

# T Brent Gunnoe

## List of Publications by Year in descending order

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153  
papers

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162  
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162  
docs citations

162  
times ranked

4828  
citing authors

#	ARTICLE	IF	CITATIONS
1	To Err is Human; To Reproduce Takes Time. ACS Catalysis, 2022, 12, 3644-3650.	5.5	16
2	Aerobic Partial Oxidation of Alkanes Using Photodriven Iron Catalysis. Inorganic Chemistry, 2022, 61, 759-766.	1.9	9
3	Manganese Catalyzed Partial Oxidation of Light Alkanes. ACS Catalysis, 2022, 12, 5356-5370.	5.5	9
4	Electron-Deficient Ru(II) Complexes as Catalyst Precursors for Ethylene Hydrophenylation. Inorganics, 2022, 10, 76.	1.2	2
5	Oxidative Alkenylation of Arenes Using Supported Rh Materials: Evidence that Active Catalysts are Formed by Rh Leaching. ChemCatChem, 2021, 13, 260-270.	1.8	9
6	Oxygen evolution reaction over catalytic single-site Co in a well-defined brookite TiO <sub>2</sub> nanorod surface. Nature Catalysis, 2021, 4, 36-45.	16.1	189
7	Studies of C-H Activation and Functionalization: Combined Computational and Experimental Efforts to Elucidate Mechanisms, Principles, and Catalysts. Springer Series in Materials Science, 2021, , 767-806.	0.4	2
8	ACS Catalysis™s 10th Anniversary Viewpoints. ACS Catalysis, 2021, 11, 343-344.	5.5	0
9	Role of Axial Ligation in Gating the Reactivity of Dimethylplatinum(III) Diimine Radical Cations. Organometallics, 2021, 40, 333-345.	1.1	0
10	ACS Catalysis Welcomes Professor Cathleen Crudden as Editor-in-Chief. ACS Catalysis, 2021, 11, 2397-2397.	5.5	0
11	Reductive C-C Coupling from Molecular Au(I) Hydrocarbyl Complexes: A Mechanistic Study. Journal of the American Chemical Society, 2021, 143, 2509-2522.	6.6	7
12	Thomas Ward Selected to Receive the 2021 ACS Catalysis Lectureship. ACS Catalysis, 2021, 11, 1816-1817.	5.5	0
13	Advances in Group 10 Transition-Metal-Catalyzed Arene Alkylation and Alkenylation. Journal of the American Chemical Society, 2021, 143, 6746-6766.	6.6	25
14	Mechanistic Studies of Styrene Production from Benzene and Ethylene Using [( <sup>2</sup> -C <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> Rh( <sup>1/4</sup> -OAc)] <sub>2</sub> as Catalyst Precursor: Identification of a Bis-Rh <sup>I</sup> Mono-Cu <sup>II</sup> Complex As the Catalyst. ACS Catalysis, 2021, 11, 5688-5702.	5.5	9
15	Functionalization of RhIII-Me Bonds: Use of $\sigma$ -Capping Arene-Ligands to Facilitate Me-X Reductive Elimination. Organometallics, 2021, 40, 1889-1906.	1.1	3
16	Electrocatalytic Water Oxidation by a Trinuclear Copper(II) Complex. ACS Catalysis, 2021, 11, 7223-7240.	5.5	35
17	Noncovalent Immobilization of Pentamethylcyclopentadienyl Iridium Complexes on Ordered Mesoporous Carbon for Electrocatalytic Water Oxidation. Small Science, 2021, 1, 2100037.	5.8	7
18	Rhodium and Iridium Complexes Bearing $\sigma$ -Capping Arene-Ligands: Synthesis and Characterization. Organometallics, 2021, 40, 2808-2825.	1.1	4

