John A Gladysz

List of Publications by Year
in descending order

491 papers	18,606 citations	14614 66 h-index	30010 103 g-index
528 all docs	528 docs citations	528 times ranked	7723 citing authors

#	Article	IF	Citations
1	Carbon in One Dimension:â€‰ Structural Analysis of the Higher Conjugated Polyynes. Chemical Reviews, 2003, 103, 4175-4206.	23.0	396
2	Toward Metal-Capped One-Dimensional Carbon Allotropes:â€‰ Wirelike C6â^'C20 Polyynediyl Chains That Span Two Redox-Active (Î·5-C5Me5)Re(NO)(PPh3) Endgroups. Journal of the American Chemical Society, 2000, 122, 810-822.	6.6	394
3	Introduction:â€‰ Recoverable Catalysts and ReagentsPerspective and Prospective. Chemical Reviews, 2002, 102, 3215-3216.	23.0	371
4	Consanguineous Families of Coordinated Carbon:Â A ReC4Re Assembly That Is Isolable in Three Oxidation States, Including Crystallographically Characterized ReCâ‹®CCâ‹®CRe and+ReCCCCRe+Adducts and a Radical Cation in Which Charge Is Delocalized between Rhenium Termini. Journal of the American Chemical Society, 1997, 119, 775-788.	6.6	294
5	Fluorous chemistry: from biphasic catalysis to a parallel chemical universe and beyond. Tetrahedron, 2002, 58, 3823-3825.	1.0	286
6	Recoverable catalysts. Ultimate goals, criteria of evaluation, and the green chemistry interface. Pure and Applied Chemistry, 2001, 73, 1319-1324.	0.9	230
7	Frontiers in Metal-Catalyzed Polymerization:Â Designer Metallocenes, Designs on New Monomers, Demystifying MAO, Metathesis DÃ©shabillÃ©. Chemical Reviews, 2000, 100, 1167-1168.	23.0	207
8	A Step-Growth Approach to Metal-Capped One-Dimensional Carbon Allotropes: Syntheses of C12, C16, and C20Î¼-Polyynediyl Complexes. Angewandte Chemie International Edition in English, 1996, 35, 414-417.	4.4	192
9	Fluorous Catalysis under Homogeneous Conditions without Fluorous Solvents:Â A â€œGreenerâ€•Catalyst Recycling Protocol Based upon Temperature-Dependent Solubilities and Liquid/Solid Phase Separation. Journal of the American Chemical Society, 2003, 125, 5861-5872.	6.6	189
10	Fluorous Catalysis without Fluorous Solvents:Â A Friendlier Catalyst Recovery/Recycling Protocol Based upon Thermomorphic Properties and Liquid/Solid Phase Separation. Journal of the American Chemical Society, 2001, 123, 11490-11491.	6.6	184
11	Highly Active Thermomorphic Fluorous Palladacycle Catalyst Precursors for the Heck Reaction; Evidence for a Palladium Nanoparticle Pathway. Organic Letters, 2002, 4, 1993-1996.	2.4	176
12	Thermomorphic fluorous imine and thioether palladacycles as precursors for highly active Heck and Suzuki catalysts; evidence for palladium nanoparticle pathways. New Journal of Chemistry, 2003, 27, 39-49.	1.4	171
13	Convenient one-flask synthesis of dialkyl selenides and diselenides via lithium triethylborohydride reduction of Sex. Journal of Organic Chemistry, 1978, 43, 1204-1208.	1.7	165
14	A â€œConjugalâ€•Consanguineous Family of Butadiynediyl-Derived Complexes:Â Synthesis and Electronic Ground States of Neutral, Radical Cationic, and Dicationic Iron/Rhenium C4Species. Journal of the American Chemical Society, 2000, 122, 9405-9414.	6.6	162
15	Synthesis, Structure, and Redox Chemistry of Heteropolymetallic Carbon Complexes with MC2M', MC4M', and MC4M'C4M Linkages. Transmetalations of Lithiocarbon Complexes (.eta.5-C5Me5)Re(NO)(PPh3)(C.tplbond.CLi) and (.eta.5-C5Me5)Re(NO)(PPh3)(C.tplbond.CC.tplbond.CLi). Journal of the American Chemical Society, 1995, 117, 11922-11931.	6.6	148
16	Transition Metal Catalysis in Fluorous Media:â€‰ Practical Application of a New Immobilization Principle to Rhodium-Catalyzed Hydroborations of Alkenes and Alkynes. Journal of the American Chemical Society, 1999, 121, 2696-2704.	6.6	148
17	Molecular Gyroscopes: {Fe(CO)3} and {Fe(CO)2(NO)}+ Rotators Encased in Three-Spoke Stators; Facile Assembly by Alkene Metatheses. Angewandte Chemie - International Edition, 2004, 43, 5537-5540.	7.2	147
18	Synthesis, Structure, and Reactivity of sp Carbon Chains with Bis(phosphine) Pentafluorophenylplatinum Endgroups: Butadiynediyl (C4) through Hexadecaoctaynediyl (C16) Bridges, and Beyond. Chemistry - A European Journal, 2003, 9, 3324-3340.	1.7	144

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19	Are Teflon "Ponytails" the Coming Fashion for Catalysts?. