

John A Gladysz

List of Publications by Year in descending order

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14655

66
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30087

103
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528
all docs

528
docs citations

528
times ranked

7723
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon in One Dimension: Structural Analysis of the Higher Conjugated Polyynes. <i>Chemical Reviews</i> , 2003, 103, 4175-4206.	47.7	396
2	Toward Metal-Capped One-Dimensional Carbon Allotropes: Wirelike C ₆ -C ₂₀ Polyynediyl Chains That Span Two Redox-Active (η ⁵ -C ₅ Me ₅)Re(NO)(PPh ₃) Endgroups. <i>Journal of the American Chemical Society</i> , 2000, 122, 810-822.	13.7	394
3	Introduction: Recoverable Catalysts and Reagents Perspective and Prospective. <i>Chemical Reviews</i> , 2002, 102, 3215-3216.	47.7	371
4	Consanguineous Families of Coordinated Carbon: A ReC ₄ Re Assembly That Is Isolable in Three Oxidation States, Including Crystallographically Characterized ReC ₄ Re and ReCCCCRe Adducts and a Radical Cation in Which Charge Is Delocalized between Rhenium Termini. <i>Journal of the American Chemical Society</i> , 1997, 119, 775-788.	13.7	294
5	Fluorous chemistry: from biphasic catalysis to a parallel chemical universe and beyond. <i>Tetrahedron</i> , 2002, 58, 3823-3825.	1.9	286
6	Recoverable catalysts. Ultimate goals, criteria of evaluation, and the green chemistry interface. <i>Pure and Applied Chemistry</i> , 2001, 73, 1319-1324.	1.9	230
7	Frontiers in Metal-Catalyzed Polymerization: Designer Metallocenes, Designs on New Monomers, Demystifying MAO, Metathesis. <i>Chemical Reviews</i> , 2000, 100, 1167-1168.	47.7	207
8	A Step-Growth Approach to Metal-Capped One-Dimensional Carbon Allotropes: Syntheses of C ₁₂ , C ₁₆ , and C ₂₀ -Polyynediyl Complexes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 414-417.	4.4	192
9	Fluorous Catalysis under Homogeneous Conditions without Fluorous Solvents: A Greener Catalyst Recycling Protocol Based upon Temperature-Dependent Solubilities and Liquid/Solid Phase Separation. <i>Journal of the American Chemical Society</i> , 2003, 125, 5861-5872.	13.7	189
10	Fluorous Catalysis without Fluorous Solvents: A Friendlier Catalyst Recovery/Recycling Protocol Based upon Thermomorphic Properties and Liquid/Solid Phase Separation. <i>Journal of the American Chemical Society</i> , 2001, 123, 11490-11491.	13.7	184
11	Highly Active Thermomorphic Fluorous Palladacycle Catalyst Precursors for the Heck Reaction; Evidence for a Palladium Nanoparticle Pathway. <i>Organic Letters</i> , 2002, 4, 1993-1996.	4.6	176
12	Thermomorphic fluorous imine and thioether palladacycles as precursors for highly active Heck and Suzuki catalysts; evidence for palladium nanoparticle pathways. <i>New Journal of Chemistry</i> , 2003, 27, 39-49.	2.8	171
13	Convenient one-flask synthesis of dialkyl selenides and diselenides via lithium triethylborohydride reduction of Se ₂ . <i>Journal of Organic Chemistry</i> , 1978, 43, 1204-1208.	3.2	165
14	A Conjugated Consanguineous Family of Butadiynediyl-Derived Complexes: Synthesis and Electronic Ground States of Neutral, Radical Cationic, and Dicationic Iron/Rhenium C ₄ Species. <i>Journal of the American Chemical Society</i> , 2000, 122, 9405-9414.	13.7	162
15	Synthesis, Structure, and Redox Chemistry of Heteropolymetallic Carbon Complexes with MC ₂ M', MC ₄ M', and MC ₄ M'C ₄ M Linkages. Transmetalations of Lithiocarbon Complexes (η ⁵ -C ₅ Me ₅)Re(NO)(PPh ₃)(C.tplbond.CLi) and (η ⁵ -C ₅ Me ₅)Re(NO)(PPh ₃)(C.tplbond.CC.tplbond.CLi). <i>Journal of the American Chemical Society</i> , 1995, 117, 11922-11931.	13.7	148
16	Transition Metal Catalysis in Fluorous Media: Practical Application of a New Immobilization Principle to Rhodium-Catalyzed Hydroborations of Alkenes and Alkynes. <i>Journal of the American Chemical Society</i> , 1999, 121, 2696-2704.	13.7	148
17	Molecular Gyroscopes: {Fe(CO) ₃ } and {Fe(CO) ₂ (NO)} ⁺ Rotators Encased in Three-Spoke Stators; Facile Assembly by Alkene Metatheses. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5537-5540.	13.8	147
18	Synthesis, Structure, and Reactivity of sp Carbon Chains with Bis(phosphine) Pentafluorophenylplatinum Endgroups: Butadiynediyl (C ₄) through Hexadecaoctaynediyl (C ₁₆) Bridges, and Beyond. <i>Chemistry - A European Journal</i> , 2003, 9, 3324-3340.	3.3	144