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19	Immobilization of $\pi$ -Capping Arene-Cobalt(II) Complexes on Ordered Mesoporous Carbon for Electrocatalytic Water Oxidation. ACS Catalysis, 2021, 11, 15068-15082.	5.5	8
20	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: United Kingdom. ACS Catalysis, 2020, 10, 11663-11664.	5.5	3
21	Transition-Metal-Catalyzed Arene Alkylation and Alkenylation: Catalytic Processes for the Generation of Chemical Intermediates. ACS Catalysis, 2020, 10, 14080-14092.	5.5	15
22	Nano-Apples and Orange-Zymes. ACS Catalysis, 2020, 10, 14315-14317.	5.5	33
23	Effects of Additives on Catalytic Arene C-H Activation: Study of Rh Catalysts Supported by Bis-phosphine Pincer Ligands. Organometallics, 2020, 39, 3918-3935.	1.1	4
24	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: Australia, Saudi Arabia, and Singapore. ACS Catalysis, 2020, 10, 10125-10126.	5.5	4
25	Rhodium-Catalyzed Arene Alkenylation Using Only Dioxide as the Oxidant. ACS Catalysis, 2020, 10, 11519-11531.	5.5	22
26	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: Japan. ACS Catalysis, 2020, 10, 10715-10716.	5.5	3
27	ACS Catalysis Highlights Its Most Cited Papers From Around the Globe: United States. ACS Catalysis, 2020, 10, 15140-15141.	5.5	0
28	Organic Electrosynthesis: When Is It Electrocatalysis?. ACS Catalysis, 2020, 10, 13156-13158.	5.5	26
29	Use of Ligand Steric Properties to Control the Thermodynamics and Kinetics of Oxidative Addition and Reductive Elimination with Pincer-Ligated Rh Complexes. Organometallics, 2020, 39, 1917-1933.	1.1	15
30	Synthesis of Stilbenes by Rhodium-Catalyzed Aerobic Alkenylation of Arenes via C-H Activation. Journal of the American Chemical Society, 2020, 142, 10534-10543.	6.6	39
31	Excellence versus Diversity? Not an Either/Or Choice. ACS Catalysis, 2020, 10, 7310-7311.	5.5	4
32	Advances in Rhodium-Catalyzed Oxidative Arene Alkenylation. Accounts of Chemical Research, 2020, 53, 920-936.	7.6	58
33	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: Denmark and Sweden. ACS Catalysis, 2020, 10, 12340-12341.	5.5	2
34	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: Germany and The Netherlands. ACS Catalysis, 2020, 10, 13549-13550.	5.5	2
35	Styrene Production from Benzene and Ethylene Catalyzed by Palladium(II): Enhancement of Selectivity toward Styrene via Temperature-dependent Vinyl Ester Consumption. Organometallics, 2019, 38, 3532-3541.	1.1	15
36	Mechanistic Studies of Single-Step Styrene Production Catalyzed by Rh Complexes with Diimine Ligands: An Evaluation of the Role of Ligands and Induction Period. ACS Catalysis, 2019, 9, 7457-7475.	5.5	23

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37	Selective Photooxygenation of Light Alkanes Using Iodine Oxides and Chloride. <i>ChemCatChem</i> , 2019, 11, 5045-5054.	1.8	14
38	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO <sub>2</sub> Nanorods. <i>Journal of the American Chemical Society</i> , 2019, 141, 16548-16552.	6.6	78
39	Rhodium-Catalyzed Alkenylation of Toluene Using 1-Pentene: Regioselectivity To Generate Precursors for Bicyclic Compounds. <i>Organometallics</i> , 2019, 38, 3860-3870.	1.1	15
40	DFT Mechanistic Study of Methane Mono-Esterification by Hypervalent Iodine Alkane Oxidation Process. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15674-15684.	1.5	13
41	Insights into the Speciation of Cu in the Cu-H-Mordenite Catalyst for the Oxidation of Methane to Methanol. <i>ACS Catalysis</i> , 2019, 9, 5308-5319.	5.5	70
42	High Selectivity Towards Formate Production by Electrochemical Reduction of Carbon Dioxide at Copper-Bismuth Dendrites. <i>ChemSusChem</i> , 2019, 12, 231-239.	3.6	51
43	Mechanism of Hydrocarbon Functionalization by an Iodate/Chloride System: The Role of Ester Protection. <i>ACS Catalysis</i> , 2018, 8, 3138-3149.	5.5	23
44	Catalytic Synthesis of Superlinear Alkenyl Arenes Using a Rh(I) Catalyst Supported by a Capping Arene Ligand: Access to Aerobic Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 17007-17018.	6.6	26
45	Mechanistic Studies of Single-Step Styrene Production Using a Rhodium(I) Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 1485-1498.	6.6	36
46	Brønsted acid-catalysed intramolecular hydroamination of unactivated alkenes: metal triflates as an in situ source of triflic acid. <i>Dalton Transactions</i> , 2017, 46, 2884-2891.	1.6	33
47	Studies of the decomposition of the ethylene hydrophenylation catalyst TpRu(CO)(NCMe)Ph. <i>Journal of Organometallic Chemistry</i> , 2017, 847, 289-293.	0.8	4
48	Catalytic Synthesis of Superlinear Alkenyl Arenes Using an Easily Prepared Rh(I) Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 5474-5480.	6.6	36
49	Oxidative Hydrophenylation of Ethylene Using a Cationic Ru(II) Catalyst: Styrene Production with Ethylene as the Oxidant. <i>Israel Journal of Chemistry</i> , 2017, 57, 1037-1046.	1.0	15
50	Electrochemical Reduction of Carbon Dioxide to Syngas and Formate at Dendritic Copper-Indium Electrocatalysts. <i>ACS Catalysis</i> , 2017, 7, 5381-5390.	5.5	166
51	Electrophilic RhI catalysts for arene H/D exchange in acidic media: Evidence for an electrophilic aromatic substitution mechanism. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 381-388.	4.8	14
52	Combined Furan C-H Activation and Furyl Ring-Opening by an Iron(II) Complex. <i>Organometallics</i> , 2016, 35, 1978-1985.	1.1	9
53	Transition Metal Mediated C-H Activation and Functionalization: The Role of Poly(pyrazolyl)borate and Poly(pyrazolyl)alkane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2296-2311.	1.0	22
54	Transition-Metal-Mediated Nucleophilic Aromatic Substitution with Acids. <i>Organometallics</i> , 2016, 35, 2053-2056.	1.1	17

