub>Me<sub>4</sub>CH<sub>2</sub>-C<sub>5</sub>Me<sub>4</sub>CH<sub>2</sub>-eta(3))<sup>2-</sup>- and trianionic cyclooctatetraenyl (C<sub>8</sub>H<sub>7</sub>)<sup>3-</sup> ligands. *Journal of the American Chemical Society*, **2008**, 130, 8555-63 16.4 50
- 316 Organolutetium vinyl and tuck-over complexes via C-H bond activation. *Journal of the American Chemical Society*, **2006**, 128, 14270-1 16.4 50
- 315 The Use of Heterometallic Bridging Moieties To Generate Tractable Lanthanide Complexes of Small Ligands. *Angewandte Chemie International Edition in English*, **1994**, 33, 1641-1644 50
- 314 Structural diversity in bis(pentamethylcyclopentadienyl)yttrium chloride complexes: cocrystallization of  $[(C_5Me_5)_2Y(\mu-Cl)_2Li(THF)_2]$  and  $[(C_5Me_5)_2YCl(\mu-Cl)Li(THF)_3]$ . *Inorganic Chemistry*, **1992**, 31, 1120-1122 5.1 50
- 313 Reversible opening and closing of hetero trimetallic units in (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>Y(THF)Re<sub>2</sub>H<sub>7</sub>(PMe<sub>2</sub>Ph)<sub>4</sub> and (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>LuRe<sub>2</sub>H<sub>7</sub>(PMe<sub>2</sub>Ph)<sub>4</sub>. *Journal of the American Chemical Society*, **1990**, 112, 5674-5676 16.4 50
- 312 Organolanthanide and organoyttrium hydride chemistry. 10. Reactivity of trimetallic organoyttrium hydride complexes. Synthesis of the alkoxy hydride anions  $[(C_5H_5)_2Y(\mu-H)]_x[(C_5H_5)_2Y(\mu-OCH_3)]_{3-x}(\mu-3-H)^-$  (x = 0-2), including the x-ray crystal structure of  $[(C_5H_5)_2Y(\mu-H)]_2[(C_5H_5)_2Y(\mu-OCH_3)]_1(\mu-3-H)^-$ . *Journal of the American Chemical Society*, **1990**, 112, 5677-5682 16.4 50
- 311 Heteroleptic t-butyl lanthanoid complexes: synthesis and X-ray crystal structure of monomeric bis(cyclopentadienyl)(t-butyl)lutetium tetrahydrofuranate. *Journal of the Chemical Society Chemical Communications*, **1981**, 292 50
- 310 Actinide Metallocene Hydride Chemistry: C-H Activation in Tetramethylcyclopentadienyl Ligands to Form  $[B-C_5Me_3H(CH_2)C]_2$  Tuck-over Ligands in a Tetrathorium Octahydride Complex. *Organometallics*, **2013**, 32, 6522-6531 3.8 49
- 309 Synthesis and x-ray crystal structure of  $(\mu_2, \eta^2-N)$ -alkylformimidoyl complexes of erbium and yttrium: a structural comparison. *Organometallics*, **1987**, 6, 295-301 3.8 49
- 308 Synthesis and structure of an organosamarium aryloxide complex, (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(OC<sub>6</sub>HMe<sub>4</sub>-2,3,5,6). *Inorganica Chimica Acta*, **1985**, 110, 191-195 2.7 49
- 307 Bismuth coordination chemistry with allyl, alkoxide, aryloxide, and tetraphenylborate ligands and the  $\{[2,6-(Me_2NCH_2)_2C_6H_3]_2Bi\}^+$  cation. *Inorganic Chemistry*, **2011**, 50, 1513-20 5.1 48
- 306 Neutron Diffraction Study of  $[Nd(AlMe)_2]_{0.5}AlMe$  at 100 K: The First Detailed Look at a Bridging Methyl Group with a Trigonal-Bipyramidal Carbon Atom. *Angewandte Chemie - International Edition*, **1998**, 37, 1268-1270 16.4 48
- 305 Synthesis and structure of arene soluble N,N'-bis(di-tert-butylsalicylidene)ethylenediamine yttrium complexes. *Chemical Communications*, **1999**, 311-312 5.8 48
- 304 New Synthetic Routes to Tris(pentaalkylcyclopentadienyl)lanthanide Complexes Including the X-ray Crystal Structure of (C<sub>5</sub>Me<sub>4</sub>Et)<sub>3</sub>Sm<sup>1</sup>. *Organometallics*, **1996**, 15, 527-531 3.8 47
- 303 Variable coordination numbers in crystalline bis(pentamethylcyclopentadienyl)samarium oxide, iodide and alkoxide complexes. *Polyhedron*, **1988**, 7, 1693-1703 2.7 47
- 302 Insights into the mechanism of reaction of  $[(C_5Me_5)_2Sm(II)(thf)_2]$  with CO<sub>2</sub> and COS by DFT studies. *Chemistry - A European Journal*, **2012**, 18, 7886-95 4.8 46
- 301 Metallocene Allyl Reactivity in the Presence of Alkenes Tethered to Cyclopentadienyl Ligands. *Organometallics*, **2005**, 24, 2269-2278 3.8 46
- 300 The Presence of Water in the Common CeCl<sub>3</sub>/RLi Alkylation System. *Journal of the American Chemical Society*, **1996**, 118, 4581-4584 16.4 46

- 299 Yttrium-89 NMR spectra of organoyttrium complexes. *Organometallics*, **1985**, 4, 324-326 3.8 46
- 298 Homogeneous catalytic activation of molecular hydrogen by lanthanoid metal complexes. *Journal of the Chemical Society Chemical Communications*, **1979**, 1007 46
- 297 Der erste diskrete Thulium(II)-Komplex: [TmI<sub>2</sub>(MeOCH<sub>2</sub>CH<sub>2</sub>OMe)<sub>3</sub>]. *Angewandte Chemie*, **1997**, 109, 123-124 3.6 45
- 296 A half-sandwich organometallic single-ion magnet with hexamethylbenzene coordinated to the Dy(III) ion. *Chemical Communications*, **2014**, 50, 11418-20 5.8 44
- 295 Insertion of CO<sub>2</sub> and COS into Bi-C bonds: reactivity of a bismuth NCN pincer complex of an oxyaryl dianionic ligand, [2,6-(Me<sub>2</sub>NCH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>]Bi(C<sub>6</sub>H<sub>2</sub>(t)Bu<sub>2</sub>O). *Journal of the American Chemical Society*, **2013**, 135, 7777-87 16.4 44
- 294 Synthesis, structure, and reactivity of polymetallic sodium and lanthanum 4-methylphenoxide complexes. *Inorganic Chemistry*, **1993**, 32, 3041-3051 5.1 44
- 293 Ligand Influence on the Redox Chemistry of Organosamarium Complexes: Experimental and Theoretical Studies of the Reactions of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm(THF)<sub>2</sub> and (C<sub>4</sub>Me<sub>4</sub>P)<sub>2</sub>Sm with Pyridine and Acridine. *Organometallics*, **2012**, 31, 5196-5203 3.8 43
- 292 Advances in f element reductive reactivity as a paradigm for expanding lanthanide and actinide science and technology. *Journal of Alloys and Compounds*, **2009**, 488, 493-510 5.7 43
- 291 Polynuclear Lanthanide Complexes: Formation of a Selenium-Centered Sm<sub>6</sub> Complex, [(C<sub>5</sub>Me<sub>5</sub>)Sm]<sub>6</sub>Se<sub>11</sub>. *Angewandte Chemie International Edition in English*, **1994**, 33, 2110-2111 43
- 290 Stereochemical Variability in Samarium(II) Reagents Using Carbazole as an Alternative to Iodide: Synthesis and Structure of cis-(C<sub>12</sub>H<sub>8</sub>N)<sub>2</sub>Sm(THF)<sub>4</sub> and trans-(C<sub>12</sub>H<sub>8</sub>N)<sub>2</sub>Sm(N-Melm)<sub>4</sub>. *Organometallics*, **1994**, 13, 1641-1645 3.8 43
- 289 New coordination environments for yttrium formed in situ by heterometallic bridging: Crystal structures of (C<sub>5</sub>H<sub>4</sub>SiMe<sub>3</sub>)Y[(E)OCMe<sub>3</sub>](E)MeAlMe<sub>2</sub>)<sub>2</sub> and (Me<sub>3</sub>SiCH<sub>2</sub>)Y[(E)CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>][(E)OR]Li(THF)<sub>2</sub>)<sub>2</sub>. *Journal of Organometallic Chemistry*, **1993**, 462, 141-148 2.3 43
- 288 Isolation of (CO)<sub>1</sub>- and (CO)<sub>2</sub><sup>-1</sup>- radical complexes of rare earths via Ln(NR<sub>2</sub>)<sub>3</sub>/K reduction and [K<sub>2</sub>(18-crown-6)]<sub>2</sub><sup>+</sup> oligomerization. *Journal of the American Chemical Society*, **2012**, 134, 6064-7 16.4 42
- 287 Reactivity of Methyl Groups in Actinide Metallocene Amidinate and Triazenido Complexes with Silver and Copper Salts. *Organometallics*, **2010**, 29, 101-107 3.8 42
- 286 Reaction chemistry of the U(3+) metallocene amidinate (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>[(i)PrNC(Me)N(i)Pr]U including the isolation of a uranium complex of a monodentate acetate. *Inorganic Chemistry*, **2010**, 49, 1743-9 5.1 42
- 285 Heteropolyagostic Interactions in Lanthanide(III) Diisopropylamido Complexes. *Inorganic Chemistry*, **1995**, 34, 5927-5930 5.1 42
- 284 Facile syntheses of unsolvated UI<sub>3</sub> and tetramethylcyclopentadienyl uranium halides. *Inorganic Chemistry*, **2005**, 44, 3993-4000 5.1 41
- 283 The Trivalent Neodymium Complex [(C Me ) Nd] Is a One-Electron Reductant!. *Angewandte Chemie - International Edition*, **1999**, 38, 1801-1803 16.4 41
- 282 The reactivity of (C<sub>6</sub>Me<sub>5</sub>)<sub>2</sub>Sm(THF)<sub>2</sub> with bis(2-pyridyl)ethene including the synthesis of [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm]<sub>2</sub>(μ<sub>2</sub>-η<sup>2</sup>:η<sup>2</sup>-pyCHCHpy) from [(C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Sm]<sub>2</sub>(μ<sub>3</sub>-η<sup>3</sup>:η<sup>3</sup>-1,2,3,4-(py)<sub>4</sub>C<sub>4</sub>H<sub>4</sub>) by reductive C-C bond cleavage. *Organometallics*, **1999**, 18, 1661-1667 3.8 41