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19	Are Teflon "Ponytails" the Coming Fashion for Catalysts?. <i>Science</i> , 1994, 266, 55-56.	12.6	139
20	Synthesis and electrophile-induced disproportionation of the neutral formyl triphenylphosphinenitrosyl- η -cyclopentadienylrhenium formyl ($(\eta$ -C ₅ H ₅)Re(NO)(PPh ₃)(CHO)). <i>Journal of the American Chemical Society</i> , 1982, 104, 141-152.	13.7	136
21	A Synthetic Breakthrough into an Unanticipated Stability Regime: A Series of Isolable Complexes in which C ₆ , C ₈ , C ₁₀ , C ₁₂ , C ₁₆ , C ₂₀ , C ₂₄ , and C ₂₈ Polyynediyl Chains Span Two Platinum Atoms. <i>Chemistry - A European Journal</i> , 2006, 12, 6486-6505.	3.3	134
22	Synthesis of metal carbonyl monoanions by trialkylborohydride cleavage of metal carbonyl dimers: a convenient one-flask preparation of metal alkyls, metal acyls, and mixed-metal compounds. <i>Inorganic Chemistry</i> , 1979, 18, 553-558.	4.0	131
23	A new form of coordinated carbon: an unsupported linear C ₃ chain spanning two different transition metals. <i>Journal of the American Chemical Society</i> , 1993, 115, 3824-3825.	13.7	129
24	Transition Metal Catalysis in Fluorous Media: Practical Application of a New Immobilization Principle to Rhodium-Catalyzed Hydroboration. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1610-1612.	4.4	126
25	Gyroscope-like Molecules Consisting of PdX ₂ /PtX ₂ Rotators Encased in Three-Spoke Stators: \hat{A} Synthesis via Alkene Metathesis, and Facile Substitution and Demetalation. <i>Journal of the American Chemical Society</i> , 2006, 128, 4962-4963.	13.7	124
26	Syntheses, properties, and x-ray crystal structures of stable methyldiene complexes of the formula $[(\eta$ -C ₅ Me ₅)Re(NO)(L)(:CH ₂)] ⁺ PF ₆ ⁻ . <i>Journal of the American Chemical Society</i> , 1983, 105, 5804-5811.	13.7	121
27	New families of coordinated carbon: oxidative coupling of an ethynyl complex to isolable and crystallographically characterized MC ₂ tpbond.CC.tplbond.CM and +M:C:C:C:C:M ⁺ assemblies. <i>Journal of the American Chemical Society</i> , 1993, 115, 8509-8510.	13.7	118
28	New Forms of Coordinated Carbon: \hat{A} Wirelike Cumulenyl C ₃ and C ₅ sp Carbon Chains that Span Two Different Transition Metals and Mediate Charge Transfer. <i>Journal of the American Chemical Society</i> , 1998, 120, 11071-11081.	13.7	115
29	Additions of PH ₃ to Monosubstituted Alkenes of the Formula H ₂ CCH(CH ₂) _x (CF ₂) _y CF ₃ : \hat{A} Convenient, Multigram Syntheses of a Family of Partially Fluorinated Trialkylphosphines with Modulated Electronic Properties and Fluorous Phase Affinities. <i>Journal of Organic Chemistry</i> , 1998, 63, 6302-6308.	3.2	111
30	A Synthetic Breakthrough into an Unanticipated Stability Regime: \hat{A} Readily Isolable Complexes in which C ₁₆ ~C ₂₈ Polyynediyl Chains Span Two Platinum Atoms. <i>Journal of the American Chemical Society</i> , 2005, 127, 10508-10509.	13.7	110
31	Aldehyde and ketone ligands in organometallic complexes and catalysis. <i>Journal of Chemical Education</i> , 1988, 65, 298.	2.3	109
32	Towards One-Dimensional Carbon Wires Connecting Single Metal Centers: A Cumulenyl C ₅ Chain that Mediates Charge Transfer between Rhenium and Manganese Termini. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2199-2202.	4.4	107
33	Bonding and Electronic Structure in Consanguineous and Conjugal Iron and Rhenium sp Carbon Chain Complexes [MC ₄ M \hat{A} n ⁺ : \hat{A} Computational Analyses of the Effect of the Metal. <i>Journal of the American Chemical Society</i> , 2003, 125, 9511-9522.	13.7	106
34	Appreciably bent sp carbon chains: synthesis, structure, and protonation of organometallic 1,3,5-triynes and 1,3,5,7-tetraynes of the formula $(\eta$ -C ₅ Me ₅)Re(NO)(PPh ₃)(C \hat{A} n-p-C ₆ H ₄ Me). <i>Journal of Organometallic Chemistry</i> , 1999, 578, 229-246.	1.8	103
35	C ₈ and C ₁₂ sp Carbon Chains That Span Two Platinum Atoms: \hat{A} The First Structurally Characterized 1,3,5,7,9,11-Hexayne. <i>Organometallics</i> , 1999, 18, 3261-3263.	2.3	102
36	sp Carbon Chains Surrounded by sp ³ Carbon Double Helices: A Class of Molecules that are Accessible by Self-Assembly and Models for \hat{A} Insulated \hat{A} Molecular-Scale Devices We thank the Deutsche Forschungsgemeinschaft (SFB 583), Johnson Matthey PMC (platinum loan), the Spanish Ministerio de Educaci \hat{A} n y Ciencia, and the Fulbright Commission (Fellowships, J.M.M.-A.) for support, and Dr. A. M. Arif for assistance with the analysis of one crystal structure.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1871.	13.8	100