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55	Aerobic Epoxidation of Olefin by Platinum Catalysts Supported on Mesoporous Silica Nanoparticles. ACS Catalysis, 2016, 6, 4584-4593.	5.5	28
56	Organometallic Complexes Anchored to Conductive Carbon for Electrocatalytic Oxidation of Methane at Low Temperature. Journal of the American Chemical Society, 2016, 138, 116-125.	6.6	34
57	Synthesis of Rh(III) Anilido, Hydroxide, and Methoxide Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 1041-1052.	1.0	5
58	Proton or Metal? The H/D Exchange of Arenes in Acidic Solvents. ACS Catalysis, 2015, 5, 769-775.	5.5	54
59	Partial oxidation of light alkanes by periodate and chloride salts. Dalton Transactions, 2015, 44, 5294-5298.	1.6	21
60	A rhodium catalyst for single-step styrene production from benzene and ethylene. Science, 2015, 348, 421-424.	6.0	94
61	Phosphine and N-heterocyclic carbene ligands on Pt(II) shift selectivity from ethylene hydrophenylation toward benzene vinylation. Journal of Organometallic Chemistry, 2015, 793, 248-255.	0.8	6
62	Rhodium Bis(quinolinyl)benzene Complexes for Methane Activation and Functionalization. Chemistry - A European Journal, 2015, 21, 1286-1293.	1.7	24
63	Arene C-H activation using Rh( <sup>i</sup> ) catalysts supported by bidentate nitrogen chelates. Catalysis Science and Technology, 2015, 5, 96-100.	2.1	25
64	Reductive Functionalization of a Rhodium(III)-Methyl Bond in Acidic Media: Key Step in the Electrophilic Functionalization of Methane. Organometallics, 2014, 33, 6504-6510.	1.1	22
65	Theoretical Study of Reductive Functionalization of Methyl Ligands of Group 9 Complexes Supported by Two Bipyridyl Ligands: A Key Step in Catalytic Hydrocarbon Functionalization. Organometallics, 2014, 33, 1936-1944.	1.1	15
66	C-H Activation of Pyrazolyl Ligands by Ru(II). Inorganic Chemistry, 2014, 53, 6270-6279.	1.9	22
67	Density Functional Theory Study of Oxygen-Atom Insertion into Metal-Methyl Bonds of Iron(II), Ruthenium(II), and Osmium(II) Complexes: Study of Metal-Mediated C-O Bond Formation. Inorganic Chemistry, 2014, 53, 2968-2975.	1.9	16
68	DFT Virtual Screening Identifies Rhodium-Amidinate Complexes As Potential Homogeneous Catalysts for Methane-to-Methanol Oxidation. ACS Catalysis, 2014, 4, 4455-4465.	5.5	24
69	Long-Range C-H Bond Activation by Rh <sup>III</sup> -Carboxylates. Journal of the American Chemical Society, 2014, 136, 14690-14693.	6.6	27
70	Metal-free amidation of ether sp <sup>3</sup> C-H bonds with sulfonamides using PhI(OAc) <sub>2</sub> . RSC Advances, 2014, 4, 47951-47957.	1.7	23
71	Reductive functionalization of a rhodium(III)-methyl bond by electronic modification of the supporting ligand. Dalton Transactions, 2014, 43, 8273.	1.6	26
72	Hydrophenylation of ethylene using a cationic Ru( <sup>II</sup> ) catalyst: comparison to a neutral Ru( <sup>II</sup> ) catalyst. Chemical Science, 2014, 5, 4355-4366.	3.7	37

