

Robert G Bergman

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Supramolecular Catalysis in Metal-Ligand Cluster Hosts. <i>Chemical Reviews</i> , 2015, 115, 3012-3035.	23.0	1,021
2	Acid Catalysis in Basic Solution: A Supramolecular Host Promotes Orthoformate Hydrolysis. <i>Science</i> , 2007, 316, 85-88.	6.0	717
3	Stoichiometric and catalytic hydroamination of alkynes and allene by zirconium bisamides Cp ₂ Zr(NHR) ₂ . <i>Journal of the American Chemical Society</i> , 1992, 114, 1708-1719.	6.6	422
4	A supramolecular microenvironment strategy for transition metal catalysis. <i>Science</i> , 2015, 350, 1235-1238.	6.0	401
5	Generation, alkyne cycloaddition, arene carbon-hydrogen activation, nitrogen-hydrogen activation and dative ligand trapping reactions of the first monomeric imidozirconocene (Cp ₂ Zr:NR) complexes. <i>Journal of the American Chemical Society</i> , 1988, 110, 8729-8731.	6.6	382
6	Enzymelike Catalysis of the Nazarov Cyclization by Supramolecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2010, 132, 6938-6940.	6.6	308
7	Self-Assembled Tetrahedral Hosts as Supramolecular Catalysts. <i>Accounts of Chemical Research</i> , 2018, 51, 2447-2455.	7.6	292
8	Supramolecular Catalysis of a Unimolecular Transformation: Aza-Cope Rearrangement within a Self-Assembled Host. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6748-6751.	7.2	273
9	The Mechanism of a C-H Bond Activation Reaction in Room-Temperature Alkane Solution. <i>Science</i> , 1997, 278, 260-263.	6.0	256
10	Molecular Recognition and Stabilization of Iminium Ions in Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 14464-14465.	6.6	216
11	Advances in supramolecular host-mediated reactivity. <i>Nature Catalysis</i> , 2020, 3, 969-984.	16.1	216
12	Enantioselective Catalysis of the Aza-Cope Rearrangement by a Chiral Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2009, 131, 17530-17531.	6.6	215
13	Variable regiochemistry in the stoichiometric and catalytic hydroamination of alkynes by imidozirconium complexes caused by an unusual dependence of the rate law on alkyne structure and temperature. <i>Journal of the American Chemical Society</i> , 1993, 115, 2753-2763.	6.6	206
14	Selective transformations of organic compounds by imidozirconocene complexes. <i>Chemical Record</i> , 2002, 2, 431-445.	2.9	176
15	Supramolecular Catalysis of Unimolecular Rearrangements: A Substrate Scope and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2006, 128, 10240-10252.	6.6	170
16	Reactivity of a Terminal Ti(IV) Imido Complex toward Alkenes and Alkynes: Cycloaddition vs C-H Activation. <i>Journal of the American Chemical Society</i> , 1998, 120, 13405-13414.	6.6	164
17	Analysis of an Unprecedented Mechanism for the Catalytic Hydrosilylation of Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2007, 129, 14684-14696.	6.6	142
18	A Mechanistic Study of the Cycloaddition-Cycloreversion Reactions of Zirconium-Imido Complex Cp ₂ Zr(N-t-Bu)(THF) with Organic Imines and Organic Azides. <i>Journal of the American Chemical Society</i> , 1995, 117, 974-985.	6.6	137

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19	Zirconium-Mediated Metathesis of Imines: A Study of the Scope, Longevity, and Mechanism of a Complicated Catalytic System. <i>Journal of the American Chemical Society</i> , 2000, 122, 751-761.	6.6	121
20	Synthesis and Properties of Seven Ionic Liquids Containing 1-Methyl-3-octylimidazolium or 1-Butyl-4-methylpyridinium Cations. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1389-1393.	1.0	119
21	Dihydrogen Activation by Titanium Sulfide Complexes. <i>Organometallics</i> , 1999, 18, 5502-5510.	1.1	115
22	Catalytic Hydroamination of Alkynes and Norbornene with Neutral and Cationic Tantalum Imido Complexes. <i>Organic Letters</i> , 2004, 6, 2519-2522.	2.4	114