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37	Bent and Stretched but Not Yet to the Breaking Point: $\text{C}_{8\text{sp}}\text{C}_{16\text{sp}}$ Carbon Chains That Span Two Platinum Atoms and the First Structurally Characterized 1,3,5,7,9,11,13,15-Octayne. <i>Inorganic Chemistry</i> , 2001, 40, 3263-3264.	4.0	98
38	Synthesis, purification, and characterization of phosphine oxides and their hydrogen peroxide adducts. <i>Dalton Transactions</i> , 2012, 41, 1742-1754.	3.3	97
39	A new type of insulated molecular wire: a rotaxane derived from a metal-capped conjugated tetrayne. <i>Chemical Communications</i> , 2012, 48, 7562.	4.1	95
40	Neutral metal formyl complexes: generation, reactivity, and models for Fischer-Tropsch catalyst intermediates. <i>Journal of the American Chemical Society</i> , 1979, 101, 1589-1591.	13.7	94
41	A promising new catalyst family for enantioselective cycloadditions involving allenes and imines: chiral phosphines with transition metal CH_2P linkages. <i>Tetrahedron Letters</i> , 2006, 47, 6335-6337.	1.4	92
42	sp Carbon Chains Surrounded by sp^3 Carbon Double Helices: A Coordination-Driven Self-Assembly of Wirelike $\text{Pt}(\text{C})_n\text{Pt}$ Moieties That Are Spanned by Two $\text{P}(\text{CH}_2)_m\text{P}$ Linkages. <i>Journal of the American Chemical Society</i> , 2007, 129, 8282-8295.	13.7	92
43	Highly Selective Detection of Silver in the Low ppt Range with Ion-Selective Electrodes Based on Ionophore-Doped Fluorous Membranes. <i>Analytical Chemistry</i> , 2010, 82, 7634-7640.	6.5	90
44	New methodology for the introduction of sulfur into organic molecules. <i>Tetrahedron</i> , 1979, 35, 2329-2335.	1.9	88
45	Synthesis and Oxidation of Dirhenium C_4 , C_6 , and C_8 Complexes of the Formula $(\text{C}_5\text{Me}_5)_2\text{Re}(\text{NO})(\text{PR}_3)_n(\text{R}_3\text{P})(\text{ON})\text{Re}(\text{C}_5\text{Me}_5)$ ($\text{R} = 4\text{-C}_6\text{H}_4\text{R}$, $\text{c-C}_6\text{H}_{11}$): In Search of Dicationic and Radical Cations with Enhanced Stabilities. <i>Organometallics</i> , 2001, 20, 1115-1127.	2.2	87
46	Gyroscopes and the chemical literature: 1852-2002. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1723-1733.	18.8	87
47	A versatile new route to carbon complexes of the formula $\text{LnMC}(\text{C}\equiv\text{C})\text{L}'\text{n}'$: deprotonation and metalation of the terminal acetylide complex $(\text{C}_5\text{Me}_5)_2\text{Re}(\text{NO})(\text{PPh}_3)(\text{C}\equiv\text{C})$. <i>Journal of the American Chemical Society</i> , 1992, 114, 5890-5891.	13.7	83
48	Transition metal catalysis in fluorous media: application of a new immobilization principle to rhodium-catalyzed hydrogenation of alkenes. <i>Catalysis Today</i> , 1998, 42, 381-388.	4.4	83
49	"Catalyst-on-a-Tape" Teflon: A New Delivery and Recovery Method for Homogeneous Fluorous Catalysts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4095-4097.	13.8	83
50	Phase Transfer of Enantiopure Werner Cations into Organic Solvents: An Overlooked Family of Chiral Hydrogen Bond Donors for Enantioselective Catalysis. <i>Chemistry - A European Journal</i> , 2008, 14, 5397-5400.	3.3	83
51	Synthetic approaches to the chiral, pyramidal, transition-metal Lewis acid $[(\text{C}_5\text{H}_5)_2\text{Re}(\text{NO})(\text{PPh}_3)]^+\text{X}^-$. Generation, characterization, and reactions of a dichloromethane adduct. <i>Organometallics</i> , 1989, 8, 207-219.	2.3	82
52	Synthesis, structure, dynamic behavior, and reactivity of rhenium phosphido complexes $(\text{C}_5\text{H}_5)_2\text{Re}(\text{NO})(\text{PPh}_3)(\text{PR}_2)$: the gauche effect in transition-metal chemistry. <i>Journal of the American Chemical Society</i> , 1988, 110, 2427-2439.	13.7	81
53	sp Carbon Chains Surrounded by sp^3 Carbon Double Helices: Directed Syntheses of Wirelike $\text{Pt}(\text{C})_n\text{Pt}$ Moieties That Are Spanned by Two $\text{P}(\text{CH}_2)_m\text{P}$ Linkages via Alkene Metathesis. <i>Journal of the American Chemical Society</i> , 2007, 129, 8296-8309.	13.7	81
54	An isolable organometallic cation radical in which a C_4 chain conducts charge between two chiral and configurationally stable rhenium termini. <i>Organometallics</i> , 1993, 12, 3802-3804.	2.3	79