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73	Oxy-functionalization of Group 9 and 10 transition metal methyl ligands: use of pyridine-based hemi-labile ligands. <i>Dalton Transactions</i> , 2014, 43, 7608-7614.	1.6	9
74	Polymers for the stabilization and delivery of proteins topically and per os to the insect hemocoel through conjugation with aliphatic polyethylene glycol. <i>Pesticide Biochemistry and Physiology</i> , 2014, 115, 58-66.	1.6	3
75	1,2-Addition of Dihydrogen across Rhodium(III) $\sigma$ -OMe Bonds. <i>Inorganic Chemistry</i> , 2014, 53, 5328-5340.	1.9	7
76	Selective CH Functionalization of Methane, Ethane, and Propane by a Perfluoroarene Iodine(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10490-10494.	7.2	62
77	Selective Monooxidation of Light Alkanes Using Chloride and Iodate. <i>Journal of the American Chemical Society</i> , 2014, 136, 8393-8401.	6.6	53
78	Oxygen Atom Insertion into Iron(II) Phenyl and Methyl Bonds: A Key Step for Catalytic Hydrocarbon Functionalization. <i>Organometallics</i> , 2014, 33, 5597-5605.	1.1	13
79	Pt <sup>II</sup> -Catalyzed Hydrophenylation of $\pm$ -Olefins: Variation of Linear/Branched Products as a Function of Ligand Donor Ability. <i>ACS Catalysis</i> , 2014, 4, 1607-1615.	5.5	36
80	Activation of carbon-hydrogen bonds and dihydrogen by 1,2-CH-addition across metal-heteroatom bonds. <i>Dalton Transactions</i> , 2013, 42, 16646.	1.6	76
81	Facile and Regioselective C-H Bond Activation of Aromatic Substrates by an Fe(II) Complex Involving a Spin-Forbidden Pathway. <i>Organometallics</i> , 2013, 32, 1797-1806.	1.1	32
82	Variable Pathways for Oxygen Atom Insertion into Metal-Carbon Bonds: The Case of Cp*W(O) <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> SiMe <sub>3</sub> . <i>Journal of the American Chemical Society</i> , 2013, 135, 424-435.	6.6	28
83	Platinum(II)-Catalyzed Ethylene Hydrophenylation: Switching Selectivity between Alkyl- and Vinylbenzene Production. <i>Organometallics</i> , 2013, 32, 2857-2865.	1.1	34
84	Pt <sup>II</sup> -Catalyzed Ethylene Hydrophenylation: Influence of Dipyridyl Chelate Ring Size on Catalyst Activity and Longevity. <i>ACS Catalysis</i> , 2013, 3, 1165-1171.	5.5	45
85	Control of Olefin Hydroarylation Catalysis via a Sterically and Electronically Flexible Platinum(II) Catalyst Scaffold. <i>Organometallics</i> , 2013, 32, 3903-3913.	1.1	40
86	Pt <sup>II</sup> and Rh <sup>III</sup> Hydrocarbyl Complexes Bearing Coordinated Oxygen Atom Delivery Reagents. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4515-4525.	1.0	9
87	Carbon-Oxygen Bond Formation via Organometallic Baeyer-Villiger Transformations: A Computational Study on the Impact of Metal Identity. <i>Journal of the American Chemical Society</i> , 2012, 134, 2332-2339.	6.6	44
88	Flavin-Catalyzed Insertion of Oxygen into Rhenium-Methyl Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 12920-12923.	6.6	34
89	Catalytic Hydroarylation of Ethylene Using TpRu(L)(NCMe)Ph (L =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 112 Td (2,6,7-Trioxa 2012, 31, 6851-6860.	1.1	43
90	Intramolecular Hydroalkoxylation and Hydroamination of Alkynes Catalyzed by Cu(I) Complexes Supported by $\pi$ -N-Heterocyclic Carbene Ligands. <i>ACS Catalysis</i> , 2012, 2, 2182-2193.	5.5	65

