

Robert G Bergman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Applications of Low-Valent Transition Metalates: Development of a Reactive Noncarbonyl Rhenium(I) Anion. <i>Accounts of Chemical Research</i> , 2022, 55, 783-793.	7.6	9
2	[3 + 2] Cycloadditions and Retrocycloadditions of Niobium Imido Complexes: An Experimental and Computational Mechanistic Study. <i>Inorganic Chemistry</i> , 2022, 61, 6574-6583.	1.9	4
3	Source of Rate Acceleration for Carbocation Cyclization in Biomimetic Supramolecular Cages. <i>Journal of the American Chemical Society</i> , 2022, 144, 11413-11424.	6.6	15
4	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
5	Engendering reactivity at group 5-heteroatom multiple bonds via π -loading. <i>Chemical Science</i> , 2022, 13, 8224-8242.	3.7	4
6	π or σ ? Bonding interactions in a series of rhenium metallotetrylenes. <i>Dalton Transactions</i> , 2021, 50, 2083-2092.	1.6	9
7	A Diverse Array of C=C Bonds Formed at a Tantalum Metal Center. <i>Inorganic Chemistry</i> , 2021, 60, 9912-9931.	1.9	7
8	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
9	Enantioselective Kinetic Resolution/Desymmetrization of <i>para</i> -Quinols: A Case Study in Boronic Acid-Directed Phosphoric Acid Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 295-301.	2.1	18
10	A Nanovessel-Catalyzed Three-Component Aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 733-737.	6.6	39
11	1,2-Addition and cycloaddition reactions of niobium bis(imido) and oxo imido complexes. <i>Chemical Science</i> , 2020, 11, 11613-11632.	3.7	17
12	Diverse Reactivity of a Rhenium(V) Oxo Imido Complex: [2 + 2] Cycloadditions, Chalcogen Metathesis, Oxygen Atom Transfer, and Protic and Hydridic 1,2-Additions. <i>Inorganic Chemistry</i> , 2020, 59, 11096-11107.	1.9	10
13	Advances in supramolecular host-mediated reactivity. <i>Nature Catalysis</i> , 2020, 3, 969-984.	16.1	216
14	Electronic Structures of Rhenium(II) η^2 -Diketiminates Probed by EPR Spectroscopy: Direct Comparison of an Acceptor-Free Complex to Its Dinitrogen, Isocyanide, and Carbon Monoxide Adducts. <i>Journal of the American Chemical Society</i> , 2020, 142, 13805-13813.	6.6	10
15	Heterogeneous Supramolecular Catalysis through Immobilization of Anionic M_4L_6 Assemblies on Cationic Polymers. <i>Journal of the American Chemical Society</i> , 2020, 142, 19327-19338.	6.6	27
16	Electron acceptors promote proton-hydride tautomerism in low valent rhenium η^2 -diketiminates. <i>Chemical Communications</i> , 2020, 56, 3761-3764.	2.2	10
17	Facile Activation of Triarylboranes by Rhenium(V) Oxo Imido Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 7216-7226.	1.9	5
18	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

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19	H ₂ Activation and Direct Access to Terminal Nitride and <i>cyclo</i> -P ₃ Complexes by an Acceptor-Free Rhenium(II) $\hat{\text{I}}^2$ -Diketiminato. <i>Inorganic Chemistry</i> , 2019, 58, 13492-13501.	1.9	17
20	Supramolecular Host-Selective Activation of Iodoarenes by Encapsulated Organometallics. <i>Journal of the American Chemical Society</i> , 2019, 141, 1701-1706.	6.6	43
21	Controlling dinitrogen functionalization at rhenium through alkali metal ion pairing. <i>Dalton Transactions</i> , 2019, 48, 17936-17944.	1.6	22
22	Structural diversity in multinuclear tantalum polyhydrides formed via reductive hydrogenolysis of metal-carbon bonds. <i>Chemical Communications</i> , 2019, 55, 13263-13266.	2.2	13
23	Heterotetrametallic Re-Zn-Zn-Re Complex Generated by an Anionic Rhenium(I) $\hat{\text{I}}^2$ -Diketiminato. <i>Journal of the American Chemical Society</i> , 2019, 141, 800-804.	6.6	28
24	Hydroboration Reactivity of Niobium Bis(N-heterocyclic carbene)borate Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 5213-5224.	1.9	16
25	Self-Assembled Tetrahedral Hosts as Supramolecular Catalysts. <i>Accounts of Chemical Research</i> , 2018, 51, 2447-2455.	7.6	292
26	Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 6591-6595.	6.6	81
27	Reductions of a Rhenium(III) Terminal Oxo Complex by Isocyanides and Carbon Monoxide. <i>Organometallics</i> , 2018, 37, 3552-3557.	1.1	10
28	Redox-Initiated Reactivity of Dinuclear $\hat{\text{I}}^2$ -Diketiminatonio niobium Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 1626-1637.	1.9	9
29	Synthesis and Redox Chemistry of a Tantalum Alkydene Complex Bearing a Metallaimidazole Ring. <i>Organometallics</i> , 2017, 36, 3520-3529.	1.1	7
30	Olefin-Supported Rhenium(III) Terminal Oxo Complexes Generated by Nucleophilic Addition to a Cyclopentadienyl Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14241-14245.	7.2	16
31	Thorium Metallacycle Facilitates Catalytic Alkyne Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2017, 139, 12935-12938.	6.6	43
32	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
33	Olefin-Supported Rhenium(III) Terminal Oxo Complexes Generated by Nucleophilic Addition to a Cyclopentadienyl Ligand. <i>Angewandte Chemie</i> , 2017, 129, 14429-14433.	1.6	1
34	Photo-activation of d ⁰ niobium imido azides: en route to nitrido complexes. <i>Chemical Communications</i> , 2016, 52, 5538-5541.	2.2	24
35	Lewis acid-base interactions between platinum(<i>scp</i>) 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
36	Reproduzierbarkeit in der chemischen Forschung. <i>Angewandte Chemie</i> , 2016, 128, 12736-12737.	1.6	11