23	Generation of the highly reactive intermediates Cp*2Zr:O and Cp*2Zr:S: trapping reactions with alkynes, nitriles, and dative ligands. <i>Organometallics</i> , 1992, 11, 761-777.	1.1	112
24	Lewis Acidity of Bis(perfluorocatecholato)silane: Aldehyde Hydrosilylation Catalyzed by a Neutral Silicon Compound. <i>Journal of the American Chemical Society</i> , 2015, 137, 5328-5331.	6.6	112
25	Enabling New Modes of Reactivity via Constrictive Binding in a Supramolecular-Assembly-Catalyzed Aza-Prins Cyclization. <i>Journal of the American Chemical Society</i> , 2015, 137, 9202-9205.	6.6	111
26	Synthesis, Structure, and Reactivity of Monomeric Titanocene Sulfido and Disulfide Complexes. Reaction of H ₂ with a Terminal MS Bond. <i>Journal of the American Chemical Society</i> , 1997, 119, 4543-4544.	6.6	108
27	Synthesis, structure, and reactivity of a monomeric pentamethylcyclopentadienyliridium(III) imido complex. <i>Journal of the American Chemical Society</i> , 1989, 111, 2719-2721.	6.6	107
28	Preagostic Rh ⁺ H Interactions and C ⁺ H Bond Functionalization: A Combined Experimental and Theoretical Investigation of Rhodium(I) Phosphinite Complexes. <i>Organometallics</i> , 2005, 24, 5737-5746.	1.1	107
29	Application of the E-C Approach to Understanding the Bond Energies Thermodynamics of Late-Metal Amido, Aryloxo and Alkoxo Complexes: An Alternative to π/d ^π Repulsion. <i>Comments on Inorganic Chemistry</i> , 1999, 21, 115-129.	3.0	103
30	Zirconium-Mediated Imine Metathesis. Synthesis of 2,4-Diaza-1-zirconiacyclobutanes and the Mechanism of Their Reactions with Imines and Alkynes. <i>Journal of the American Chemical Society</i> , 1994, 116, 2669-2670.	6.6	100
31	Adduct Formation and Single and Double Deprotonation of Cp*(PMe ₃)Ir(H) ₂ with Main Group Metal Alkyls and Aryls: A Synthesis and Structure of Three Novel Ir ⁺ Al and Ir ⁺ Mg Heterobimetallics. <i>Journal of the American Chemical Society</i> , 1998, 120, 223-224.	6.6	98
32	Nitrous Oxide Mediated Synthesis of Monomeric Hydroxoruthenium Complexes. Reactivity of (DMPE) ₂ Ru(H)(OH) and the Synthesis of a Silica-Bound Ruthenium Complex. <i>Organometallics</i> , 1998, 17, 5072-5085.	1.1	96
33	Supramolecular Catalysis of Orthoformate Hydrolysis in Basic Solution: An Enzyme-Like Mechanism. <i>Journal of the American Chemical Society</i> , 2008, 130, 11423-11429.	6.6	93
34	Conformational Selection as the Mechanism of Guest Binding in a Flexible Supramolecular Host. <i>Journal of the American Chemical Society</i> , 2017, 139, 8013-8021.	6.6	93
35	Synthesis, Structures, and Kinetics and Mechanism of Decomposition of Terminal Metal Azide Complexes: Isolated Intermediates in the Formation of Imidometal Complexes from Organic Azides. <i>Organometallics</i> , 1996, 15, 684-692.	1.1	92
36	Supramolecular Ga ₄ L ₆ Cage Photosensitizes 1,3-Rearrangement of Encapsulated Guest via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2015, 137, 10128-10131.	6.6	92

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37	Structural Factors that Influence the Course of Overall [2 + 2] Cycloaddition Reactions between Imidozirconocene Complexes and Heterocumulenes. <i>Organometallics</i> , 2000, 19, 4795-4809.	1.1	91
38	Scope and Mechanism of Cooperativity at the Intersection of Organometallic and Supramolecular Catalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 9682-9693.	6.6	86
39	Synthesis of trimethylphosphine-substituted (pentamethylcyclopentadienyl)iridium hydride complexes; protonation and deprotonation of (pentamethylcyclopentadienyl)(trimethylphosphine)iridium dihydride. <i>Journal of the American Chemical Society</i> , 1985, 107, 3502-3507.	6.6	82
40	Z-Selective, Catalytic Internal Alkyne Semihydrogenation under H ₂ /CO Mixtures by a Niobium(III) Imido Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 14904-14907.	6.6	82