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91	DFT study of group 8 catalysts for the hydrophenylation of ethylene: Influence of ancillary ligands and metal identity. <i>Journal of Organometallic Chemistry</i> , 2012, 697, 15-22.	0.8	10
92	Functionalization of Rhenium Aryl Bonds by O-Atom Transfer. <i>Organometallics</i> , 2011, 30, 2079-2082.	1.1	35
93	Hyperdistorted Tungsten Allyl Complexes and Their Stereoselective Deprotonation to Form Dihapto-Coordinated Dienes. <i>Organometallics</i> , 2011, 30, 2587-2597.	1.1	24
94	Mechanistic Studies of Ethylene Hydrophenylation Catalyzed by Bipyridyl Pt(II) Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19131-19152.	6.6	76
95	Well-Defined Copper(I) Amido Complex and Aryl Iodides Reacting to Form Aryl Amines. <i>Organometallics</i> , 2011, 30, 55-57.	1.1	24
96	Non-redox Oxy-Insertion via Organometallic Baeyer-Villiger Transformations: A Computational Hammett Study of Platinum(II) Complexes. <i>Organometallics</i> , 2011, 30, 3779-3785.	1.1	35
97	Chemistry in the Center for Catalytic Hydrocarbon Functionalization: An Energy Frontier Research Center. <i>Catalysis Letters</i> , 2011, 141, 213-221.	1.4	35
98	Catalytic Oxy-Functionalization of Methane and Other Hydrocarbons: Fundamental Advancements and New Strategies. <i>ChemSusChem</i> , 2011, 4, 37-49.	3.6	113
99	Transition metal catalyzed hydroarylation of olefins using unactivated substrates: Recent developments and challenges. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 305-315.	0.8	110
100	Pt(II) and Pt(IV) Amido, Aryloxy, and Hydrocarbyl Complexes: Synthesis, Characterization, and Reaction with Dihydrogen and Substrates that Possess C-H Bonds. <i>Inorganic Chemistry</i> , 2011, 50, 4195-4211.	1.9	28
101	Net Hydrogenation of Pt-NHPh Bond Is Catalyzed by Elemental Pt. <i>Journal of the American Chemical Society</i> , 2010, 132, 4520-4521.	6.6	18
102	Ligand Lone-Pair Influence on Hydrocarbon C-H Activation: A Computational Perspective. <i>Organometallics</i> , 2010, 29, 6801-6815.	1.1	53
103	Combined experimental and computational study of W(II), Ru(II), Pt(IV) and Cu(I) amine and amido complexes using <sup>15</sup> N NMR spectroscopy. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1549-1556.	0.8	6
104	Ru(II) Catalysts Supported by Hydridotris(pyrazolyl)borate for the Hydroarylation of Olefins: Reaction Scope, Mechanistic Studies, and Guides for the Development of Improved Catalysts. <i>Accounts of Chemical Research</i> , 2009, 42, 585-597.	7.6	189
105	Activation of sp <sup>3</sup> Carbon-Hydrogen Bonds by a Ruthenium(II) Complex and Subsequent Metal-Mediated C-C and C-N Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 726-730.	7.2	37
106	Anti-Markovnikov hydroamination and hydrothiolation of electron-deficient vinylarenes catalyzed by well-defined monomeric copper(I) amido and thiolate complexes. <i>Chemical Communications</i> , 2008, , 111-113.	2.2	95
107	Aromatic C-H Activation and Catalytic Hydrophenylation of Ethylene by TpRu{P(OCH <sub>2</sub> ) <sub>3</sub> CEt}(NCMe)Ph. <i>Organometallics</i> , 2008, 27, 3007-3017.	1.1	55
108	Preparation and Reactivity of a Monomeric Octahedral Platinum(IV) Amido Complex. <i>Inorganic Chemistry</i> , 2008, 47, 6124-6126.	1.9	9