281	Expanding Thorium Hydride Chemistry Through $\text{Th}^{\text{III}}/\text{Th}^{\text{IV}}$ , Including the Synthesis of a Mixed-Valent $\text{Th}^{\text{III}}/\text{Th}^{\text{IV}}$ Hydride Complex. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4036-45	16.4	40
280	Synthesis and reactivity of bis(tetramethylcyclopentadienyl) yttrium metallocenes including the reduction of $\text{Me}(\text{C}(\text{C}(\text{Me})_2)\text{Si}(\text{N}))_3$ to $[(\text{Me}(\text{C}(\text{C}(\text{Me})_2)\text{Si}(\text{N}))_2)^-]$ with $[(\text{C}(\text{C}(\text{Me})_2)\text{H})(\text{C}(\text{C}(\text{Me})_2)\text{Y}(\text{THF}))_2](\mu\text{-}\eta^2(\text{C}(\text{C}(\text{Me})_2)\text{N}))$ . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 6655-63	5.1	40
279	Reduction of dinitrogen with an yttrium metallocene hydride precursor, $[(\text{C}(\text{C}(\text{Me})_2)\text{YH})_2]$ . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10506-11	5.1	40
278	Lanthanide versus actinide reactivity in the formation of sterically crowded $[(\text{C}(\text{C}(\text{Me})_2)\text{ML}(\text{n}))]$ nitrile and isocyanide complexes. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 964-75	4.8	40
277	Solid-state $^{139}\text{La}$ and $^{15}\text{N}$ NMR spectroscopy of lanthanum-containing metallocenes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12638-9	16.4	40
276	Synthesis of the First Tris(pentamethylcyclopentadienyl) Hydride Complex, $(\text{C}(\text{C}(\text{Me})_2)_3\text{ThH}$ . <i>Organometallics</i> , <b>2001</b> , 20, 5489-5491	3.8	40
275	Reactions of Olefin Polymerization Activators with Complexed Pentamethylcyclopentadienyl Ligands: Abstraction of Tetramethylfulvalene. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 2180-2181	16.4	40
274	The utility of $(\text{C}(\text{C}(\text{Me})_2)_2\text{Sm}$ in isolating crystallographically characterizable zintl ions. X-Ray crystal structure of a complex of $(\text{Sb}_3)_3$ . <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 1138		40
273	Nonaqueous reductive lanthanide chemistry. 1. Reaction of lanthanide atoms with 1,3-butadienes. <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 331-333	16.4	40
272	$^{29}\text{Si}$ NMR Spectra of Silicon-Containing Uranium Complexes. <i>Organometallics</i> , <b>2014</b> , 33, 3786-3791	3.8	39
271	Uranium metallocene complexes of the 1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2-a]pyrimidinato ligand, $(\text{hpp})^-$ . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 222-8	5.1	39
270	Chloride Effects in Lanthanide Carboxylate Based Isoprene Polymerization. <i>Macromolecules</i> , <b>2004</b> , 37, 5130-5132	5.5	39
269	Large scale synthesis of dysprosium and neodymium diiodides. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 3097-9	5.1	39
268	Synthesis, structure, and reactivity of dimeric mono(cyclopentadienyl)yttrium bis(tert-butoxide) complexes: $[(\text{C}(\text{C}(\text{Me})_2)_2\text{Y}(\mu\text{-OCMe}_3)(\text{OCMe}_3))_2]$ ( $\text{C}(\text{C}(\text{Me})_2) = \text{C}(\text{C}(\text{Me})_2)_5, \text{C}(\text{C}(\text{Me})_2)_5\text{H}, \text{C}(\text{C}(\text{Me})_2)_4\text{HMe}, \text{C}(\text{C}(\text{Me})_2)_4\text{HSiMe}_3, \text{and } \text{C}(\text{C}(\text{Me})_2)_4\text{H}_7$ ). <i>Organometallics</i> , <b>1993</b> , 12, 3998-4009	3.8	39
267	Synthesis and X-ray crystal structure of $[(\text{C}(\text{C}(\text{Me})_2)_2\text{Sm}]_2\text{C}_4\text{Ph}_2$ , a samarium $\eta^2$ -complex derived from an alkyne. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1987</b> , 837-838		39
266	Synthesis, structure, and ligand-based reduction reactivity of trivalent organosamarium benzene chalcogenolate complexes $(\text{C}(\text{C}(\text{Me})_2)_2\text{Sm}(\text{EPh})(\text{THF}))$ and $[(\text{C}(\text{C}(\text{Me})_2)_2\text{Sm}(\mu\text{-EPh}))_2]$ . <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 4326-32	5.1	38
265	Lanthanum and alkali metal coordination chemistry of the bis(dimethylphenylsilyl)amide ligand. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 3437-43	5.1	38
264	Organolanthanide-Based Coordination and Insertion Reactivity of the Anion Formed by Deprotonation of $\beta$ -Caprolactam. <i>Organometallics</i> , <b>2001</b> , 20, 4529-4536	3.8	38

263	The tetramethylpiperidiny1-oxide anion (TMPO-) as a ligand in lanthanide chemistry: synthesis of the per(TMPO-) complex $[(\text{ONC}_5\text{H}_6\text{Me}_4)_2\text{Sm}(\mu\text{-ONC}_5\text{H}_6\text{Me}_4)]_2$ . <i>Chemical Communications</i> , <b>2001</b> , 2326-27 <sup>5,8</sup>	38
262	Insertion, isomerization, and cascade reactivity of the tethered silylalkyl uranium metallocene $(\text{f}^5\text{-C}_5\text{Me}_4\text{SiMe}_2\text{CH}_2\text{-Cp})_2\text{U}$ . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3507-16	16.4 37
261	Synthesis and reactivity of a silylalkyl double tuck-in uranium metallocene $[(\eta^5\text{-C}_5\text{Me}_4\text{SiMe}_2\text{CH}_2)_2\text{U}]$ and its conversion to bis(tethered) metallocenes. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 796-800	4.8 37
260	Synthesis and X-ray crystal structure of a heterobimetallic bridged alkynide complex $(\text{C}_5\text{Me}_5)_2\text{Y}(\text{EC}^*\text{CCMe}_3)_2\text{Li}(\text{THF})$ . <i>Journal of Organometallic Chemistry</i> , <b>1989</b> , 376, 311-320	2.3 37
259	Ligand Effects in the Synthesis of $\text{Ln}^{2+}$ Complexes by Reduction of Tris(cyclopentadienyl) Precursors Including C≡C Bond Activation of an Indenyl Anion. <i>Organometallics</i> , <b>2015</b> , 34, 3909-3921	3.8 36
258	Synthesis, structure, and reactivity of cyclopentadienyl-free trimethylsilylmethyl yttrium di-tert-butylphenoxide complexes. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 569, 89-97	2.3 36
257	Methyl displacements from cyclopentadienyl ring planes in sterically crowded $(\text{C}_5\text{Me}_5)_3\text{M}$ complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 7960-9	5.1 36
256	Divalent lanthanide complexes free of coordinating anions: facile synthesis of fully solvated dicationic $[\text{LnLx}]^{2+}$ compounds. <i>Polyhedron</i> , <b>2003</b> , 22, 119-126	2.7 36
255	Isolation and crystal structure of a six coordinate yttrium trichloride complex of $\epsilon$ -caprolactone, $\text{YCl}_3(\text{C}_6\text{H}_{10}\text{O}_2)_3$ . <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 245-246	5.1 36
254	Reactivity of lanthanide carbon $\sigma$ bonds: Alkyl lanthanide complexes as synthetic precursors to lanthanide alkynides. <i>Journal of Organometallic Chemistry</i> , <b>1980</b> , 202, C6-C8	2.3 36
253	C≡C Activation via Carbodiimide Insertion into Yttrium-Carbon Alkynide Bonds: An Organometallic Alder-ene Reaction. <i>Organometallics</i> , <b>2011</b> , 30, 4873-4881	3.8 35
252	Reductive Reactivity of the Tetravalent Uranium Complex $[(\text{f}^5\text{-C}_5\text{Me}_5)(\text{f}^5\text{-C}_8\text{H}_8)\text{U}]_2(\text{f}^5\text{-C}_8\text{H}_8)$ . <i>Organometallics</i> , <b>2009</b> , 28, 236-243	3.8 35
251	Synthesis and Structure of the Bis(tetramethylcyclopentadienyl)uranium Metallocenes $(\text{C}_5\text{Me}_4\text{H})_2\text{UMe}_2$ , $(\text{C}_5\text{Me}_4\text{H})_2\text{UMeCl}$ , $[(\text{C}_5\text{Me}_4\text{H})_2\text{U}][(\text{f}^5\text{-C}_5\text{H}_4\text{-Ph})(\text{f}^5\text{-C}_5\text{H}_4\text{-Ph})\text{BPh}_2]$ , and $[(\text{C}_5\text{Me}_4)_2\text{SiMe}_2(\text{CH}_2\text{CHCH}_2)]_2\text{UI}(\text{THF})$ . <i>Organometallics</i> , <b>2005</b> , 24, 4676-4683	3.8 35
250	Polymerization of Isoprene by a Single Component Lanthanide Catalyst Precursor. <i>Macromolecules</i> , <b>2003</b> , 36, 4256-4257	5.5 35
249	Variability of (ring centroid)Ln(ring centroid) angles in the mixed ligand $\text{C}_5\text{Me}_5/\text{C}_8\text{H}_8$ complexes $(\text{C}_5\text{Me}_5)\text{Ln}(\text{C}_8\text{H}_8)$ and $[(\text{C}_5\text{Me}_5)\text{Yb}(\text{THF})](\text{f}^5\text{-C}_8\text{H}_8)[\text{Yb}(\text{C}_5\text{Me}_5)]$ . <i>Dalton Transactions RSC</i> , <b>2000</b> , 1609-1612	35
248	Formation of a highly-ordered polymeric, supersandwich metallocene: The first x-ray crystal structure of a base-free lithium cyclopentadienide, $[\mu\text{-}(\eta^5\text{-C}_5\text{H}_4(\text{SiMe}_3))\text{Li}]_n$ . <i>Organometallics</i> , <b>1992</b> , 11, 3903-3907	3.8 35
247	Synthesis and x-ray crystal structure of an unusual oligomeric bis(pentamethylcyclopentadienyl) halide complex of cerium: $[(\text{C}_5\text{Me}_5)_2\text{CeCl}_2\text{K}(\text{THF})]_n$ . <i>Organometallics</i> , <b>1988</b> , 7, 629-633	3.8 35
246	Investigation into the Effects of a Trigonal-Planar Ligand Field on the Electronic Properties of Lanthanide(II) Tris(silylamide) Complexes ( $\text{Ln} = \text{Sm}, \text{Eu}, \text{Tm}, \text{Yb}$ ). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5959-5970 <sup>5.1</sup>	34

