

# Richard A Andersen

## List of Publications by Year in descending order

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65  
papers

3,498  
citations

87843

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68  
docs citations

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times ranked

2185  
citing authors

#	ARTICLE	IF	CITATIONS
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1	Divalent lanthanide chemistry. Bis (pentamethylcyclopentadienyl) europium(II) and -ytterbium(II)		
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#	ARTICLE	IF	CITATIONS
19	X-ray Crystal Structures of Cp*Ni(PEt3)X [X = Br, O(p-C6H4Me), NH(p-C6H4Me), S(p-C6H4Me), OCH3, CH2C6H5, Me, H, PEt3+]. Understanding Distortions and Trans Influences in Cyclopentadienyl Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 12815-12823.	6.6	65
20	Synthesis of an $\eta^2$ -N2-Titanium Diazoalkane Complex with Both Imido- and Metal Carbene-Like Reactivity Patterns. <i>Journal of the American Chemical Society</i> , 1998, 120, 6316-6328.	6.6	62
21	Coordination of 1,4-Diazabutadiene Ligands to Decamethylytterbocene: Additional Examples of Spin Coupling in Ytterbocene Complexes. <i>Organometallics</i> , 2007, 26, 2296-2307.	1.1	61
22	Near-IR Two Photon Microscopy Imaging of Silica Nanoparticles Functionalized with Isolated Sensitized Yb(III) Centers. <i>Chemistry of Materials</i> , 2014, 26, 1062-1073.	3.2	61
23	Weak paramagnetism in compounds of the type Cp $\eta^2$ Yb(bipy). <i>New Journal of Chemistry</i> , 2006, 30, 238.	1.4	59
24	Coordination Complexes of Decamethylytterbocene with 4,4'-Disubstituted Bipyridines: An Experimental Study of Spin Coupling in Lanthanide Complexes. <i>Organometallics</i> , 2006, 25, 3228-3237.	1.1	58
25	Synthesis and Structure of Cp*2TiH, Cp*2TiH2Li(tmed), and [Cp*2TiOLi(THF)]2. <i>Organometallics</i> , 1998, 17, 5240-5247.	1.1	56
26	Synthesis, Characterization, Isomerization, and Reactivity of Dimeric Cyclopentadienylnickel Amido Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 1092-1104.	6.6	53
27	Spin Equilibria in Monomeric Manganocenes: Solid-State Magnetic and EXAFS Studies. <i>Organometallics</i> , 2009, 28, 2005-2019.	1.1	52
28	Coordination of CO to the Alkaline Earth Metallocene [(Me5C5)2Ca]. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 791-793.	4.4	51
29	Metal alkyls programmed to generate metal alkylidenes by $\eta^1$ -H abstraction: prognosis from NMR chemical shift. <i>Chemical Science</i> , 2018, 9, 1912-1918.	3.7	47
30	$\eta^1$ -Bond Character in Metal-Alkyl Compounds for C-H Activation: How, When, and Why?. <i>Journal of the American Chemical Society</i> , 2019, 141, 648-656.	6.6	46
31	Influence of the Torsion Angle in 3,3'-Dimethyl-2,2'-bipyridine on the Intermediate Valence of Yb in (Cp* <sub>5</sub> Me) <sub>2</sub> Yb(3,3'-Me <sub>2</sub> -bipy). <i>Organometallics</i> , 2013, 32, 5305-5312.	1.1	43
32	Evidence for the Existence of Group 3 Terminal Methylidene Complexes. <i>Organometallics</i> , 2017, 36, 80-88.	1.1	43
33	Thermal Dihydrogen Elimination from Cp* <sub>2</sub> Yb(4,5-diazafluorene). <i>Organometallics</i> , 2013, 32, 1150-1158.	1.1	42
34	C-H Bond Activations by Monoanionic, PNP-Supported Scandium Dialkyl Complexes. <i>Organometallics</i> , 2015, 34, 4647-4655.	1.1	42
35	Solution Infrared Spectroscopic Studies on Equilibrium Reactions of CO with the Decamethylmetallocenes Cp*2MII, Where MII = Mg, Ca, Sr, Ba, Sm, Eu, Yb. <i>Organometallics</i> , 2002, 21, 3100-3107.	1.1	41
36	NMR chemical shift analysis decodes olefin oligo- and polymerization activity of d <sup>0</sup> group 4 metal complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5867-E5876.	3.3	40