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109	Hydroarylation of Unactivated Olefins Catalyzed by Platinum(II) Complexes. <i>Organometallics</i> , 2008, 27, 4031-4033.	1.1	77
110	Combined Experimental and Computational Studies on the Nature of Aromatic C-H Activation by Octahedral Ruthenium(II) Complexes: Evidence for $\sigma$ -Bond Metathesis from Hammett Studies. <i>Organometallics</i> , 2007, 26, 6604-6611.	1.1	41
111	Comparative Reactivity of $\text{TpRu(L)(NCMe)Ph}$ (L = CO or $\text{PMe}_3$ ): Impact of Ancillary Ligand L on Activation of Carbon-Hydrogen Bonds Including Catalytic Hydroarylation and Hydrovinylation/Oligomerization of Ethylene. <i>Journal of the American Chemical Society</i> , 2007, 129, 6765-6781.	6.6	99
112	Activation of Carbon-Hydrogen Bonds via 1,2-Addition across $\text{M}^{\text{X}}$ (X = OH or $\text{NH}_2$ ) Bonds of d <sup>6</sup> Transition Metals as a Potential Key Step in Hydrocarbon Functionalization: A Computational Study. <i>Journal of the American Chemical Society</i> , 2007, 129, 13172-13182.	6.6	77
113	Addition of S-H Bonds across Electron-Deficient Olefins Catalyzed by Well-Defined Copper(I) Thiolate Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 2365-2367.	1.9	92
114	Combined Experimental and Computational Study of $\text{TpRu}\{\text{P}(\text{pyr})_3\}(\text{NCMe})\text{Me}$ (pyr = N-pyrrolyl): Inter- and Intramolecular Activation of C-H Bonds and the Impact of Sterics on Catalytic Hydroarylation of Olefins. <i>Organometallics</i> , 2007, 26, 5507-5516.	1.1	50
115	Addition of N-H and O-H Bonds of Amines and Alcohols to Electron-Deficient Olefins Catalyzed by Monomeric Copper(I) Systems: Reaction Scope, Mechanistic Details, and Comparison of Catalyst Efficiency. <i>Organometallics</i> , 2007, 26, 1483-1493.	1.1	131
116	Reactivity of Ruthenium(II) and Copper(I) Complexes that Possess Anionic Heteroatomic Ligands: Synthetic Exploitation of Nucleophilicity and Basicity of Amido, Hydroxo, Alkoxo, and Aryloxo Ligands for the Activation of Substrates that Possess Polar Bonds as well as Nonpolar C-H and H-H Bonds. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1185-1203.	1.0	65
117	Reactivity of $\text{TpRu(L)(NCMe)R}$ (L = CO, $\text{PMe}_3$ ; R = Me, Ph) systems with isonitriles: Experimental and computational studies toward the intra- and intermolecular hydroarylation of isonitriles. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2175-2186.	0.8	15
118	Hydrogen-Deuterium Exchange between $\text{TpRu}(\text{PMe}_3)(\text{L})\text{X}$ (L = $\text{PMe}_3$ and X = OH, OPh, Me, Ph, or NHPH; L = $\text{Tj}$ ETQqO O O rgBT /Overlo the American Chemical Society, 2006, 128, 7982-7994.	6.6	77
119	Octahedral $[\text{TpRu}(\text{PMe}_3)_2\text{OR}]_{n+}$ Complexes (Tp = hydridotris(pyrazolyl)borate; R = H or Ph; n = 0 or 1): Reactions at Ru(II) and Ru(III) Oxidation States with Substrates that Possess Carbon-Hydrogen Bonds. <i>Organometallics</i> , 2006, 25, 5456-5465.	1.1	29
120	Chemistry Surrounding Monomeric Copper(I) Methyl, Phenyl, Anilido, Ethoxide, and Phenoxide Complexes Supported by N-Heterocyclic Carbene Ligands: Reactivity Consistent with Both Early and Late Transition Metal Systems. <i>Inorganic Chemistry</i> , 2006, 45, 9032-9045.	1.9	91
121	Reactions of a Ru(II) Phenyl Complex with Substrates that Possess C-N or C-O Multiple Bonds: C-C Bond Formation, N-H Bond Cleavage, and Decarbonylation Reactions. <i>Organometallics</i> , 2006, 25, 1500-1510.	1.1	26
122	Anti-Markovnikov N-H and O-H Additions to Electron-Deficient Olefins Catalyzed by Well-Defined Cu(I) Anilido, Ethoxide, and Phenoxide Systems. <i>Journal of the American Chemical Society</i> , 2006, 128, 1446-1447.	6.6	107
123	Single-Electron Oxidation of Monomeric Copper(I) Alkyl Complexes: Evidence for Reductive Elimination through Bimolecular Formation of Alkanes. <i>Organometallics</i> , 2006, 25, 4097-4104.	1.1	42
124	Ruthenium(II)-Mediated Carbon-Carbon Bond Formation between Acetonitrile and Pyrrole: A Combined Experimental and Computational Study. <i>Organometallics</i> , 2005, 24, 5015-5024.	1.1	27
125	Cleavage of X-H Bonds (X = N, O, or C) by Copper(I) Alkyl Complexes To Form Monomeric Two-Coordinate Copper(I) Systems. <i>Inorganic Chemistry</i> , 2005, 44, 8647-8649.	1.9	78
126	Evidence for the Net Addition of Arene C-H Bonds across a Ru(II)-Hydroxide Bond. <i>Journal of the American Chemical Society</i> , 2005, 127, 14174-14175.	6.6	112