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37	Reproducibility in Chemical Research. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12548-12549.	7.2	45
38	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
39	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
40	Unusual η^1 coordination of a η^2 -diketiminato ligand in niobium complexes. <i>Dalton Transactions</i> , 2016, 45, 12661-12668.	1.6	11
41	Oxygen Atom Transfer and Intramolecular Nitrene Transfer in a Rhenium η^2 -Diketiminato Complex. <i>Inorganic Chemistry</i> , 2016, 55, 11993-12000.	1.9	25
42	Group 5 chemistry supported by η^2 -diketiminato ligands. <i>Dalton Transactions</i> , 2016, 45, 15725-15745.	1.6	43
43	Improved scope and diastereoselectivity of C-H activation in an expanded supramolecular host. <i>Supramolecular Chemistry</i> , 2016, 28, 188-191.	1.5	1
44	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
45	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
46	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
47	Facile Rh(III)-Catalyzed Synthesis of Fluorinated Pyridines. <i>Organic Letters</i> , 2015, 17, 2567-2569.	2.4	42
48	A supramolecular microenvironment strategy for transition metal catalysis. <i>Science</i> , 2015, 350, 1235-1238.	6.0	401
49	Electron localization in a mixed-valence diniohium benzene complex. <i>Chemical Science</i> , 2015, 6, 993-1003.	3.7	22
50	C-F sp^2 bond functionalization mediated by niobium complexes. <i>Dalton Transactions</i> , 2015, 44, 19494-19500.	1.6	13
51	Regio- and Diastereoselective Synthesis of Highly Substituted, Oxygenated Piperidines from Tetrahydropyridines. <i>Journal of Organic Chemistry</i> , 2015, 80, 6660-6668.	1.7	25
52	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
53	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
54	Supramolecular Catalysis in Metal-Ligand Cluster Hosts. <i>Chemical Reviews</i> , 2015, 115, 3012-3035.	23.0	1,021

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55	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
56	Rhodium(I)-Catalyzed Cycloisomerization of 1,6-Enynes. <i>Synlett</i> , 2015, 26, 1533-1536.	1.0	5
57	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
58	Protein-like proton exchange in a synthetic host cavity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15303-15307.	3.3	16
59	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
60	Synthesis of Stable Gold(III) Pincer Complexes with Anionic Heteroatom Donors. <i>Organometallics</i> , 2014, 33, 4169-4172.	1.1	27
61	Reaction of (Bisimido)niobium(V) Complexes with Organic Azides: [3 + 2] Cycloaddition and Reversible Cleavage of $\hat{\nu}^2$ -Diketiminato Ligands Involving Nitrene Transfer. <i>Journal of the American Chemical Society</i> , 2014, 136, 2994-2997.	6.6	47
62	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
63	Preparation and reactivity of terminal gold(III) amides and phosphides. <i>Chemical Science</i> , 2013, 4, 1023-1027.	3.7	53
64	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
65	Diniobium Inverted Sandwich Complexes with $\hat{\nu}^4$ - $\hat{\nu}^6$ -Arene Ligands: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
66	Controlled Hydrosilylation of Carbonyls and Imines Catalyzed by a Cationic Aluminum Alkyl Complex. <i>Organometallics</i> , 2012, 31, 2530-2533.	1.1	62
67	Synthesis and reactivity of cationic niobium and tantalum methyl complexes supported by imido and $\hat{\nu}^2$ -diketiminato ligands. <i>Dalton Transactions</i> , 2011, 40, 7718.	1.6	29
68	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
69	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
70	Enzymelike Catalysis of the Nazarov Cyclization by Supramolecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2010, 132, 6938-6940.	6.6	308
71	Synthesis, Characterization, and Reactions of Isolable ($\hat{\nu}^2$ -Diketiminato)niobium(III) Imido Complexes. <i>Organometallics</i> , 2010, 29, 5010-5025.	1.1	56
72	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