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37	Interactions of cis-P2PtX2 Complexes (X = H, Me) with Bis(pentamethylcyclopentadienyl)ytterbium. <i>Journal of the American Chemical Society</i> , 1995, 117, 6027-6040.	6.6	39
38	Synthetic, Reactivity, and Structural Studies on Half-Sandwich (η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> )Be and Related Compounds: Halide, Alkyl, and Iminoacyl Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 4462-4471.	1.7	39
39	A general synthesis and crystal structure of [(Me <sub>3</sub> C) <sub>2</sub> C <sub>5</sub> H <sub>3</sub> ] <sub>3</sub> Ce. <i>Journal of Organometallic Chemistry</i> , 1995, 501, 271-276.	0.8	36
40	The Nature of Secondary Interactions at Electrophilic Metal Sites of Molecular and Silica-Supported Organolutetium Complexes from Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 3831-3843.	6.6	35
41	Cerium Tetrakis(tropolonate) and Cerium Tetrakis(acetylacetonate) Are Not Diamagnetic but Temperature-Independent Paramagnets. <i>Inorganic Chemistry</i> , 2018, 57, 7290-7298.	1.9	35
42	Synthesis and magnetic properties of cerium macrocyclic complexes with tetramethyldibenzotetraaza[14]annulene, tmtaaH <sub>2</sub> . <i>New Journal of Chemistry</i> , 2006, 30, 1065.	1.4	33
43	Lewis Base Adducts of Uranium Triiodide and Tris[Bis(Trimethylsilyl)Amido]Uranium. <i>Inorganic Syntheses</i> , 2007, , 307-315.	0.3	32
44	Cycloaddition and Nucleophilic Substitution Reactions of the Monomeric Titanocene Sulfido Complex (η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> (C <sub>5</sub> H <sub>5</sub> N)TiS. <i>Journal of the American Chemical Society</i> , 1998, 120, 7825-7834.	6.6	31
45	Can a pentamethylcyclopentadienyl ligand act as a proton-relay in f-element chemistry? Insights from a joint experimental/theoretical study. <i>Dalton Transactions</i> , 2015, 44, 2575-2587.	1.6	25
46	Synthesis and Characterization of Rare Earth Siloxide Complexes, M[OSi(O <sub>t</sub> Bu) <sub>3</sub> ] <sub>3</sub> (L) <sub>x</sub> where L is HOSi(O <sub>t</sub> Bu) <sub>3</sub> and x = 0 or 1. <i>Organometallics</i> , 2015, 34, 2271-2277.	1.1	25
47	Cyclopentadienyl and Imide Ligand Transfer from Zirconium to Iridium: Can Early Transition Metal Imido Compounds Be Used as Imide Transfer Reagents?. <i>Organometallics</i> , 1998, 17, 433-437.	1.1	24
48	Carbon-Hydrogen Bond Breaking and Making in the Open-Shell Singlet Molecule Cp* <sub>2</sub> Yb(4,7-Me <sub>2</sub> phen). <i>Organometallics</i> , 2014, 33, 6819-6829.	1.1	23
49	Metal Olefin Complexes: Revisiting the Dewar-Chatt-Duncanson Model and Deriving Reactivity Patterns from Carbon-13 NMR Chemical Shift. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900151.	1.0	22
50	Solution-State Interactions of Bis(pentamethylcyclopentadienyl)ytterbium, Cp* <sub>2</sub> Yb, with Trialkylphosphines and R <sub>3</sub> PX Complexes (X = O, NR', CHR''). <i>Organometallics</i> , 1995, 14, 4308-4318.	1.1	20
51	Silica-Supported Pentamethylcyclopentadienyl Ytterbium(II) and Samarium(II) Sites: Ultrahigh Molecular Weight Polyethylene without Co-Catalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3431-3434.	7.2	19
52	Understanding the Multiconfigurational Ground and Excited States in Lanthanide Tetrakis Bipyridine Complexes from Experimental and CASSCF Computational Studies. <i>Inorganic Chemistry</i> , 2019, 58, 12083-12098.	1.9	18
53	Coordination complexes of bivalent ansa-ytterbocenes: synthesis, structure and comparison with related unbridged ytterbocenes and ansa-ferrocenes. <i>New Journal of Chemistry</i> , 2005, 29, 919.	1.4	17
54	Synthesis and Reactions of [Cp* <sub>2</sub> Yb] <sub>2</sub> (η <sup>4</sup> -Me) and [Cp* <sub>2</sub> Yb] <sub>2</sub> (η <sup>4</sup> -Me)(Me) and Related Yb <sub>2</sub> (II, III) and Yb <sub>2</sub> (III), <i>Tj BTQq0 0 OrgBT /Over</i>		