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127	Reactions of (PCP)Ru(CO)(NHPH)(PMe <sub>3</sub> ) (PCP = 2,6-(CH <sub>2</sub> PtBu <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) with Substrates That Possess Polar Bonds. <i>Inorganic Chemistry</i> , 2005, 44, 2895-2907.	1.9	30
128	Conversions of Ruthenium(III) Alkyl Complexes to Ruthenium(II) through Ru-Calkyl Bond Homolysis. <i>Organometallics</i> , 2005, 24, 1301-1305.	1.1	23
129	Synthesis and Reactivity of a Coordinatively Unsaturated Ruthenium(II) Parent Amido Complex: Studies of X-H Activation (X = H or C). <i>Organometallics</i> , 2004, 23, 2724-2733.	1.1	109
130	Experimental and Computational Studies of Ruthenium(II)-Catalyzed Addition of Arene C-H Bonds to Olefins. <i>Organometallics</i> , 2004, 23, 5007-5020.	1.1	123
131	Reactions of TpRu(CO)(NCMe)(Me) (Tp = Hydridotris(pyrazolyl)borate) with Heteroaromatic Substrates: Stoichiometric and Catalytic C-H Activation. <i>Organometallics</i> , 2004, 23, 5514-5523.	1.1	65
132	Ruthenium(II) Anilido Complex Containing a Bisphosphine Pincer Ligand: Reversible Formation of Amidinate Ligands via Intramolecular C-N Bond Formation. <i>Organometallics</i> , 2004, 23, 3094-3097.	1.1	16
133	Synthesis, Solid-State Crystal Structure, and Reactivity of a Monomeric Copper(I) Anilido Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 9435-9441.	6.6	57
134	Computational Study of Methane Activation by TpRe(CO) <sub>2</sub> and CpRe(CO) <sub>2</sub> with a Stereoelectronic Comparison of Cyclopentadienyl and Scorpionate Ligands. <i>Organometallics</i> , 2003, 22, 2331-2337.	1.1	71
135	Radical Polymerization of Styrene and Methyl Methacrylate with Ruthenium(II) Complexes. <i>Organometallics</i> , 2003, 22, 4692-4698.	1.1	24
136	Octahedral Ru(II) Amido Complexes TpRu(L)(L')(NHR) (Tp = Hydridotris(pyrazolyl)borate; L = L' = P(OMe) <sub>3</sub> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Weakly Acidic C-H Bonds. <i>Inorganic Chemistry</i> , 2003, 42, 4759-4772.	1.9	43
137	Addition of Arenes to Ethylene and Propene Catalyzed by Ruthenium. <i>Journal of the American Chemical Society</i> , 2003, 125, 7506-7507.	6.6	141
138	Reactions of Ruthenium Benzylidene Complexes with Cyclic and Acyclic Imines: Oligomerization of 1-Pyrroline and Metathesis via Tautomerism. <i>Organometallics</i> , 2003, 22, 2291-2297.	1.1	11
139	Ruthenium(II) Anilido Complexes TpRuL <sub>2</sub> (NHPH): Oxidative 4,4'-Aryl Coupling Reactions (Tp =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td	1.1	14
140	Ligand-Modulated Stereo- and Regioselective Tandem Addition Reactions of Rhenium-Bound Naphthalene. <i>Journal of the American Chemical Society</i> , 2002, 124, 3309-3315.	6.6	32
141	Influence of Filled d-Manifold and L/L' Ligands on the Structure, Basicity, and Bond Rotations of the Octahedral d <sup>6</sup> Amido Complexes TpRu(L)(L')(NHPH) (Tp = Hydridotris(pyrazolyl)borate; L = L' =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td	1.9	41
142	Synthesis of the Ru(IV) amido complex [TpRu(CO)(PPh <sub>3</sub> )(NHPH)](OTf) <sub>2</sub> (Tp = Hydridotris(pyrazolyl)borate); Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td computational study of Ru(IV) imido bonding Electronic supplementary information (ESI) available: experimental procedures; Table 1 comparing calculated structural parameters for complex 2 versus data from the CSD; references. See <a href="http://www.rsc.org/suppdata/cc/b1/b110999e/">http://www.rsc.org/suppdata/cc/b1/b110999e/</a> . <i>Chemical Communications</i> , 2002, 372-373	2.2	8
143	Dinapto Coordination of Aromatic Molecules by the Asymmetric $\eta^5$ -Bases {TpRe(CO)(L)} (Tp =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td	1.1	43
144	Preparation of the Octahedral d <sup>6</sup> Amido Complex TpRu(CO)(PPh <sub>3</sub> )(NHPH) (Tp =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Hydridotrispyrazolyl)borate). <i>Inorganic Chemistry</i> , 2001, 40, 6481-6486.	1.9	30