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55	â€œGiantâ€–Gyroscope-Like Molecules Consisting of Dipolar Cl-Rh-CO Rotators Encased in Three-Spoke Stators That Define 25â€–27-Membered Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4372-4375.	13.8	79
56	Synthesis and properties of [(â€–.C5H5)Re(NO)(PPh3)(:CHC6H5)]+PF6-: a benzylidene complex that is formed by a stereospecific .alpha.-hydride abstraction, exists as two geometric isomers, and undergoes stereospecific nucleophilic attack. <i>Journal of the American Chemical Society</i> , 1982, 104, 4865-4878.	13.7	78
57	Synthesis, structure, and reactions of chiral rhenium vinylidene and acetylide complexes of the formula [(â€–.5-C5H5)Re(NO)(PPh3)(X)]n+. Vinylidene complexes that are formed by stereospecific C.beta. electrophilic attack, exist as two Re=C=C geometric isomers, and undergo stereospecific C.alpha. nucleophilic attack. <i>Journal of the American Chemical Society</i> , 1988, 110, 6096-6109.	13.7	78
58	Organometallic Reactivity Patterns in Fluorocarbons and Implications for Catalysis:â€– Synthesis, Structure, Solubility, and Oxidative Additions of a Fluorous Analogue of Vaska's Complex, trans-Ir(CO)(Cl)[P(CH2CH2(CF2)5CF3)3]2. <i>Organometallics</i> , 1998, 17, 707-717.	2.3	78
59	Molecular Wires in Singleâ€–Molecule Junctions: Charge Transport and Vibrational Excitations. <i>ChemPhysChem</i> , 2010, 11, 2256-2260.	2.1	77
60	Binuclear and mixed metal formyl complexes: isolation, characterization, and chemistry. <i>Journal of the American Chemical Society</i> , 1978, 100, 2545-2547.	13.7	75
61	Electronic Structure and Chain-Length Effects in Diplatinum Polyynediyl Complexes trans,trans-[(X)(R3P)2Pt(C?C)nPt(PR3)2(X)]: A Computational Investigation. <i>Chemistry - A European Journal</i> , 2004, 10, 6510-6522.	3.3	75
62	How To Insulate a Reactive Site from a Perfluoroalkyl Group:â€– Photoelectron Spectroscopy, Calorimetric, and Computational Studies of Long-Range Electronic Effects in Fluorous Phosphines P((CH2)m(CF2)7CF3)3. <i>Journal of the American Chemical Society</i> , 2002, 124, 1516-1523.	13.7	74
63	Synthesis, structure, and reactivity of allene complexes of the chiral rhenium fragment [(â€–.5-C5H5)Re(NO)(PPh3)]+. <i>Organometallics</i> , 1992, 11, 3232-3241.	2.3	71
64	Synthesis, Structure, and Oxidative Additions of a Fluorous Analogue of Vaska's Complex, trans-[IrCl(CO){P[CH2CH2(CF2)5CF3]3}2]â€–” Altered Reactivity in Fluorocarbons and Implications for Catalysis. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1612-1615.	4.4	68
65	Cobalt(III) Werner Complexes with 1,2-Diphenylethylenediamine Ligands: Readily Available, Inexpensive, and Modular Chiral Hydrogen Bond Donor Catalysts for Enantioselective Organic Synthesis. <i>ACS Central Science</i> , 2015, 1, 50-56.	11.3	68
66	Electrophile-induced disproportionation of the neutral formyl (â€–.C5H5)Re(PPh3)(NO)(CHO). Generation of cationic rhenium carbenes of the formula [(â€–.C5H5)Re(PPh3)(NO)(CHX)]+ (X =) Tj ETQq0 0 0 rgBT3/Overlook10 Tf 50		
67	Mechanism of coupling of methylidene to ethylene at a homogeneous (triphenylphosphine)nitrosyl(â€–.cyclopentadienyl)rhenium(+) [(â€–.C5H5)Re(NO)(PPh3)]+ center. Remarkable enantiomer self-recognition. <i>Journal of the American Chemical Society</i> , 1983, 105, 5811-5819.	13.7	67
68	Syntheses and Carbonyliridium Complexes of Unsymmetrically Substituted Fluorous Trialkylphosphanes: Precision Tuning of Electronic Properties, Including Insulation of the Perfluoroalkyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1975-1983.	2.0	67
69	Mechanism of equilibration of diastereomeric chiral rhenium alkene complexes of the formula [(â€–.5-C5H5)Re(NO)(PPh3)(H2C:CHR)]+BF4-. The metal traverses between alkene enantiofaces without dissociation!. <i>Journal of the American Chemical Society</i> , 1992, 114, 4174-4181.	13.7	66
70	Introduction:â€–% Enantioselective Catalysis. <i>Chemical Reviews</i> , 2003, 103, 2761-2762.	47.7	66
71	Cubic Nonlinear Optical Properties of Platinum-Terminated Polyynediyl Chains. <i>Inorganic Chemistry</i> , 2008, 47, 9946-9957.	4.0	66
72	Syntheses, chemical properties, and x-ray crystal structures of rhenium formaldehyde and thioformaldehyde complexes. <i>Journal of the American Chemical Society</i> , 1983, 105, 1056-1058.	13.7	65