245	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , <b>2019</b> , 10, 3330	17.4	34
244	DFT and CASPT2 analysis of polymetallic uranium nitride and oxide complexes: how theory can help when X-ray analysis is inadequate. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12397-403	16.4	34
243	Unprecedented bending and rearrangement of f-element sandwich complexes induced by superbulky cyclooctatetraenide ligands. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1257-9	16.4	34
242	Synthesis and structure of alkali metal 'ate' complexes in the yttrium/2,6-dimethylphenoxide system. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 553, 141-148	2.3	34
241	Isolation and structure of a homoleptic yttrium trimethylsilylmethyl complex. <i>Journal of Organometallic Chemistry</i> , <b>1995</b> , 501, 7-11	2.3	34
240	Organosamarium Tetrathiometalate Chemistry: Synthesis and Structure of the Mixed-Metal Complexes $\{[(C_5Me_5)_2Sm]_2Mo(\mu-S)_4\}$ - and $[(C_5Me_5)_2Sm(\mu-S)_2WS_2]$ -. <i>Organometallics</i> , <b>1995</b> , 14, 3-4	3.8	34
239	CP/MAS yttrium-89 NMR spectroscopy: a facile method for characterizing yttrium-containing solids. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 1130-1134	5.1	34
238	Tetramethylcyclopentadienyl Ligands Allow Isolation of Ln(II) Ions across the Lanthanide Series in $[K(2.2.2-cryptand)][(C_5Me_4H)_3Ln]$ Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 3863-3873	3.8	34
237	Synthesis, Structure, and Reactivity of the Sterically Crowded Th Complex (CMe)Th Including Formation of the Thorium Carbonyl, $[(CMe)Th(CO)][BPh]$ . <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3387-3398	16.4	33
236	The utility of N-methylimidazole and acetonitrile as solvents for the direct reaction of europium with alcohols including the first example of acetonitrile as a $\mu$ - $\eta^1$ -bridging ligand. <i>Chemical Communications</i> , <b>1998</b> , 2367-2368	5.8	33
235	Facile Insertion of CO <sub>2</sub> into Tetra- and Pentamethylcyclopentadienyl Lanthanide Moieties To Form (C <sub>5</sub> Me <sub>4</sub> RCO <sub>2</sub> )- Carboxylate Ligands (R = H, Me). <i>Organometallics</i> , <b>2007</b> , 26, 4737-4745	3.8	33
234	Structural studies of lanthanide and yttrium metallocene oxides. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 677, 89-95	2.3	33
233	Synthesis and structure of inverse cyclooctatetraenyl sandwich complexes of Europium(II): $[(C_5Me_5)(THF)_2Eu]_2(OC_8H_8)$ and $[(THF)_3K(OC_8H_8)]_2Eu$ . <i>Polyhedron</i> , <b>1995</b> , 14, 2945-2951	2.7	33
232	Trimethylsilyl versus Bis(trimethylsilyl) Substitution in Tris(cyclopentadienyl) Complexes of La, Ce, and Pr: Comparison of Structure, Magnetic Properties, and Reactivity. <i>Organometallics</i> , <b>2018</b> , 37, 900-903 <sup>8</sup>	3.8	32
231	Synthesis and Insertion Chemistry of Monoalkyl and Monoaryl Uranium(IV) Heteroleptic Metallocene Complexes. <i>Organometallics</i> , <b>2009</b> , 28, 5802-5808	3.8	32
230	Metal versus Ligand Reduction in Ln Complexes of a Mesitylene-Anchored Tris(Aryloxide) Ligand. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2823-2833	5.1	31
229	Evaluating the electronic structure of formal Ln ions in Ln(CHSiMe) using XANES spectroscopy and DFT calculations. <i>Chemical Science</i> , <b>2017</b> , 8, 6076-6091	9.4	31
228	Synthesis and CO <sub>2</sub> Insertion Reactivity of Allyluranium Metallocene Complexes. <i>Organometallics</i> , <b>2012</b> , 31, 7191-7197	3.8	31

227	Synthesis of a thorium tuck-in complex, [(eta(5):eta(1)-C(5)Me(4)CH(2))(eta(5)-C(5)Me(5))Th{iPrNC(Me)NiPr}], by C-H bond activation initiated by (C(5)Me(5))(-). <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 12204-7	4.8	31
226	Formation of a Cyclopentadienyl Arene Coordination Complex of Potassium in the Presence of THF and Aryloxide Ligands: Synthesis and Structure of {K[(mu.-C5H5)2Nd(mu.-O-C6H3Me2-2,6)2]}n. <i>Organometallics</i> , <b>1995</b> , 14, 558-560	3.8	31
225	Utility of cyclodichlorophosphazene as a NaC5H5 scavenging reagent: synthesis of an organoyttrium hydroxide complex and the x-ray crystal structure of the layered compound [(C5H5)2Y(mu.-OH)]2(C6H5C.ident.CC6H5). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1990-1993	5.1	31
224	Uranium and thorium hydride complexes as multielectron reductants: a combined neutron diffraction and quantum chemical study. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3613-24	5.1	30
223	Synthesis and Insertion Chemistry of a Cyclooctatetraenyl Uranium Tuck-in Metallocene, (B-C8H8)(B-C5Me4CH2)U. <i>Organometallics</i> , <b>2011</b> , 30, 458-465	3.8	30
222	Comparison of divalent dimethoxyethane-solvated thulium and samarium diiodides in hexamethylphosphoramide and pyridine: Isolation of the cations { [Tm]2 (HMPA) 4 ] [I] (pyridine) 5} and { [Tm] (HMPA) 4 (pyridine) ] [I] 2} and a single crystal containing both linear and bent	2.7	30
221	Facile Triphenylborane-Based Syntheses of the Sterically Crowded Tris(pentamethylcyclopentadienyl) Complexes (C5Me5)3UMe and (C5Me5)3UCl. <i>Organometallics</i> , <b>2005</b> , 24, 3407-3412	3.8	30
220	An Yttrium-Based System to Evaluate Lewis Base Coordination to an Electropositive Metal in a Metallocene Environment. <i>Organometallics</i> , <b>2002</b> , 21, 1825-1831	3.8	30
219	Flexibility in the coordination chemistry of the 2,3-dimethylindolide ligand with potassium, yttrium, and samarium. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 3340-6	5.1	30
218	Synthesis of arene-soluble dizirconium nonaisopropoxide lanthanide cations involving divalent ytterbium. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 3421-3	5.1	30
217	Metalation as a Termination Step in Polymerization Reactions Involving Olefins and Ethylene As Detected by Field Desorption Mass Spectrometry1. <i>Organometallics</i> , <b>1996</b> , 15, 3210-3221	3.8	30
216	Synthesis and x-ray crystal structure of a dialkyldicyclopentadienylyttrium complex: {(C5H5)2Y[CH2Si(CH3)3]2}2Li2(CH3OCH2CH2OCH3)2(C4H8O2). <i>Organometallics</i> , <b>1985</b> , 4, 1836-1841	3.8	30
215	Coordination and reductive chemistry of tetraphenylborate complexes of trivalent rare earth metallocene cations, [(C5Me5)2Ln][(tPh)2BPh2]. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 4092-106	5.1	29
214	Substituent effects in the formation of aryloxide-bridged europium complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 3035-3040		29
213	Reactivity of (C5Me5)2Sm(THF)2 with Nitriles: C-N Bond Cleavage To Form Cyanide Complexes. <i>Organometallics</i> , <b>2007</b> , 26, 2904-2910	3.8	29
212	Samarium versus aluminium Lewis acidity in a mixed alkyl carboxylate complex related to alkylaluminium activation in diene polymerization catalysis. <i>Chemical Communications</i> , <b>2005</b> , 5925-7	5.8	29
211	Formation of a bridging planar trimethylenemethane dianion from a neopentyl precursor via sequential beta-alkyl elimination and C-H activation. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1068-9	16.4	29
210	Evaluation of field desorption mass spectrometry for the analysis of polyethylene. <i>Journal of the American Society for Mass Spectrometry</i> , <b>1996</b> , 7, 1070-4	3.5	29