#	ARTICLE	IF	CITATIONS
145	Synthesis and Reactivity of the Octahedral d <sup>6</sup> Parent Amido Complexes TpRu(L)(L <sup>â€</sup> )(NH <sub>2</sub> ) (Tp = Tj ETQq1 1 0.784314 rgBT /Overlook Organometallics, 2001, 20, 5254-5256.	1.1	45
146	A Promising New Dearomatization Agent:â€ Crystal Structure, Synthesis, and Exchange Reactions of the Versatile Complex TpRe(CO)(1-methylimidazole)(1-2-benzene) (Tp = Hydridotris(pyrazolyl)borate). Organometallics, 2001, 20, 1038-1040.	1.1	45
147	Stereoselective Dihapto-Binding of Prochiral Aromatic Compounds by {TpRe(CO)(PMe <sub>3</sub> )}:â€ Synthesis, Characterization, Stability, and Enantiofacial Discrimination (Tp = Hydrido(tris)pyrazolylborate). Organometallics, 2000, 19, 728-740.	1.1	40
148	Comparison of the Relative Electron-Donating Abilities of Hydridotris(pyrazolyl)borate and Cyclopentadienyl Ligands:â€ Different Interactions with Different Transition Metals. Organometallics, 2000, 19, 2428-2432.	1.1	128
149	{TpRe(bpy)}:â€ A Novel Pentaaminerhenium System That Stabilizes Both High and Low Oxidation States (Tp) Tj ETQq1 1 0.784314 rgBT	1.1	45
150	Rhenium(I) Terpyridine Iâ€Bases:â€ Reversible I <sup>2</sup> -Coordination of Ketones, Aldehydes, and Olefins in the Terpyridine Plane. Organometallics, 1999, 18, 573-581.	1.1	28
151	Enantiofacial Discrimination in Dihapto-Coordination of Aromatic Molecules by the Chiral Iâ€Base/I <sup>f</sup> -Lewis Acid {TpRe(CO)(PMe <sub>3</sub> )}. Journal of the American Chemical Society, 1999, 121, 6499-6500.	6.6	30
152	Reactions of TpRe(CO) <sub>2</sub> (THF) with Aromatic Molecules (Tp = Hydridotris(pyrazolyl)borate). Journal of the American Chemical Society, 1998, 120, 8747-8754.	6.6	43
153	Reaction Mechanism Underlying Pd(II)-Catalyzed Oxidative Coupling of Ethylene and Benzene to Form Styrene: Identification of a Cyclic Mono-Pd<sup>II</sup> Bis-Cu<sup>II</sup> Complex as the Active Catalyst. Organometallics, 0, , .	1.1	4