41	Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 6591-6595.	6.6	81
42	Catalytic Dimerization Reactions of $\hat{1}\pm$ -Olefins and $\hat{1}\pm$ -Dienes with Cp ₂ ZrCl ₂ /Poly(methylalumoxane): \hat{A} Formation of Dimers, Carbocycles, and Oligomers. <i>Journal of the American Chemical Society</i> , 1996, 118, 4715-4716.	6.6	80
43	Room temperature generation of reactive intermediates Cp*Zr:O and Cp*Zr:S: trapping reactions with unsaturated organic molecules and dative ligands. <i>Journal of the American Chemical Society</i> , 1990, 112, 6426-6428.	6.6	76
44	A reactive organometallic oxo intermediate, Cp*Zr:O: generation and subsequent trapping reactions forming alkyne and nitrile addition products. <i>Journal of the American Chemical Society</i> , 1989, 111, 8751-8753.	6.6	73
45	Reactivity of a Parent Amidoruthenium Complex: \hat{A} A Transition Metal Amide of Exceptionally High Basicity. <i>Journal of the American Chemical Society</i> , 2000, 122, 8799-8800.	6.6	73
46	Computational Study of Methane Activation by TpRe(CO) ₂ and CpRe(CO) ₂ with a Stereoelectronic Comparison of Cyclopentadienyl and Scorpionate Ligands. <i>Organometallics</i> , 2003, 22, 2331-2337.	1.1	71
47	Halo, Alkyl, Aryl, and Bis(imido) Complexes of Niobium Supported by the $\hat{1}^2$ -Diketiminato Ligand. <i>Organometallics</i> , 2010, 29, 2926-2942.	1.1	71
48	The effect of host structure on the selectivity and mechanism of supramolecular catalysis of Prins cyclizations. <i>Chemical Science</i> , 2015, 6, 1383-1393.	3.7	68
49	C \hat{A} ~C and C \hat{A} ~H Bond Activation at Ruthenium(II): \hat{A} The Stepwise Degradation of a Neopentyl Ligand to a Trimethylenemethane Ligand. <i>Journal of the American Chemical Society</i> , 1997, 119, 11244-11254.	6.6	67
50	Deprotonation of the Transition Metal Hydride ($\hat{1}$ -5-C5Me5)(PMe3)IrH ₂ . Synthesis and Chemistry of the Strongly Basic Lithium Iridate ($\hat{1}$ -5-C5Me5)(PMe3)Ir(H)(Li). <i>Organometallics</i> , 1999, 18, 2005-2020.	1.1	66
51	A Supramolecular Strategy for Selective Catalytic Hydrogenation Independent of Remote Chain Length. <i>Journal of the American Chemical Society</i> , 2019, 141, 11806-11810.	6.6	66
52	Cycloaddition and Cycloreversion Reactions of a Monomeric Ti(IV) Oxo Complex with Terminal and Internal Alkynes. A Reversible Oxametallacyclobutene/Hydroxoacetylide Interconversion. <i>Journal of the American Chemical Society</i> , 1995, 117, 5393-5394.	6.6	65
53	X-ray Crystal Structures of Cp*Ni(PEt ₃)X [X = Br, O(p-C ₆ H ₄ Me), NH(p-C ₆ H ₄ Me), S(p-C ₆ H ₄ Me), OCH ₃ , CH ₂ C ₆ H ₅ , Me, H, PEt ₃]. Understanding Distortions and Trans Influences in Cyclopentadienyl Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 12815-12823.	6.6	65
54	A Useful Method for Preparing Iridium Alkoxides and a Study of Their Catalytic Decomposition by Iridium Cations: \hat{A} A New Mode of $\hat{1}^2$ -Hydride Elimination for Coordinatively Saturated Metal Alkoxides. <i>Journal of the American Chemical Society</i> , 1998, 120, 6826-6827.	6.6	65

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55	Carboamination: Additions of Imine C ¹ –N Bonds Across Alkynes Catalyzed by Imidozirconium Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5372-5374.	7.2	64
56	Highly Efficient Aluminum-Catalyzed Hydro-amination/-hydrazination of Carbodiimides. <i>Organometallics</i> , 2010, 29, 5946-5952.	1.1	64
57	Kinetics and mechanism of the formation of nitrosoalkane complexes by migratory insertion of coordinated nitric oxide into cobalt-carbon bonds. <i>Journal of the American Chemical Society</i> , 1983, 105, 3922-3929.	6.6	63
58	Synthesis of an η^2 -N ₂ -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