- 209 Recent advances in organolanthanide chemistry. *Journal of Organometallic Chemistry*, **1983**, 250, 217-226.3 29
- 208 Electrocatalytic HO Reduction with f-Elements: Mechanistic Insight and Overpotential Tuning in a Series of Lanthanide Complexes. *Journal of the American Chemical Society*, **2018**, 140, 2587-2594 16.4 28
- 207 Reactivity of the Ln<sup>2+</sup> Complexes [K(2.2.2-cryptand)][(C<sub>5</sub>H<sub>4</sub>SiMe<sub>3</sub>)<sub>3</sub>Ln]: Reduction of Naphthalene and Biphenyl. *Organometallics*, **2015**, 34, 2287-2295 3.8 28
- 206 Synthetic Aspects of (C<sub>5</sub>H<sub>4</sub>SiMe<sub>3</sub>)<sub>3</sub>Ln Rare-Earth Chemistry: Formation of (C<sub>5</sub>H<sub>4</sub>SiMe<sub>3</sub>)<sub>3</sub>Lu via [(C<sub>5</sub>H<sub>4</sub>SiMe<sub>3</sub>)<sub>2</sub>Ln]<sup>+</sup> Metallocene Precursors. *Organometallics*, **2013**, 32, 2625-2631 3.8 28
- 205 Reactivity of Tuck-in and Tuck-over Uranium Metallocene Complexes. *Organometallics*, **2010**, 29, 4159-4170 3.8 28
- 204 Utility of 2-Methoxyethanol in the Synthesis of Polyeuropium Complexes: [Eu(OCH<sub>2</sub>CH<sub>2</sub>OMe)<sub>2</sub>(OC<sub>6</sub>H<sub>3</sub>R<sub>2</sub>-2,6)-][H<sup>+</sup>]<sub>4</sub> (R = Me, iPr) and [EuAl<sub>2</sub>(OCH<sub>2</sub>CH<sub>2</sub>OMe)<sub>3</sub>Me<sub>5</sub>]<sub>2</sub>. *Inorganic Chemistry*, **1998**, 37, 5221-5226 5.1 28
- 203 Synthesis and structure of mono-THF solvates of bis(cyclopentadienyl)samarium(II) complexes: (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub> Sm(THF) and [C<sub>5</sub>H<sub>2</sub>(SiMe<sub>3</sub>)<sub>3</sub>][C<sub>5</sub>H<sub>3</sub>(SiMe<sub>3</sub>)<sub>2</sub>]Sm(THF). *Journal of Organometallic Chemistry*, **1993**, 444, 61-66 2.3 28
- 202 Chelate-Free Synthesis of the U(II) Complex, [(CH(SiMe)<sub>3</sub>)U], Using Li and Cs Reductants and Comparative Studies of La(II) and Ce(II) Analogs. *Inorganic Chemistry*, **2018**, 57, 11809-11814 5.1 28
- 201 End-On Bridging Dinitrogen Complex of Scandium. *Journal of the American Chemical Society*, **2017**, 139, 14861-14864 16.4 27
- 200 Isolation of +2 rare earth metal ions with three anionic carbocyclic rings: bimetallic bis(cyclopentadienyl) reduced arene complexes of La and Ce are four electron reductants. *Chemical Science*, **2015**, 6, 7267-7273 9.4 27
- 199 Utility of the 1,3,4,6,7,8-Hexahydro-2H-pyrimido[1,2-a]pyrimidinato Ligand, (hpp)<sup>-</sup> in Stabilizing Uranium Metallocene Mono-Alkyl and Tuck-in Complexes. *Organometallics*, **2010**, 29, 2104-2110 3.8 27
- 198 Two-electron reductive reactivity of trivalent uranium tetraphenylborate complexes of (C<sub>5</sub>Me<sub>5</sub>)<sub>1</sub> and (C<sub>5</sub>Me<sub>4</sub>H)<sub>1</sub>. *Journal of Organometallic Chemistry*, **2007**, 692, 3649-3654 2.3 27
- 197 Reactivity of the tethered alkyl uranium bonds of (B:1-C<sub>5</sub>Me<sub>4</sub>SiMe<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>U. *Comptes Rendus Chimie*, **2010**, 13, 775-780 2.7 26
- 196 Reductive coupling of acetonitrile by uranium and thorium hydride complexes to give cyanopentadienyl dianion (C<sub>6</sub>N<sub>3</sub>H<sub>7</sub>)<sup>2-</sup>. *Angewandte Chemie - International Edition*, **2008**, 47, 589-92 16.4 26
- 195 An Ethyl Aluminum Oxide (EAO) Complex with η<sup>2</sup>-Ethyl Coordination Derived from a Samarocene Carboxylate and Triethylaluminum. *Organometallics*, **2005**, 24, 4882-4885 3.8 26
- 194 Utility of neodymium diiodide as a reductant in ketone coupling reactions. *Organic Letters*, **2003**, 5, 2041-2042 2.3 26
- 193 Synthetic and Structural Studies of the Cyclopentadienyl-Free Yttrium Alkyl Alkoxide and Aryloxide Complexes [(Me<sub>3</sub>Si)<sub>2</sub>CH]<sub>2</sub>Y(EOCMe<sub>3</sub>)<sub>2</sub>Li(THF) and [Me<sub>3</sub>SiCH<sub>2</sub>]<sub>2</sub>Y(OC<sub>6</sub>H<sub>3</sub>tBu<sub>2</sub>-2,6)(THF)<sub>2</sub>. *Organometallics*, **1996**, 15, 1351-1355 3.8 26
- 192 Reactivity of lanthanide metal vapor with unsaturated hydrocarbons. Reactions with ethene, propene, and 1,2-propadiene. *Inorganic Chemistry*, **1981**, 20, 4320-4325 5.1 26

191	Dinitrogen reduction via photochemical activation of heteroleptic tris(cyclopentadienyl) rare-earth complexes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3804-7	16.4	25
190	Hydrocarbon-soluble, polymetallic, lanthanoid aryloxides constructed utilising ligands with distal But groups. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3144		25
189	Synthesis of air-stable, volatile uranium(IV) and (VI) compounds and their gas-phase conversion to uranium oxide films. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2209-13	16.4	24
188	Reactivity of Lanthanide, Group 2, and Group 3 Metal and Metal Oxide Cations with Pentamethylcyclopentadiene: Gas-Phase Synthesis of Cyclopentadienyl Cations. <i>Organometallics</i> , <b>1997</b> , 16, 3845-3850	3.8	24
187	Di-zirconium-nona-isopropoxide as a cyclopentadienyl replacement: synthesis and crystal structure of the di-zirconium-nona-isopropoxide lanthanide halides {[Zr <sub>2</sub> (OPri) <sub>9</sub> ]Eu( $\mu$ -I)} <sub>2</sub> , {[Zr <sub>2</sub> (OPri) <sub>9</sub> ]NdCl( $\mu$ -Cl)} <sub>2</sub> and {[Zr <sub>2</sub> (OPri) <sub>9</sub> ]Nd( $\mu$ -O <sub>2</sub> CBut)( $\mu$ -Cl)} <sub>2</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 4503-4508		24
186	Reactivity of the Substituted Butadienes, Isoprene and Myrcene, with Decamethylsamarocene. <i>Organometallics</i> , <b>2001</b> , 20, 5648-5652	3.8	24
185	Expanding the +2 Oxidation State of the Rare-Earth Metals, Uranium, and Thorium in Molecular Complexes. <i>Fundamental Theories of Physics</i> , <b>2016</b> , 337-394	0.8	24
184	Isolation of U(II) compounds using strong donor ligands, CMeH and N(SiMe), including a three-coordinate U(II) complex. <i>Chemical Communications</i> , <b>2019</b> , 55, 2325-2327	5.8	23
183	Isolation of a Square-Planar Th(III) Complex: Synthesis and Structure of [Th(OCHBu-2,6-Me-4)]. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12458-12463	16.4	23
182	Slow Magnetic Relaxation in a Dysprosium Ammonia Metallocene Complex. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 15049-15056	5.1	23
181	Facile Insertion of N <sub>2</sub> O into Metal-Carbon Bonds of Metallocene Allyl Complexes to Form (RN <sub>2</sub> O) $\pi$ Ligands. <i>Organometallics</i> , <b>2010</b> , 29, 6608-6611	3.8	23
180	Synthesis of (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> (C <sub>5</sub> Me <sub>4</sub> H)UMe, (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> (C <sub>5</sub> H <sub>5</sub> )UMe, and (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> UMe[CH(SiMe <sub>3</sub> ) <sub>2</sub> ] from cationic metallocenes for the evaluation of sterically induced reduction. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10169-76	5.1	23
179	Hydrolytic Reactivity of a Samarium(II) Organometallic Complex: Synthesis and Structure of a Hexametallc Organosamarium Oxide Hydroxide, [(C <sub>5</sub> Me <sub>5</sub> )Sm] <sub>6</sub> O <sub>9</sub> H <sub>6</sub> . <i>Organometallics</i> , <b>2001</b> , 20, 2936-2937	3.8	23
178	Synthesis and Structure of a Mononuclear $\eta$ -Hydrazine Complex by Protonation of an [N <sub>2</sub> H <sub>2</sub> ] <sub>2</sub> Complex. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1081-1082		23
177	Synthesis, Structure, and Reactivity of the Ethyl Yttrium Metallocene, (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Y(CH <sub>2</sub> CH <sub>3</sub> ), Including Activation of Methane. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14716-25	16.4	22
176	Isolation and structural characterization of the polymetallic zirconium alkoxide complexes, Zr <sub>3</sub> O(OCH <sub>2</sub> CMe <sub>3</sub> ) <sub>9</sub> Cl, Zr <sub>3</sub> O(OCMe <sub>3</sub> ) <sub>9</sub> (OH), and Na <sub>4</sub> Zr <sub>6</sub> O <sub>2</sub> (OEt) <sub>24</sub> . <i>Polyhedron</i> , <b>1998</b> , 17, 869-877	2.7	22
175	Utility of Electrospray Mass Spectrometry for the Characterization of Air-Sensitive Organolanthanides and Related Species <sup>1</sup> . <i>Organometallics</i> , <b>2000</b> , 19, 4258-4265	3.8	22
174	Synthesis and characterization of the first pentamethylcyclopentadienyl complex of trivalent europium: [(C <sub>5</sub> Me <sub>5</sub> )Eu(OCMe <sub>3</sub> )( $\mu$ -OCMe <sub>3</sub> ) <sub>2</sub> ]. <i>Organometallics</i> , <b>1994</b> , 13, 731-733	3.8	22