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73	Syntheses and Reactivities of Disubstituted and Trisubstituted Fluorous Pyridines with High Fluorous Phase Affinities: A Solid State, Liquid Crystal, and Ionic Liquid-Phase Properties. <i>Journal of Organic Chemistry</i> , 2002, 67, 6863-6870.	3.2	65
74	Synthesis, optical resolution, and absolute configuration of pseudotetrahedral organorhenium complexes ($\eta^5\text{-C}_5\text{H}_5$)Re(NO)(PPh ₃)(X). <i>Organometallics</i> , 1982, 1, 1204-1211.	2.3	64
75	Selective binding and activation of one aldehyde enantioface by a chiral transition-metal Lewis acid: synthesis, structure, and reactivity of rhenium aldehyde complexes [($\eta^5\text{-C}_5\text{H}_5$)Re(NO)(PPh ₃)($\eta^2\text{-O:CHR}$)] ⁺ X ⁻ . <i>Journal of the American Chemical Society</i> , 1990, 112, 5146-5160.	13.7	64
76	Fluorous Membrane Ion-Selective Electrodes for Perfluorinated Surfactants: Trace-Level Detection and in Situ Monitoring of Adsorption. <i>Analytical Chemistry</i> , 2013, 85, 7471-7477.	6.5	64
77	Strategy and design in fluorous phase immobilization: a systematic study of the effect of π -alkyl tails? (CH ₂) ₃ (CF ₂) _n -CF ₃ on the partition coefficients of π -benzenoid compounds. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 596-603.	1.9	63
78	Synthesis, structure, and alkylation of chiral vinylrhenium complexes ($\eta^5\text{-C}_5\text{H}_5$)Re(NO)(PPh ₃)(CX:CHR) (X = H, OCH ₃). A mechanistic study of 1,3-asymmetric induction from rhenium to carbon. <i>Journal of the American Chemical Society</i> , 1987, 109, 7688-7705.	13.7	62
79	Olefin Metatheses in Metal Coordination Spheres: Versatile New Strategies for the Construction of Novel Monohapto or Polyhapto Cyclic, Macrocyclic, Polymacrocyclic, and Bridging Ligands. <i>Chemistry - A European Journal</i> , 2001, 7, 3931-3950.	3.3	62
80	Transition-metal-containing chiral bidentate ligands for enantioselective catalysis: non-metallocene architectural units come of age. <i>Chemical Communications</i> , 2003, , 665-675.	4.1	62
81	Potentiometric Sensors Based on Fluorous Membranes Doped with Highly Selective Ionophores for Carbonate. <i>Journal of the American Chemical Society</i> , 2011, 133, 20869-20877.	13.7	62