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55	[Cp*Ru(acac)] Is Not a Coordinatively Unsaturated, Stable 16-Valence-Electron Complex. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1294-1294.	4.4	16
56	Koordination von CO an das Erdalkalimetallocen [(Me <sub>5</sub> C <sub>5</sub> ) <sub>2</sub> Ca]. <i>Angewandte Chemie</i> , 1995, 107, 877-879.	1.6	16
57	Cleaving bonds in CH <sub>3</sub> OSO <sub>2</sub> CF <sub>3</sub> with [1,2,4-(Me <sub>3</sub> C) <sub>3</sub> C <sub>5</sub> H <sub>2</sub> ] <sub>2</sub> CeH; an experimental and computational study. <i>New Journal of Chemistry</i> , 2013, 37, 132-142.	1.4	14
58	Splitting a C=O bond in dialkylethers with bis(1,2,4-tri-tert-butylcyclopentadienyl)cerium hydride does not occur by a $\sigma$ -bond metathesis pathway: a combined experimental and DFT computational study. <i>New Journal of Chemistry</i> , 2010, 34, 2189.	1.4	11
59	Experimental and DFT Computational Study of $\beta$ -Me and $\beta$ -H Elimination Coupled with Proton Transfer: From Amides to Enamides in Cp* <sub>2</sub> MX (M = La, Ce). <i>Organometallics</i> , 2017, 36, 97-108.	1.1	11
60	Spin equilibria and thermodynamic constants for (C <sub>5</sub> H <sub>4</sub> R) <sub>2</sub> Mn, R=H or Me, in solid solutions of diamagnetic diluents. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 17-22.	0.8	8
61	Synthesis and Physical Properties of Pentamethylmanganocene, (C <sub>5</sub> Me <sub>5</sub> )Mn(C <sub>5</sub> H <sub>5</sub> ), and the Inclusion Compounds [(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Yb] <sub>2</sub> [(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> M] (Where M = V, Cr, Fe, Co). <i>Organometallics</i> , 2016, 35, 3488-3497.	1.1	8
62	New Synthetic Routes to Cyclopentadienyluranium(IV) Fluorides. <i>ACS Symposium Series</i> , 1994, , 383-391.	0.5	5
63	A new X-ray crystal structure (100 K) of Yb[N(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> [Me <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PMe <sub>2</sub> ]. <i>Inorganica Chimica Acta</i> , 2014, 422, 202-205.	1.2	5
64	Silica-Supported Pentamethylcyclopentadienyl Ytterbium(II) and Samarium(II) Sites: Ultrahigh Molecular Weight Polyethylene without Co-Catalyst. <i>Angewandte Chemie</i> , 2018, 130, 3489-3492.	1.6	5
65	Bis(fulvalene)dimetal Complexes Revisited: Synthesis and Properties of [M <sub>2</sub> (2,2',4,4'-Me <sub>3</sub> C) <sub>4</sub> C <sub>10</sub> H <sub>4</sub> ] <sub>2</sub> (M = Mg, Fe, Mn). <i>Organometallics</i> , 2019, 38, 3680-3687.		3