59	Controlled Hydrosilylation of Carbonyls and Imines Catalyzed by a Cationic Aluminum Alkyl Complex. <i>Organometallics</i> , 2012, 31, 2530-2533.	1.1	62
60	Carbon-fluorine bond cleavage in fluoroarenes via a niobium(III) imido complex: from stoichiometric to catalytic hydrodefluorination. <i>Chemical Science</i> , 2014, 5, 2517.	3.7	60
61	Generation of Oxozirconocene Complexes from the Reaction of Cp ₂ (THF)ZrN-t-Bu with Organic and Metal Carbonyl Functionalities: Apparently Divergent Behavior of Transient [Cp ₂ ZrO]. <i>Journal of the American Chemical Society</i> , 1996, 118, 6396-6406.	6.6	58
62	Sub-Picosecond IR Study of the Reactive Intermediate in an Alkane C–H Bond Activation Reaction by CpRh(CO) ₂ . <i>Organometallics</i> , 1998, 17, 3417-3419.	1.1	57
63	Synthesis, Characterization, and Reactions of Isolable (η^2 -Diketiminato)niobium(III) Imido Complexes. <i>Organometallics</i> , 2010, 29, 5010-5025.	1.1	56
64	Diniobium Inverted Sandwich Complexes with η^4 - η^6 -Arene Ligands: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
65	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
66	Nitrous Oxide Mediated Oxygen Atom Insertion into a Ruthenium-Hydride Bond. Synthesis and Reactivity of the Monomeric Hydroxoruthenium Complex (DMPE) ₂ Ru(H)(OH). <i>Organometallics</i> , 1997, 16, 1106-1108.	1.1	53
67	Preparation and reactivity of terminal gold(III) amides and phosphides. <i>Chemical Science</i> , 2013, 4, 1023-1027.	3.7	53
68	Synthesis, X-ray Structure Determination, and Reactions of (Pentamethylcyclopentadienyl)(nitrosyl)ruthenium η^2 -Arene Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 6908-6915.	6.6	52
69	Ultrafast Dynamics of Cp*M(CO) ₂ (M = Ir, Rh) in Solution: The Origin of the Low Quantum Yields for C–H Bond Activation. <i>Journal of the American Chemical Society</i> , 1996, 118, 2069-2072.	6.6	51
70	Synthesis, Characterization, and Reactivity of Aluminum Alkyl/Amide Complexes Supported by Guanidinate and Monoanionic OCO-Pincer Ligands. <i>Organometallics</i> , 2010, 29, 3350-3356.	1.1	51
71	Synthesis, Structure, and Reactivity Studies of an η^2 -N ₂ -Titanium Diazoalkane Complex. Generation and Trapping of a Carbene Complex Intermediate. <i>Journal of the American Chemical Society</i> , 1996, 118, 8737-8738.	6.6	50
72	Neutral and Cationic Alkyl Tantalum Imido Complexes: Synthesis and Migratory Insertion Reactions. <i>Organometallics</i> , 2006, 25, 3394-3406.	1.1	50

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73	Nitrene Metathesis and Catalytic Nitrene Transfer Promoted by Niobium Bis(imido) Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 52-55.	6.6	48
74	Reaction of (Bisimido)niobium(V) Complexes with Organic Azides: [3 + 2] Cycloaddition and Reversible Cleavage of $\hat{\text{I}}^2$ -Diketiminato Ligands Involving Nitrene Transfer. <i>Journal of the American Chemical Society</i> , 2014, 136, 2994-2997.	6.6	47
75	Synthesis of dialkyl- and alkyl(acyl)rhenium complexes by alkylation of anionic rhenium complexes at the metal center. Mechanism of a double carbonylation reaction that proceeds via the formation of free methyl radicals in solution. <i>Journal of the American Chemical Society</i> , 1989, 111, 1285-1299.	6.6	46
76	The Mechanism of Addition of an Ir $\hat{\text{I}}^{\text{OH}}$ bond to Ethylene. Catalytic Tandem Activation by Two [$\hat{\text{I}}^5\text{-Cp}^*(\text{Ph})\text{IrPMe}_3$] $^+$ Complex Fragments. <i>Journal of the American Chemical Society</i> , 1997, 119, 2580-2581.	6.6	46
77	Insertion of Nitriles into a Zirconium $\hat{\text{I}}$ -Iridium Heterobimetallic Complex: A Mechanistic Study. <i>Organometallics</i> , 2000, 19, 602-614.	1.1	46
78	Highly Efficient Aluminum-Catalyzed Ring-Opening Polymerization of Cyclic Carbonates, Lactones, and Lactides, Including a Unique Crystallographic Snapshot of an Intermediate. <i>Organometallics</i> , 2011, 30, 3217-3224.	1.1	45