82	Octahedral Werner complexes with substituted ethylenediamine ligands: a stereochemical primer for a historic series of compounds now emerging as a modern family of catalysts. <i>Chemical Society Reviews</i> , 2016, 45, 6799-6811.	38.1	62
83	Generation and Reactivity of Substitution-Labile Dichloromethane and Chlorobenzene Adducts of the Chiral Pentamethylcyclopentadienyl Rhenium Lewis Acid [($\eta^5\text{-C}_5\text{Me}_5$)Re(NO)(PPh ₃)] ⁺ . <i>Inorganic Chemistry</i> , 1994, 33, 2534-2542.	4.0	61
84	Attaching Metal-Capped sp Carbon Chains to Metal Clusters: Synthesis, Structure, and Reactivity of Rhenium/Triosmium Complexes of Formula [($\eta^5\text{-C}_5\text{Me}_5$)Re(NO)(PPh ₃)(CC) _n Os ₃ (CO) _y (X) _z] ^{m+} , Including Carbon Geometries More Distorted than Planar Tetracoordinate. <i>Chemistry - A European Journal</i> , 1998, 4, 1033-1042.	3.3	61
85	Olefin Metatheses in Metal Coordination Spheres: A New Approach to Steric Shielding in Dirhenium sp Carbon Chain Complexes of the Formula ($\eta^5\text{-C}_5\text{Me}_5$)Re(NO)(PR ₃)(C ₂ CC ₂ CC ₂ C)(R ₃ P)(ON)Re($\eta^5\text{-C}_5\text{Me}_5$). <i>Organometallics</i> , 2002, 21, 5386-5393.		61
86	Cleavage of the rhenium-methyl bond of ($\eta^5\text{-C}_5\text{H}_5$)Re(NO)(PPh ₃)(CH ₃) by protic and halogen electrophiles: stereochemistry at rhenium. <i>Inorganic Chemistry</i> , 1984, 23, 4022-4029.	4.0	59
87	Transition metal catalysis in fluorous media: extension of a new immobilization principle to biphasic and monophasic rhodium-catalyzed hydrosilylations of ketones and enones. <i>Tetrahedron Letters</i> , 1999, 40, 8995-8998.	1.4	59
88	Alkene Metatheses in Transition Metal Coordination Spheres: Effect of Ring Size and Substitution on the Efficiencies of Macrocyclizations That Jointranspositions of Square-Planar Platinum Complexes. <i>Organometallics</i> , 2003, 22, 5567-5580.	2.3	59
89	Tris(1,2-diphenylethylenediamine)cobalt(III) Complexes: Chiral Hydrogen Bond Donor Catalysts for Enantioselective I^{\pm} -Aminations of 1,3-Dicarbonyl Compounds. <i>Organic Letters</i> , 2016, 18, 760-763.	4.6	57
90	Selective activation of one methyl ketone enantioface via σ -binding to a chiral transition-metal template: synthesis, structure, and reactivity of rhenium ketone complexes [($\eta^5\text{-C}_5\text{H}_5$)Re(NO)(PPh ₃)($\eta^1\text{-O:C(CH}_3\text{)R}$)] ⁺ X ⁻ . <i>Journal of the American Chemical Society</i> , 1990, 112, 9198-9212.	13.7	56