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73	Highly Efficient Aluminum-Catalyzed Hydro-amination/-hydrazination of Carbodiimides. <i>Organometallics</i> , 2010, 29, 5946-5952.	1.1	64
74	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
75	Halo, Alkyl, Aryl, and Bis(imido) Complexes of Niobium Supported by the $\hat{\text{I}}^2$ -Diketiminato Ligand. <i>Organometallics</i> , 2010, 29, 2926-2942.	1.1	71
76	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
77	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
78	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
79	(N,N -chelate)(Olefin) Platinum (O) Complexes. <i>Inorganic Syntheses</i> , 2007, , 158-162.	0.3	7
80	Tetrahydrido($\hat{\text{I}}$ -5 -Pentamethylcyclopenta-Dienyl)Iridium. <i>Inorganic Syntheses</i> , 2007, , 19-22.	0.3	3
81	Platinum Group Thiophenoxyimine Complexes: $\hat{\text{A}}$ Syntheses and Crystallographic/Computational Studies. <i>Organometallics</i> , 2007, 26, 897-909.	1.1	22
82	Acid Catalysis in Basic Solution: A Supramolecular Host Promotes Orthoformate Hydrolysis. <i>Science</i> , 2007, 316, 85-88.	6.0	717
83	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
84	Molecular Recognition and Stabilization of Iminium Ions in Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 14464-14465.	6.6	216
85	Neutral and Cationic Alkyl Tantalum Imido Complexes: $\hat{\text{A}}$ Synthesis and Migratory Insertion Reactions. <i>Organometallics</i> , 2006, 25, 3394-3406.	1.1	50
86	Supramolecular Catalysis of Unimolecular Rearrangements: $\hat{\text{A}}$ Substrate Scope and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2006, 128, 10240-10252.	6.6	170
87	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
88	The neighboring group effect of fluorine in the tritium labeling of organic substrates with $[\text{Cp}^*(\text{PMe}_3)\text{IrMe}(\text{CH}_2\text{Cl}_2)]^+[\text{BARf}]^{\hat{\text{a}}-}$, a cationic iridium(III) complex. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006, 49, 623-634.	0.5	19
89	Preagostic $\text{Rh}^{\hat{\text{a}}}\text{H}$ Interactions and $\text{C}^{\hat{\text{a}}}\text{H}$ Bond Functionalization: $\hat{\text{a}}\text{€}\%$ A Combined Experimental and Theoretical Investigation of Rhodium(I) Phosphinite Complexes. <i>Organometallics</i> , 2005, 24, 5737-5746.	1.1	107
90	Carboamination: Additions of Imine $\text{C}\hat{\text{I}}\frac{3}{4}\text{N}$ Bonds Across Alkynes Catalyzed by Imidozirconium Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5372-5374.	7.2	64