173	Reactivity of ceric ammonium nitrate with sodium cyclopentadienide. The x-ray crystal structure of bis(dimethoxyethane)trinitratocerium. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 2600-2604	5.1	22
172	Dinitrogen Reduction, Sulfur Reduction, and Isoprene Polymerization via Photochemical Activation of Trivalent Bis(cyclopentadienyl) Rare-Earth-Metal Allyl Complexes. <i>Organometallics</i> , <b>2015</b> , 34, 4387-4393	3.8	21
171	Synthesis of rare-earth-metal-in-cryptand dications, [Ln(2.2.2-cryptand)], from Sm, Eu, and Yb silyl metallocenes (CHSiMe)Ln(THF). <i>Chemical Communications</i> , <b>2017</b> , 53, 8664-8666	5.8	21
170	Sigma bond metathesis with pentamethylcyclopentadienyl ligands in sterically crowded (C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> M complexes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 6767-73	4.3	21
169	Parametric analysis of the crystal field splitting pattern of Sm(eta(5)-C(5)Me(5))(3) derived on the basis of absorption spectra of pellets or solutions and electronic raman spectra of oriented single crystals. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10811-8	5.1	21
168	Structural studies of mono(pentamethylcyclopentadienyl)lanthanide complexes. <i>Journal of Coordination Chemistry</i> , <b>2006</b> , 59, 1069-1087	1.6	21
167	Planar trimethylenemethane dianion chemistry of lanthanide metallocenes: synthesis, structure, density functional theory analysis, and reactivity of [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Ln]2[mu-eta3:eta3-C(CH <sub>2</sub> ) <sub>3</sub> ] Complexes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16178-89	16.4	21
166	Gas Phase Chemistry of Bis(pentamethylcyclopentadienyl)samarium. <i>Organometallics</i> , <b>1996</b> , 15, 345-349	3.8	21
165	Synthesis and X-ray crystallographic characterization of the decamethylsamarocene solvates (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Sm(OC <sub>5</sub> H <sub>8</sub> ) <sub>2</sub> and (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Sm(OC <sub>5</sub> H <sub>10</sub> ). <i>Polyhedron</i> , <b>1989</b> , 8, 1007-1014	2.7	21
164	Nonaqueous reductive lanthanide chemistry. 2. Conversion of cis,cis-1,5-cyclooctadiene to cyclooctatetraenyl dianion by reduced praseodymium and potassium. <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 333-334	16.4	21
163	[Am(C Me H)]: An Organometallic Americium Complex. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11695-11699	16.4	20
162	(C <sub>5</sub> Me <sub>4</sub> H)1Ebased reduction of dinitrogen by the mixed ligand tris(polyalkylcyclopentadienyl) lutetium and yttrium complexes, (C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> [(C <sub>5</sub> Me <sub>4</sub> H) <sub>x</sub> Ln]. <i>Chemical Science</i> , <b>2011</b> , 2, 1992	9.4	20
161	Synthesis and Structure of a New Type of Sandwich-Like Yttrium Complex Derived from Tetraphenylethylene: [Na(THF) <sub>6</sub> ][Y(Ph <sub>2</sub> C <sub>2</sub> Ph <sub>2</sub> ) <sub>2</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11342-11346	16.4	20
160	Synthesis of heteroleptic uranium compounds including an asymmetric, sterically unsaturated, bimetallic, organouranium(IV) halide: (C <sub>5</sub> Me <sub>5</sub> )(C <sub>8</sub> H <sub>8</sub> )ClU(ECl)U(C <sub>8</sub> H <sub>8</sub> )(C <sub>5</sub> Me <sub>5</sub> ). <i>Polyhedron</i> , <b>2006</b> , 25, 484-492	2.7	20
159	The bent metallocene geometries of potassium polyalkyl cyclopentadienyl THF solvates: monosolvated [(THF)K(E <sub>5</sub> C <sub>5</sub> Me <sub>5</sub> ) <sub>n</sub> ], disolvated [(THF) <sub>2</sub> K(E <sub>5</sub> C <sub>5</sub> Me <sub>5</sub> ) <sub>n</sub> ] and the tethered olefin complex [(THF)K(E <sub>5</sub> C <sub>5</sub> Me <sub>4</sub> SiMe <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 649, 252-257	2.3	20
158	Achieving new lanthanide chemistry within the tetracyclopentadienyl cavity formed by two (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Ln moieties. <i>Journal of Alloys and Compounds</i> , <b>1993</b> , 192, 205-210	5.7	20
157	The importance of the counter-cation in reductive rare-earth metal chemistry: 18-crown-6 instead of 2,2,2-cryptand allows isolation of [Y(NR)] and ynediolate and enediolate complexes from CO reactions. <i>Chemical Science</i> , <b>2020</b> , 11, 2006-2014	9.4	20
156	Perspectives on Neutron Scattering in Lanthanide-Based Single-Molecule Magnets and a Case Study of the Tb <sub>2</sub> (N <sub>2</sub> ) System. <i>Magnetochemistry</i> , <b>2016</b> , 2, 45	3.1	20

- 155 Cocrystallization of (ES)<sub>2</sub><sup>-</sup> and (ES)<sub>2</sub><sup>-</sup> and formation of an [η-S<sub>3</sub>N(SiMe<sub>3</sub>)<sub>2</sub>] ligand from chalcogen reduction by (N<sub>2</sub>)<sub>2</sub><sup>-</sup> in a bimetallic yttrium amide complex. *Inorganic Chemistry*, **2015**, 54, 801-7<sup>5.1</sup> 19
- 154 Solvent-Free Organometallic Reactivity: Synthesis of Hydride and Carboxylate Complexes of Uranium and Yttrium from Gas/Solid Reactions. *Organometallics*, **2014**, 33, 433-436 3.8 19
- 153 Displacement, reduction, and ligand redistribution reactivity of the cationic mono-C<sub>5</sub>Me<sub>5</sub> Ln<sup>2+</sup> complexes (C<sub>5</sub>Me<sub>5</sub>)Ln(BPh<sub>4</sub>) (Ln=Sm, Yb). *Journal of Organometallic Chemistry*, **2009**, 694, 1238-1243 2.3 19
- 152 Reactivity of (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>UMe<sub>2</sub> and (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>UMeCl toward Group 13 Alkyls. *Organometallics*, **2009**, 28, 1173-1179 3.8 19
- 151 Synthetic Diversity in the Formation of Triazoles from Nitriles and Diazo Compounds Using Metallocenes of Electropositive Metals. *Organometallics*, **2009**, 28, 2897-2903 3.8 19
- 150 Reduction chemistry of the mixed ligand metallocene [(C<sub>5</sub>Me<sub>5</sub>)(C<sub>8</sub>H<sub>8</sub>)U]<sub>2</sub>(C<sub>8</sub>H<sub>8</sub>) with bipyridines. *Inorganica Chimica Acta*, **2010**, 364, 167-171 2.7 19
- 149 Rare-Earth Metal(II) Aryloxides: Structure, Synthesis, and EPR Spectroscopy of [K(2.2.2-cryptand)][Sc(OC H tBu -2,6-Me-4)]. *Chemistry - A European Journal*, **2018**, 24, 18059-18067 4.8 19
- 148 Raman spectroscopy of the N-N bond in rare earth dinitrogen complexes. *Dalton Transactions*, **2016**, 45, 14634-44 4.3 18
- 147 Reactivity of organothorium complexes with TEMPO. *Inorganic Chemistry*, **2014**, 53, 8455-63 5.1 18
- 146 Synthesis and insertion chemistry of mixed tether uranium metallocene complexes. *Chemistry - A European Journal*, **2012**, 18, 14820-7 4.8 18
- 145 The importance of a single methyl group in determining the reaction chemistry of pentamethylcyclopentadienyl cyclooctatetraenyl uranium metallocenes. *Chemistry - A European Journal*, **2011**, 17, 4871-8 4.8 18
- 144 Formation of a [ONN(allyl)O]<sup>-</sup> Anion via NO Insertion and Coupling Using Yttrium and Lanthanide Allyl Metallocenes. *Organometallics*, **2010**, 29, 5209-5214 3.8 18
- 143 Synthesis and structure of the cyclic amido bismuth imide, {[(Me<sub>3</sub>Si)<sub>2</sub>N]Bi[EN(SiMe<sub>3</sub>)]<sub>2</sub>}, via loss of SiMe<sub>3</sub> from a [N(SiMe<sub>3</sub>)<sub>2</sub>]<sup>-</sup> ligand. *Inorganica Chimica Acta*, **2007**, 360, 1349-1353 2.7 18
- 142 The reactivity of Samarium(II) in a Bis(indenyl) coordination environment. *Applied Organometallic Chemistry*, **1995**, 9, 437-447 3.1 18
- 141 Reactivity of Ln(II) Complexes Supported by (C<sub>5</sub>H<sub>4</sub>Me)<sub>1</sub> Ligands with THF and PhSiH<sub>3</sub>: Isolation of Ring-Opened, Bridging Alkoxyalkyl, Hydride, and Silyl Products. *Organometallics*, **2018**, 37, 3055-3063 3.8 18
- 140 Nitric oxide insertion reactivity with the bismuth-carbon bond: formation of the oximate anion, [ON=(C<sub>6</sub>H<sub>2</sub>tBu<sub>2</sub>O)]<sup>-</sup>, from the oxyaryl dianion, (C<sub>6</sub>H<sub>2</sub>tBu<sub>2</sub>O)<sub>2</sub><sup>-</sup>. *Chemistry - A European Journal*, **2014**, 20, 15242-7 4.8 17
- 139 Small-Scale Metal-Based Syntheses of Lanthanide Iodide, Amide, and Cyclopentadienyl Complexes as Analogues for Transuranic Reactions. *Inorganic Chemistry*, **2017**, 56, 11981-11989 5.1 17
- 138 Tris(pentamethylcyclopentadienyl) Complexes of Late Lanthanides Tb, Dy, Ho, and Er: Solution and Mechanochemical Syntheses and Structural Comparisons. *Organometallics*, **2017**, 36, 4558-4563 3.8 17

137	Isolation and structural characterization of tetra- and pentaheterometallic neodymium 4-methylphenoxide complexes. <i>Polyhedron</i> , <b>1997</b> , 16, 3429-3434	2.7	17
136	Expanding Divalent Organolanthanide Chemistry: The First Organothulium(II) Complex and the In Situ Organodysprosium(II) Reduction of Dinitrogen. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 369-371	3.6	17
135	Synthesis of Zirconium Aryloxide Complexes Containing Pendent Vinyl Groups. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 1160-1164	5.1	17
134	Solution Synthesis, Structure, and CO <sub>2</sub> Reduction Reactivity of a Scandium(II) Complex, {Sc[N(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>3</sub> } <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2082-2085	3.6	16
133	Scandium and yttrium metallocene borohydride complexes: comparisons of (BH <sub>4</sub> ) <sup>1-</sup> vs. (BPh <sub>4</sub> ) <sup>1-</sup> coordination and reactivity. <i>Dalton Transactions</i> , <b>2012</b> , 41, 9659-66	4.3	16
132	Synthesis, Structure, and Reactivity of Organometallic Lanthanide-Dizirconium Nonaisopropoxide Complexes. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 3482-3486	4.8	16
131	Synthesis and structure of [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Sm(THF)] <sub>2</sub> (η <sup>5</sup> -C <sub>2</sub> ). <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 483, 21-25	2.3	16
130	Isolation of reactive Ln(II) complexes with CHMe ligands (Cp) using inverse sandwich counteranions: synthesis and structure of [(18-crown-6)K(η <sup>5</sup> -Cp)K(18-crown-6)](CpLn) (Ln = Tb, Ho). <i>Dalton Transactions</i> , <b>2018</b> , 47, 17285-17290	4.3	16
129	Utility of Lithium in Rare-Earth Metal Reduction Reactions to Form Nontraditional Ln Complexes and Unusual [Li(2.2.2-cryptand)] <sup>+</sup> Cations. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2096-2102	5.1	15
128	Proteome-wide muscle protein fractional synthesis rates predict muscle mass gain in response to a selective androgen receptor modulator in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E405-17	6	15
127	Reactivity of U <sup>3+</sup> Metallocene Allyl Complexes Leads to a Nanometer-Sized Uranium Carbonate, [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> U]( $\eta^5$ -C <sub>3</sub> -CO <sub>3</sub> ) <sub>6</sub> . <i>Organometallics</i> , <b>2013</b> , 32, 4820-4827	3.8	15
126	Expanding yttrium bis(trimethylsilylamide) chemistry through the reaction chemistry of (N <sub>2</sub> ) <sup>2-</sup> , (N <sub>2</sub> ) <sup>3-</sup> , and (NO) <sup>2-</sup> complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11168-76	5.1	15
125	Parametric Analysis of the Crystal Field Splitting Pattern of Pr(η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> <i>Organometallics</i> , <b>2010</b> , 29, 1368-1373	3.8	15
124	Aktivität von [Sm(C <sub>5</sub> H <sub>5</sub> ) <sub>3</sub> ] bei der Ethylenpolymerisation und Synthese von [U(C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> ], dem ersten Tris(pentamethylcyclopentadienyl)-Komplex eines 5f-Elements. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 798-799	3.6	15
123	Utility of anhydrous neodymium nitrate as a precursor to extended organoneodymium nitrate networks. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5754-60	5.1	15
122	Mit metallhaltigen Brückenbildnern zu löslichen und beständigen Lanthanoidkomplexen mit kleinen Liganden. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 1725-1728	3.6	15
121	Polypyrazolylborate derivatives of the lanthanides. The syntheses of oxidation state(II) complexes. <i>Polyhedron</i> , <b>1993</b> , 12, 1953-1955	2.7	15
120	tert-Butyl(cyclopentadienyl) Ligands Will Stabilize Nontraditional +2 Rare-Earth Metal Ions. <i>Organometallics</i> , <b>2019</b> , 38, 1151-1158	3.8	14