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91	Regiospecific and stereospecific reactions of triphenylmethyl hexafluorophosphate with rhenium alkyls ($(\eta^5\text{-C}_5\text{H}_5)\text{Re}(\text{NO})(\text{PPh}_3)(\text{R})$). α - vs. β -Hydride abstraction. <i>Journal of the American Chemical Society</i> , 1983, 105, 4958-4972.	13.7	55
92	Synthesis, structure, and spectroscopic properties of chiral rhenium aromatic aldehyde complexes $[(\eta^5\text{-C}_5\text{H}_5)\text{Re}(\text{NO})(\text{PPh}_3)(\text{O:CHAr})+\text{X}]$: equilibria between π and σ aldehyde binding modes. <i>Journal of the American Chemical Society</i> , 1993, 115, 2323-2334.	13.7	55
93	Spectroscopic Observation of the Formyl Cation in a Condensed Phase. <i>Science</i> , 1997, 276, 776-779.	12.6	55
94	Octahedral Gyroscope-Like Molecules with $\text{M}(\text{CO})_3(\text{X})$ Rotators Encased in Three-Spoked Diphosphine Stators: Syntheses by Alkene Metathesis/Hydrogenation Sequences, Structures, Dynamic Properties, and Reactivities. <i>Organometallics</i> , 2007, 26, 5129-5131.	2.3	55
95	Alkylation and acylation of the iron carbonyl anion $[(\text{CO})_4\text{FeSi}(\text{CH}_3)_3]^-$. Evidence for 1,3-silotropic shifts from iron to acyl oxygen. <i>Organometallics</i> , 1984, 3, 1325-1332.	2.3	54
96	Editorial: Perennial Reviews. <i>Chemical Reviews</i> , 2007, 107, 1-1.	47.7	54
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