79	Reproducibility in Chemical Research. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12548-12549.	7.2	45
80	Photoinduced N ₂ loss as a route to long-lived organometallic alkane complexes: A time-resolved IR and NMR study. <i>Chemical Science</i> , 2010, 1, 622.	3.7	44
81	Ten-Membered Ring Eneidyne with Remarkable Chemical and Biological Profiles. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1044-1046.	4.4	43
82	Group 5 chemistry supported by $\hat{\text{I}}^2$ -diketiminato ligands. <i>Dalton Transactions</i> , 2016, 45, 15725-15745.	1.6	43
83	Thorium Metallacycle Facilitates Catalytic Alkyne Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2017, 139, 12935-12938.	6.6	43
84	Supramolecular Host-Selective Activation of Iodoarenes by Encapsulated Organometallics. <i>Journal of the American Chemical Society</i> , 2019, 141, 1701-1706.	6.6	43
85	Synthesis and Structural Characterization of Late Transition Metal Parent Amido (LnM-NH ₂) Complexes: An Acid/Conjugate Base Metathesis Approach. <i>Journal of the American Chemical Society</i> , 1998, 120, 6828-6829.	6.6	42
86	Facile Rh(III)-Catalyzed Synthesis of Fluorinated Pyridines. <i>Organic Letters</i> , 2015, 17, 2567-2569.	2.4	42
87	Use of Steric Hindrance and a Metallacyclobutene Resting State to Develop Robust and Kinetically Characterizable Zirconium-Based Imine Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 1998, 120, 11828-11829.	6.6	40
88	Reactions of Cp $^*(\text{PMe}_3)\text{Ir}(\text{Me})\text{OTf}$ with Silanes: A Role of Base-Free Silylene Complexes in Rearrangements of the Resulting Silicon-Based Ligands. <i>Organometallics</i> , 2002, 21, 3376-3387.	1.1	40
89	A Nanovessel-Catalyzed Three-Component Aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 733-737.	6.6	39
90	Tantalum-Mediated Cleavage of an NN Bond in an Organic Diazene (Azoarene) to Produce an Imidometal (MNR) Complex: An $\hat{\text{I}}^2$ -Diazene Complex Is Not an Intermediate. <i>Organometallics</i> , 1999, 18, 811-813.	1.1	37

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91	Dis-assembly of a Benzylic CF ₃ Group Mediated by a Niobium(III) Imido Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 8145-8148.	6.6	37
92	Impact of Host Flexibility on Selectivity in a Supramolecular Host-Catalyzed Enantioselective aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 11425-11433.	6.6	35
93	Double Group Transfer Reactions of an Unsaturated Tantalum Methylidene Complex with PyridineN-Oxides. <i>Organometallics</i> , 1999, 18, 4465-4467.	1.1	34
94	An Unusually Diverse Array of Products Formed upon Carbonylation of a Dialkylniobium Complex. <i>Journal of the American Chemical Society</i> , 2008, 130, 11262-11263.	6.6	34
95	Biaryl Reductive Elimination Is Dramatically Accelerated by Remote Lewis Acid Binding to a 2,2'-Bipyrimidyl-Platinum Complex: Evidence for a Bidentate Ligand Dissociation Mechanism. <i>Organometallics</i> , 2016, 35, 1064-1069.	1.1	34
96	Synthesis of Alkyltantalocene Oxide, Sulfide, and Imide Derivatives: σ -Stereospecific Heteroatom and π -group Transfers from Oxiranes, Thiiranes, and Aziridines to Methyltantalocene. <i>Organometallics</i> , 1996, 15, 133-141.	1.1	31
97	Cycloaddition and Nucleophilic Substitution Reactions of the Monomeric Titanocene Sulfido Complex (η^5 -C ₅ Me ₅) ₂ (C ₅ H ₅ N)TiS. <i>Journal of the American Chemical Society</i> , 1998, 120, 7825-7834.	6.6	31
98	Mechanism and Catalytic Impact of Ir-Ta Heterobimetallic and Ir-P Transition Metal/Main Group Interactions on Alkene Hydrogenation. <i>ACS Catalysis</i> , 2015, 5, 1840-1849.	5.5	30
99	Preparation of Enantiomerically Pure Perfluorobutanesulfinamide and Its Application to the Asymmetric Synthesis of β -Amino Acids. <i>Journal of Organic Chemistry</i> , 2016, 81, 1547-1557.	1.7	30