- 119 Bismuth-based cyclic synthesis of 3,5-di-tert-butyl-4-hydroxybenzoic acid via the oxyarylcarboxy dianion, (O<sub>2</sub>CC<sub>6</sub>H<sub>2</sub>(t)Bu<sub>2</sub>O)<sub>2</sub><sup>-</sup>. *Dalton Transactions*, **2014**, 43, 3052-4 4.3 14
- 118 Reactivity of the Y<sup>3+</sup> Tuck-Over Hydride Complex, (C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>Y(H)([C(CH<sub>2</sub>C<sub>5</sub>Me<sub>4</sub>)Y(C<sub>5</sub>Me<sub>5</sub>)]. *Organometallics*, **2012**, 31, 5591-5598 3.8 14
- 117 Tris(polyalkylcyclopentadienyl) complexes: the elusive [(η-C<sub>5</sub>R<sub>5</sub>)<sub>2</sub>M(η-C<sub>5</sub>R<sub>5</sub>)] structure and trihapto cyclopentadienyl coordination involving a methyl substituent. *Angewandte Chemie - International Edition*, **2011**, 50, 515-8 16.4 14
- 116 Accessing Lanthanide Diiodide Reactivity for Coupling Alkyl Chlorides to Carbonyl Compounds via the NdI<sub>3</sub>/Alkali Metal Reduction System. *Organometallics*, **2005**, 24, 1989-1991 3.8 14
- 115 Comparative Reductive Reactivity of SmI<sub>2</sub> with TmI<sub>2</sub> in the Synthesis of Lanthanide Arene Complexes. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2005**, 631, 2848-2853 1.3 14
- 114 Formal Three-Electron Reduction by an f-Element Complex: Formation of [(C<sub>5</sub>Me<sub>5</sub>)(C<sub>8</sub>H<sub>8</sub>)U]<sub>2</sub>(C<sub>8</sub>H<sub>8</sub>) from Cyclooctatetraene and [(C<sub>5</sub>Me<sub>5</sub>)<sub>3</sub>U]. *Angewandte Chemie*, **2000**, 112, 246-248 3.6 14
- 113 Synthesis of arene-soluble mixed-metal Zr/Ce, Zr/Y, and related [[Zr<sub>2</sub>(OiPr)<sub>9</sub>]LnX<sub>2</sub>]<sub>n</sub> complexes using the dizirconium nonaisopropoxide ligand. *Inorganic Chemistry*, **2000**, 39, 2125-9 5.1 14
- 112 Synthesis, Structure, and Reactivity of Peralkylcyclopentadienyl ansa-Metallocenes of Samarium: Effect of Steric Crowding on the Reactivity of Tris(peralkylcyclopentadienyl)samarium Complexes. *Organometallics*, **1999**, 18, 1381-1388 3.8 14
- 111 Synthesis and Structure of Lanthanide Complexes Derived from the O,N-Chelating, Bis(methylpyridine)-Substituted Alcohol HOC(CMe<sub>3</sub>)(2-CH<sub>2</sub>NC<sub>5</sub>H<sub>3</sub>Me-6)<sub>2</sub>. *Inorganic Chemistry*, **1995**, 34, 3583-3588 5.1 14
- 110 Isopropyltetramethylcyclopentadienyl samarium chemistry: structural studies of divalent (C<sub>5</sub>Me<sub>4</sub>iPr)<sub>2</sub>Sm(THF) and mixed valent [(C<sub>5</sub>Me<sub>4</sub>iPr)<sub>2</sub>Sm]<sub>2</sub>(EtCl). *Polyhedron*, **1998**, 17, 4015-4021 2.7 13
- 109 Synthesis and structure of polymeric networks of silver hexafluoroacetylacetonate complexes of THF, toluene, and vinyltrimethylsilane. *Inorganic Chemistry*, **2003**, 42, 8255-61 5.1 13
- 108 Using Diamagnetic Yttrium and Lanthanum Complexes to Explore Ligand Reduction and C-H Bond Activation in a Tris(aryloxide)mesitylene Ligand System. *Inorganic Chemistry*, **2018**, 57, 12876-12884 5.1 13
- 107 Recent advances for measurement of protein synthesis rates, use of the 'Virtual Biopsy' approach, and measurement of muscle mass. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2017**, 20, 191-200 3.8 12
- 106 Synthesis of uranium-in-cryptand complexes. *Chemical Communications*, **2018**, 54, 10272-10275 5.8 12
- 105 Trigonal-Planar versus Pyramidal Geometries in the Tris(ring) Heteroleptic Divalent Lanthanide Complexes (C<sub>5</sub>Me<sub>5</sub>)Ln(η<sup>5</sup>-Ph)<sub>2</sub>BPh<sub>2</sub>: Crystallographic and Density Functional Theory Analysis. *Organometallics*, **2009**, 28, 6073-6078 3.8 12
- 104 Electronic structures of organometallic complexes of f elements LXXV. *Journal of Organometallic Chemistry*, **2011**, 696, 2829-2836 2.3 12
- 103 The reactivity of zirconium acetylacetonate with phenols. *Polyhedron*, **1998**, 17, 299-304 2.7 12
- 102 Synthesis and reactivity of a tethered diene cyclopentadiene, (C<sub>5</sub>Me<sub>4</sub>H)SiMe<sub>2</sub>(CH<sub>2</sub>CH<sup>?</sup>CHCH<sup>?</sup>CH<sub>2</sub>), and its alkali metal salts. *Journal of Organometallic Chemistry*, **2003**, 688, 200-205 2.3 12

101	Synthesis of arene-soluble mixed-metal uranium/zirconium complexes using the dizirconium nonaisopropoxide ligand. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 6725-30	5.1	12
100	Synthesis and structure of a mixed valence metal carboxide complex: $\text{Eu}_3[\text{O}(\text{CH}_2\text{CH}_2\text{O})_2\text{CH}_2\text{CH}_3]_4(\text{OC}_6\text{H}_3\text{iPr}_2\text{-2,6})_3$ . <i>Inorganic Chemistry Communication</i> , <b>1999</b> , 2, 530-532	3.1	12
99	Polynucleare Lanthanoidkomplexe: Bildung von $[\{(\text{C}_5\text{Me}_5)\text{Sm}\}_6\text{Se}_{11}]$ , einem Se-zentrierten $\text{Sm}_6$ -Komplex. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 2200-2201	3.6	12
98	Tetrahedral versus square planar arrangement of cyclopentadienyl ligands in bimetallic organosamarium complexes. X-ray crystal structure of $[(\text{C}_5\text{H}_4\text{Me})_2(\text{THF})\text{Sm}(\text{EtCl})]_2$ . <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 450, 115-120	2.3	12
97	Structure, Magnetism, and Multi-electron Reduction Reactivity of the Inverse Sandwich Reduced Arene $\text{La}_2$ +Complex $[\{[\text{C}_5\text{H}_3(\text{SiMe}_3)_2]_2\text{La}\}_2(\text{B}:\text{B}-\text{C}_6\text{H}_6)]_1$ . <i>Organometallics</i> , <b>2018</b> , 37, 3322-3331	3.8	12
96	Reactivity of Complexes of $4f_n5d_1$ and $4f_n+1\text{Ln}_2$ Ions with Cyclooctatetraene. <i>Organometallics</i> , <b>2017</b> , 36, 3721-3728	3.8	11
95	A Room-Temperature Stable Y(II) Aryloxide: Using Steric Saturation to Kinetically Stabilize Y(II) Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3207-3214	5.1	11
94	Facile Encapsulation of Ln(II) Ions into Cryptate Complexes from LnI(THF) Precursors (Ln = Sm, Eu, Yb). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9613-9617	5.1	11
93	Differentiating Chemically Similar Lewis Acid Sites in Heterobimetallic Complexes: The Rare-Earth Bridged Hydride $(\text{C}_5\text{Me}_5)_2\text{Ln}(\text{H})_2\text{Ln}'(\text{C}_5\text{Me}_5)_2$ and Tuckover Hydride $(\text{C}_5\text{Me}_5)_2\text{Ln}(\text{H})(\text{H}):\text{B}-\text{CH}_2\text{C}_5\text{Me}_4\text{Ln}'(\text{C}_5\text{Me}_5)$ Systems. <i>Organometallics</i> , <b>2014</b> , 33, 3882-3890	3.8	11
92	Varying the Lewis base coordination of the $\text{Y}_2\text{N}_2$ core in the reduced dinitrogen complexes $\{[(\text{Me}_3\text{Si})_2\text{N}]_2(\text{L})\text{Y}\}_2(\text{B}:\text{B}-\text{N}_2)$ (L = benzonitrile, pyridines, triphenylphosphine oxide, and trimethylamine N-oxide). <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 7867-74	5.1	11
91	Defining Reactivity Differences in Sterically Crowded $(\text{B}-\text{C}_5\text{Me}_5)_3\text{M}$ Complexes Based on Metal Size and Lanthanide vs Actinide Effects. <i>Organometallics</i> , <b>2011</b> , 30, 1231-1235	3.8	11
90	Electronic structures of organometallic complexes of f elements LXXIII: Parametric analysis of the crystal field splitting pattern of tris( $\beta$ -pentamethylcyclopentadienyl)cerium(III). <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 1293-1299	2.3	11
89	Examination of the $\text{LnCl}_3/\text{RLi}$ alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $\text{Li}_2\text{Y}_8\text{Cl}_{18}\text{O}_4(\text{THF})_{12}$ . <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 545-546, 157-162	2.3	11
88	Lanthanide metallocene complexes of the 1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2-a]pyrimidinato Ligand, (hpp) $_1$ -. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 11376-81	5.1	11
87	Europium-151 Moessbauer effect study of several organoeuropium(II) complexes. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 4584-4588	5.1	11
86	$[\text{Am}(\text{C}_5\text{Me}_4\text{H})_3]$ : An Organometallic Americium Complex. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11821-11825	3.6	10
85	Aryloxide anions can form outer sphere complexes with metals as electropositive as uranium. <i>Chemical Communications</i> , <b>2009</b> , 7342-4	5.8	10
84	Diazomethane Insertion into Lanthanide and Yttrium $\pi$ (allyl) Bonds To Form the $\eta$ -Hydrazonato Complexes $(\text{C}_5\text{Me}_5)_2\text{Ln}[\eta(\text{N},\text{N}')-\text{RNN}'\text{CHSiMe}_3]$ (R = $\text{C}_3\text{H}_5$ ). <i>Organometallics</i> , <b>2008</b> , 27, 3582-3586	3.8	10