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91	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
92	Reactions of Imines with Azazirconacyclobutenes and Generation of Electron-Deficient Imidozirconocene Complexes. <i>Organometallics</i> , 2004, 23, 2231-2233.	1.1	25
93	Catalytic Hydroamination of Alkynes and Norbornene with Neutral and Cationic Tantalum Imido Complexes. <i>Organic Letters</i> , 2004, 6, 2519-2522.	2.4	114
94	C-H Bond Activation by Iridium and Rhodium Complexes: Catalytic Hydrogen-Deuterium Exchange and C-C Bond-Forming Reactions. <i>ACS Symposium Series</i> , 2004, , 46-55.	0.5	19
95	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
96	Reactions of $Cp^*(PMe_3)Ir(Me)OTf$ 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
97	Selective transformations of organic compounds by imidozirconocene complexes. <i>Chemical Record</i> , 2002, 2, 431-445.	2.9	176
98	Addendum to Structure and Reactivity of Early-Late Heterobimetallic Complexes. <i>Chemical Reviews</i> , 2001, 101, 207-208.	23.0	3
99	Binding of Chlorohydrocarbons to Metal Centers: A 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
100	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
101	Mechanistic Investigation of the Reaction of Iridium Dihydride Complexes with Organic Acid Chlorides. <i>Organometallics</i> , 2000, 19, 2073-2083.	1.1	19
102	Reactivity of a Parent Amidoruthenium Complex: A Transition Metal Amide of Exceptionally High Basicity. <i>Journal of the American Chemical Society</i> , 2000, 122, 8799-8800.	6.6	73
103	Insertion of Nitriles into a Zirconium-Iridium Heterobimetallic Complex: A Mechanistic Study. <i>Organometallics</i> , 2000, 19, 602-614.	1.1	46
104	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
105	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
106	Dihydrogen Activation by Titanium Sulfide Complexes. <i>Organometallics</i> , 1999, 18, 5502-5510.	1.1	115
107	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
108	Double Group Transfer Reactions of an Unsaturated Tantalum Methylidene Complex with Pyridine N-Oxides. <i>Organometallics</i> , 1999, 18, 4465-4467.	1.1	34

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109	Deprotonation of the Transition Metal Hydride ($\eta^5\text{-C}_5\text{Me}_5$)(PMe ₃)IrH ₂ . Synthesis and Chemistry of the Strongly Basic Lithium Iridate ($\eta^5\text{-C}_5\text{Me}_5$)(PMe ₃)Ir(H)(Li). <i>Organometallics</i> , 1999, 18, 2005-2020.	1.1	66
110	Application of the E-C Approach to Understanding the Bond Energies Thermodynamics of Late-Metal Amido, Aryloxo and Alkoxo Complexes: An Alternative to π - σ Repulsion. <i>Comments on Inorganic Chemistry</i> , 1999, 21, 115-129.	3.0	103
111	Tantalum-Mediated Cleavage of an NN Bond in an Organic Diazene (Azoarene) to Produce an Imidometal (MNR) Complex: An η^2 -Diazene Complex Is Not an Intermediate. <i>Organometallics</i> , 1999, 18, 811-813.	1.1	37
112	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
113	Reactivity of a Terminal Ti(IV) Imido Complex toward Alkenes and Alkynes: Cycloaddition vs $\text{C}\alpha\text{-H}$ Activation. <i>Journal of the American Chemical Society</i> , 1998, 120, 13405-13414.	6.6	164
114	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
115	Reaction of Organic Disulfides with Cobalt-Centered Metal Radicals. Use of the E- and C-Based Dual-Parameter Substituent Model and Quantitative Solvent Effect Analyses To Compare Outer-Sphere and Inner-Sphere Electron-Transfer Processes. <i>Journal of the American Chemical Society</i> , 1998, 120, 8755-8766.	6.6	12
116	A Useful Method for Preparing Iridium Alkoxides and a Study of Their Catalytic Decomposition by Iridium Cations: A New Mode of η^2 -Hydride Elimination for Coordinatively Saturated Metal Alkoxides. <i>Journal of the American Chemical Society</i> , 1998, 120, 6826-6827.	6.6	65
117	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
118	Cycloaddition and Nucleophilic Substitution Reactions of the Monomeric Titanocene Sulfido Complex ($\eta^5\text{-C}_5\text{Me}_5$) ₂ (C ₅ H ₅ N)TiS. <i>Journal of the American Chemical Society</i> , 1998, 120, 7825-7834.	6.6	31
119	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 ^{III} -Al and Ir ^{III} -Mg Heterobimetallics. <i>Journal of the American Chemical Society</i> , 1998, 120, 223-224.	6.6	98
120	Sub-Picosecond IR Study of the Reactive Intermediate in an Alkane $\text{C}\alpha\text{-H}$ Bond Activation Reaction by CpRh(CO) ₂ . <i>Organometallics</i> , 1998, 17, 3417-3419.	1.1	57
121	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
122	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
123	The Mechanism of Addition of an Ir ^{III} -OH bond to Ethylene. Catalytic Tandem Activation by Two [$\eta^5\text{-Cp}^*(\text{Ph})\text{IrPMe}_3$] ⁺ Complex Fragments. <i>Journal of the American Chemical Society</i> , 1997, 119, 2580-2581.	6.6	46
124	$\text{C}\alpha\text{-C}$ and $\text{C}\alpha\text{-H}$ Bond Activation at Ruthenium(II): 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
125	Nitrous Oxide Mediated Oxygen Atom Insertion into a Ruthenium ^{II} -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
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