100	NMR spectra of (C ₅ (CH ₃) ₅)IrH ₂ SiMe ₃ Li(pmdeta) and (C ₅ (CH ₃) ₅)IrH ₃ Li(pmdeta): the first direct observation of resolved lithium-7-proton coupling. <i>Journal of the American Chemical Society</i> , 1985, 107, 6391-6393.	6.6	29
101	Synthesis and reactivity of cationic niobium and tantalum methyl complexes supported by imido and η^2 -diketiminato ligands. <i>Dalton Transactions</i> , 2011, 40, 7718.	1.6	29
102	Lewis acid-base interactions between platinum(II) diaryl complexes and bis(perfluorophenyl)zinc: strongly accelerated reductive elimination induced by a Z-type ligand. <i>Chemical Communications</i> , 2016, 52, 7039-7042.	2.2	28
103	Heterotetrametallic Re-Zn-Zn-Re Complex Generated by an Anionic Rhenium(I) η^2 -Diketimate. <i>Journal of the American Chemical Society</i> , 2019, 141, 800-804.	6.6	28
104	Chemoselective and Site-Selective Reductions Catalyzed by a Supramolecular Host and a Pyridine-Borane Cofactor. <i>Journal of the American Chemical Society</i> , 2021, 143, 2108-2114.	6.6	28
105	Synthesis of Stable Gold(III) Pincer Complexes with Anionic Heteroatom Donors. <i>Organometallics</i> , 2014, 33, 4169-4172.	1.1	27
106	Heterogeneous Supramolecular Catalysis through Immobilization of Anionic M ₄ L ₆ Assemblies on Cationic Polymers. <i>Journal of the American Chemical Society</i> , 2020, 142, 19327-19338.	6.6	27
107	Synthesis, structure and reactivity of (η^5 -cyclopentadienyl)nitrosylcobalt. <i>Journal of the American Chemical Society</i> , 1984, 106, 7462-7468.	6.6	26
108	New Regio- and Stereoselective Cascades via Unstabilized Azomethine Ylide Cycloadditions for the Synthesis of Highly Substituted Tropane and Indolizidine Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 12664-12670.	6.6	26

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109	Activation of Carbon-Hydrogen Bonds in Alkanes and Other Organic Molecules Using Organotransition Metal Complexes. <i>Advances in Chemistry Series</i> , 1992, , 211-220.	0.6	25
110	Activation of Organic Disulfides by a Paramagnetic Heterobimetallic Tantalum/Cobalt Complex and a Comparison of Their Reactions with Cobaltocene. Evidence for a Dependence of Mechanism on the Electronic Properties of the Disulfide. <i>Journal of the American Chemical Society</i> , 1996, 118, 1793-1794.	6.6	25
111	Synthesis of Novel Group 4 Complexes Bearing the Tropidynyl Ligand: Investigations of Dynamic Behavior, Reactivity, and Catalytic Olefin Polymerization. <i>Organometallics</i> , 2000, 19, 1406-1421.	1.1	25
112	Reactions of Imines with Azazirconacyclobutenes and Generation of Electron-Deficient Imidozirconocene Complexes. <i>Organometallics</i> , 2004, 23, 2231-2233.	1.1	25
113	Regio- and Diastereoselective Synthesis of Highly Substituted, Oxygenated Piperidines from Tetrahydropyridines. <i>Journal of Organic Chemistry</i> , 2015, 80, 6660-6668.	1.7	25
114	Oxygen Atom Transfer and Intramolecular Nitrene Transfer in a Rhenium η^2 -Diketimate Complex. <i>Inorganic Chemistry</i> , 2016, 55, 11993-12000.	1.9	25
115	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
116	Rapid Reduction of Nitric Oxide to Dinitrogen by Zirconium(II): Kinetic Studies on a Reaction Controlled by Gas-Liquid Transport. <i>Journal of the American Chemical Society</i> , 1999, 121, 8260-8269.	6.6	24
117	Photo-activation of d^{0} niobium imido azides: en route to nitrido complexes. <i>Chemical Communications</i> , 2016, 52, 5538-5541.	2.2	24
118	Binding of Chlorohydrocarbons to Metal Centers: Quantitative Evaluation of Relative Binding Constants and Structural Characterization of the First Isolable Transition Metal-Chloromethane Adduct. <i>Journal of the American Chemical Society</i> , 2001, 123, 11508-11509.	6.6	22
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