83	Reactions of neodymium(II) iodide with organohalides. <i>Polyhedron</i> , <b>2006</b> , 25, 1105-1110	2.7	10
82	COORDINATION CHEMISTRY OF N-METHYLIMIDAZOLE WITH YTTRIUM AND CERIUM. <i>Journal of Coordination Chemistry</i> , <b>1995</b> , 34, 229-239	1.6	10
81	Synthesis and X-ray Structure of the First Divalent Lanthanide Acetylacetonate Complex, Bis(2,2,6,6-tetramethylheptane-3,5-dionato)bis(dimethoxyethane)europium(II). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 6435-6437	5.1	10
80	Formation and x-ray crystal structure of the lithium aluminum alkoxide chloride complex LiAl(OCeEt <sub>3</sub> ) <sub>3</sub> Cl(THF) <sub>2</sub> . <i>Polyhedron</i> , <b>1992</b> , 11, 1093-1097	2.7	10
79	Thorium Metallocene Cation Chemistry: Synthesis and Characterization of the Bent [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Th(C <sub>6</sub> H <sub>5</sub> )(THF)][BPh <sub>4</sub> ] and the Parallel Ring [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Th(NCR) <sub>5</sub> ][BPh <sub>4</sub> ] <sub>2</sub> (R = Me, Ph) Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 454-458	3.8	9
78	Insight into the Electronic Structure of Formal Lanthanide(II) Complexes using Magnetic Circular Dichroism Spectroscopy. <i>Organometallics</i> , <b>2019</b> , 38, 3124-3131	3.8	9
77	Yttrium metallocene borane chemistry: isolation of 9-BBN substitution and coordination complexes in a single crystal, {(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Y[eta(3)-C(3)H(4)(BC(8)H(14))]} and {(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Y(micro-H)(2)BC(8)H(14)}. <i>Chemical Communications</i> , <b>2007</b> , 4662-4	5.8	9
76	Comparative study of TmI <sub>2</sub> , SmI <sub>2</sub> , and SmI <sub>2</sub> /HMPA in the cross-coupling reactions of 2-acetylthiophene and thiophene-2-carboxylate with carbonyl compounds. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 2703-2707	2	9
75	REACTIVITY OF DECAMETHYLSAMAROCENES WITH TRIALKYLALUMINUM REAGENTS INCLUDING THE STRUCTURE OF A BRIDGED ISOBUTYLALUMINUM COMPLEX, (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Sm[(ECH <sub>2</sub> CHMe <sub>2</sub> ) <sub>2</sub> Al(CH <sub>2</sub> CHMe <sub>2</sub> ) <sub>2</sub> ]. <i>Main Group Metal Chemistry</i> , <b>2000</b> , 23,	1.6	9
74	Synthesis, structure and reactivity of organometallic complexes of Sm(II). <i>Inorganica Chimica Acta</i> , <b>1987</b> , 139, 169-170	2.7	9
73	Strong Ferromagnetic Exchange Coupling and Single-Molecule Magnetism in MoS-Bridged Dilanthanide Complexes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8465-8475	16.4	9
72	In search of tris(trimethylsilylcyclopentadienyl) thorium. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16633-16640	4.3	9
71	Synthesis of Ln <sup>-in</sup> -Cryptand Complexes by Chemical Reduction of Ln <sup>-in</sup> -Cryptand Precursors: Isolation of a Nd <sup>-in</sup> -Cryptand Complex. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16141-16146	16.4	9
70	A 9.2-GHz clock transition in a Lu(II) molecular spin qubit arising from a 3,467-MHz hyperfine interaction.. <i>Nature Chemistry</i> , <b>2022</b> ,	17.6	9
69	Trimethylsilylcyclopentadienyl (Cp <sup>?</sup> ) Uranium Chemistry: Synthetic and Structural Studies of Cp <sup>?</sup> 4U and Cp <sup>?</sup> 3UX (X = Cl, I, Me). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 2011-2018	1.3	8
68	Synthesis and Structure of Bis- and Tris-Benzyl Bismuth Complexes. <i>Organometallics</i> , <b>2015</b> , 34, 395-397	3.8	8
67	Density functional theory and X-ray analysis of the structural variability in $\beta$ , $\beta$ , $\beta$ -tris(ring) rare earth/actinide tetramethylpyrrolyl complexes, (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> M(NC <sub>4</sub> Me <sub>4</sub> ). <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 3565-72	5.1	8
66	( $\beta$ -Cyclopentadienyl)Lanthanide complexes from the metallic elements. <i>Inorganic Syntheses</i> , <b>2007</b> , 17-23		8

65	Bis( $\beta$ -Pentamethylcyclopentadienyl)-Bis(Tetrahydrofuran)Samarium (II). <i>Inorganic Syntheses</i> , <b>2007</b> , 155-157	8
64	Expanding the LnZ3/Alkali-Metal Reduction System to Organometallic and Heteroleptic Precursors: Formation of Dinitrogen Derivatives of Lanthanum. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5633-5635	3.6 8
63	Synthesis and Characterization of Polyalkylated Pb(C5Me4R)2 Plumbocenes, Including the X-ray Crystal Structure of Pb(C5Me4H)2. <i>Organometallics</i> , <b>1999</b> , 18, 2401-2402	3.8 8
62	Formation of a THF adduct of the organometallic samarium oxide [(C5Me5)2Sm]2(EO). <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 480, 41-44	2.3 8
61	Synthese und Struktur eines einkernigen $\eta^2$ -Hydrazinkomplexes durch Protonierung eines (N2H2)2 $\eta^2$ Komplexes. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1114-1115	3.6 8
60	Relative reactivity of decamethylsilicocene and decamethylsamarocene: reduction of (C5Me5)2SiCl2 by Sm(II) reagents. <i>Inorganica Chimica Acta</i> , <b>1990</b> , 168, 5-6	2.7 8
59	A Rare-Earth Metal Retrospective to Stimulate All Fields. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18354-18367	16.4 8
58	Evaluating Electron-Transfer Reactivity of Complexes of Actinides in +2 and +3 Oxidation States by using EPR Spectroscopy. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1530-1534	4.8 8
57	Synthetic Utility of Tetrabutylammonium Salts in Uranium Metallocene Chemistry. <i>Organometallics</i> , <b>2016</b> , 35, 520-527	3.8 7
56	STRUCTURAL STUDIES OF THE COPPER(II) ACETATE COMPLEXES Cu(o2CCH3)2(pyridine)3 AND Cu6(EO2CCH3)4( $\eta^2$ -O2CCH3)2(EOCMe3)6. <i>Journal of Coordination Chemistry</i> , <b>1999</b> , 47, 199-209	1.6 7
55	A Single Small-Scale Plutonium Redox Reaction System Yields Three Crystallographically-Characterizable Organoplutonium Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 13301-13314	5.1 7
54	Formation of the End-on Bound Lanthanide Dinitrogen Complexes [(RN)Ln-N?N-Ln(NR)] from Divalent [(RN)Ln] Salts (R = SiMe). <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9302-9313	16.4 6
53	$\eta^2$ Bond Metathesis Reactivity of Allyl Scandium Metallocenes with Diphenyldichalcogenides, PhEPh (E = S, Se, Te). <i>Organometallics</i> , <b>2011</b> , 30, 3083-3089	3.8 6
52	Chloride abstraction activity of Ce(IV) nitrate and alkoxide complexes: Facile formation of [CeCl5(THF)][CeClZ(THF)5] (Z=NO3, Cl). <i>Polyhedron</i> , <b>1999</b> , 18, 1475-1477	2.7 6
51	SYNTHESIS AND X-RAY CRYSTAL STRUCTURE OF THE DILITHIUM COPPER SILOXIDE Cu(EOSiPh2OSiPh2O)2 [Li(THF)2]2. <i>Journal of Coordination Chemistry</i> , <b>1999</b> , 46, 347-354	1.6 6
50	Evaluating Electron Transfer Reactivity of Rare-Earth Metal(II) Complexes Using EPR Spectroscopy. <i>Organometallics</i> , <b>2020</b> , 39, 1187-1194	3.8 5
49	Structural characterization of the bent metallocenes, [C5H3(SiMe3)2]2Sm and [C5H3(CMe3)2]2Ln (Ln = Eu, Sm), and the mono(cyclopentadienyl) tetraphenylborate complex, [C5H3(CMe3)2]Eu( $\eta^5$ -Ph)2BPh2. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 867, 142-148	2.3 5
48	Structural complexity in the rare earth metallocene hydride complexes, [(CMe)2InH] <i>Dalton Transactions</i> , <b>2014</b> , 43, 15526-31	4.3 5

47	Synthesis of Air-Stable, Volatile Uranium(IV) and (VI) Compounds and Their Gas-Phase Conversion To Uranium Oxide Films. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2237-2241	3.6	5
46	Facile formation of luminescent terbium(III) aryloxide complexes directly from terbium metal including the X-ray crystal structures of Tb(OC6H3Me2-2,6)3(THF)3 and Tb(OC6H3iPr2-2,6)3(THF)2. <i>Polyhedron</i> , <b>2001</b> , 20, 277-280	2.7	5
45	Der dreiwertige Neodymiumkomplex [(C5Me5)3Nd] ist ein Ein-Elektronen-Donor!. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 1917-1919	3.6	5
44	Highly Reactive Organosamarium Chemistry via Metal Vapor and Sm(II) Syntheses. <i>ACS Symposium Series</i> , <b>1987</b> , 278-289	0.4	5
43	Synthesis and structure of nitrile-solvated rare earth metallocene cations [Cp2Ln(NCR)3][BPh4] (Cp = C5Me5, C5H4SiMe3; R = Me, Bu, Ph). <i>Polyhedron</i> , <b>2016</b> , 103, 44-50	2.7	5
42	Mechanochemical C-H bond activation: Synthesis of the tuckover hydrides, (C5Me5)2Ln(η <sup>5</sup> -β-CH2C5Me4)Ln(C5Me5) from solvent-free reactions of (C5Me5)2Ln(η <sup>5</sup> -Ph)2BPh2 with KC5Me5. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 899, 120885	2.3	4
41	Synthesis and reductive chemistry of bimetallic and trimetallic rare-earth metallocene hydrides with (C5H4SiMe3)1 ligands. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 849-850, 38-47	2.3	4
40	STRUCTURAL STUDIES OF BRIDGED BIMETALLIC NEODYMIUM AND URANIUM PENTAMETHYLCYCLOPENTADIENYL COMPLEXES: {[C(C5Me5)2Nd(THF)l2{ECl}{BPh4}] and [C(C5Me5)2UCl]2[EO]. <i>Journal of Coordination Chemistry</i> , <b>1999</b> , 48, 403-410	1.6	4
39	Synthesis and X-ray crystal structure of nitrogen base adducts of decamethylsamarocene: (C5Me5)2Sm(NH2CMe3) and (C5Me5)2Sm(N-MeIm)2. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 483, 39-45	2.3	4
38	X-RAY CRYSTAL STRUCTURE OF SOLVENT-FREE HYDRIDOTRIS(TRIPHENYLPHOSPHINE) RHODIUM, HRh(PPh3)3. <i>Journal of Coordination Chemistry</i> , <b>1986</b> , 14, 223-229	1.6	4
37	C-H Bond Activation via U(II) in the Reduction of Heteroleptic Bis(trimethylsilyl)amide U(III) Complexes. <i>Organometallics</i> , <b>2020</b> , 39, 3425-3432	3.8	4
36	(β-Cyclopentadienyl)Lanthanide Complexes from the Metallic Elements. <i>Inorganic Syntheses</i> , <b>2007</b> , 291-297		3
35	Synthetic and Structural Studies Bismuth/Copper Alkoxides. <i>Materials Research Society Symposia Proceedings</i> , <b>1990</b> , 180, 39		3
34	Europium-151 Mössbauer effect study of relaxation in two bi(pentamethylcyclopentadienyl) europium(II) complexes. <i>Hyperfine Interactions</i> , <b>1988</b> , 40, 307-309	0.8	3
33	Synthesis and Reduction of Bimetallic Methyl-Bridged Rare-Earth Metal Complexes, [(CHSiMe)Ln(η <sup>5</sup> -CH)] (Ln = Y, Tb, Dy). <i>ACS Omega</i> , <b>2019</b> , 4, 398-402	3.9	3
32	Electrochemical studies of tris(cyclopentadienyl)thorium and uranium complexes in the +2, +3, and +4 oxidation states. <i>Chemical Science</i> , <b>2021</b> , 12, 8501-8511	9.4	3
31	NH and (NH) as ligands in yttrium metallocene chemistry. <i>Dalton Transactions</i> , <b>2018</b> , 47, 5098-5101	4.3	2
30	Tris(polyalkylcyclopentadienyl) Complexes: The Elusive [(β-C5R5)2M(η <sup>5</sup> -C5R5)] Structure and Trihaptic Cyclopentadienyl Coordination Involving a Methyl Substituent. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 535-538	3.6	2

29	SYNTHESIS AND STRUCTURE OF A PENTAMETHYLCYCLOPENTADIENYL THULIUMCHLORIDE COMPLEX, [(C5ME5)2Tm(β-CL)2K(THF)]N. <i>Journal of Coordination Chemistry</i> , <b>1998</b> , 43, 199-206	1.6	2
28	Synthesis of a Heteroleptic Pentamethylcyclopentadienyl Yttrium(II) Complex, [K(2.2.2-Cryptand)]{(C5Me5)2YII[N(SiMe3)2]}, and Its C≡H Bond Activated Y(III) Derivative. <i>Organometallics</i> ,	3.8	2
27	2.2.2-Cryptand as a bidentate ligand in rare-earth metal chemistry. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 4445-4451	6.8	2
26	Clock Transition Due to a Record 1240 G Hyperfine Interaction in a Lu(II) Molecular Spin Qubit		2
25	Evaluating electrochemical accessibility of 4f5d and 4f Ln(II) ions in (CHSiMe)Ln and (CMeH)Ln complexes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14384-14389	4.3	2
24	High-Resolution X-ray Photoelectron Spectroscopy of Organometallic (CHSiMe)Ln and [(CHSiMe)Ln] Complexes (Ln = Sm, Eu, Gd, Tb). <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16610-16620	16.4	2
23	Synthesis of LnII-in-Cryptand Complexes by Chemical Reduction of LnIII-in-Cryptand Precursors: Isolation of a NdII-in-Cryptand Complex. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16275-16280	3.6	1
22	The Periodic Table as a Career Guide: A Journey to Rare Earths. <i>Structure and Bonding</i> , <b>2019</b> , 197	0.9	1
21	Electronic structures of organometallic complexes of f elements LXXXIII: First comparison of experimental and calculated (on the basis of density functional theory) polarized Raman spectra of an oriented organometallic single crystal: Tris(pentamethylcyclopentadienyl)lanthanum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 131, 577-86	4.4	1
20	Isolation and characterization of a californium metallocene. <i>Nature</i> , <b>2021</b> , 599, 421-424	50.4	1
19	Cooperative dinitrogen capture by a diboraanthracene/samarocene pair. <i>Dalton Transactions</i> , <b>2021</b> , 50, 15000-15002	4.3	1
18	Reductive Reactivity of the 4f5d Gd(II) Ion in {Gd[N(SiMe)]}: Structural Characterization of Products of Coupling, Bond Cleavage, Insertion, and Radical Reactions. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 15635-15645	5.1	1
17	Density Functional Theory Analysis of the Importance of Coordination Geometry for 5f6d versus 5f Electron Configurations in U(II) Complexes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16316-16325	5.1	1
16	Stabilization of U(III) to Oxidation and Hydrolysis by Encapsulation Using 2.2.2-Cryptand. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17077-17083	5.1	1
15	Structural variations in cyclopentadienyl uranium(III) iodide complexes. <i>Journal of Coordination Chemistry</i> , <b>2021</b> , 74, 74-91	1.6	1
14	Synthesis of a 2-Isocyanophenolate Ligand, (2-CNC6H4O)1 <sup>-</sup> by Ring-Opening of Benzoxazole with Rare-Earth Metal Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 735-741	3.8	1
13	Optimizing Alkali Metal (M) and Chelate (L) Combinations for the Synthesis and Stability of [M(L)][(C5H4SiMe3)3Y] Yttrium(II) Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 3170-3176	3.8	1
12	Synthesis, Structure, and Reactivity of Organometallic Lanthanide-Dizirconium Nonaisopropoxide Complexes <b>1999</b> , 5, 3482		1

11	Rare-earth complexes of the asymmetric amide ligands, N(SiMe <sub>3</sub> )Ph and N(SiMe <sub>3</sub> )Cy. <i>Polyhedron</i> , <b>2019</b> , 168, 72-79	2.7	o
10	Bis( $\beta$ -Pentamethylcyclopentadienyl)- Bis(Tetrahydrofuran)Samarium(II). <i>Inorganic Syntheses</i> , <b>2007</b> , 297-300		o
9	Crystal structure of the [(THF)Cs( $\beta$ -Cp')Yb] oligomer. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2020</b> , 76, 1131-1135	0.7	o
8	Synthesis of Ba(II) analogs of Ln(II)-in-(2.2.2-cryptand) and layered hexagonal net Ln(II) complexes, [(THF)Cs( $\beta$ -Cp') <sub>5</sub> H <sub>4</sub> SiMe <sub>3</sub> ) <sub>3</sub> Ln(II)] <sub>n</sub> . <i>Polyhedron</i> , <b>2021</b> , 210, 115493	2.7	o
7	Reaktitelbild: [Am(C <sub>5</sub> Me <sub>4</sub> H) <sub>3</sub> ]: An Organometallic Americium Complex (Angew. Chem. 34/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12050-12050	3.6	
6	Utility of videomicroscopy in the characterization of single crystals of air sensitive compounds to be studied by x-ray crystallography. <i>Review of Scientific Instruments</i> , <b>1997</b> , 68, 3593-3594	1.7	
5	Reductive cleavage of ,'-di--butyl-carbodi-imide generates -butyl-cyanamide ligands, (MeCNCN), that bind potassium both end-on and side-on in the same single crystal. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2020</b> , 76, 1047-1050	0.7	
4	Synthesis and crystallographic characterization of di-phenyl-amide rare-earth metal complexes (NPh)(THF) and [(PhN) (ENPh)]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2020</b> , 76, 1447-1453	0.7	
3	BIS(CYCLOPENTADIENYL) ORGANOLANTHANIDE AND ORGANOYTTTRIUM CHLORIDE, METHYL AND HYDRIDE COMPLEXES <b>1986</b> , 1-8		
2	Crystallographic characterization of (CHSiMe)U(BH). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2021</b> , 77, 383-389	0.7	
1	Crystallographic characterization of rare-earth cyano-tri-phenyl-borate complexes and the cyano-borates [NCBPh], [NCBPhMe], and [NCBPh(ED)BPh]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2021</b> , 77, 799-803	0.7	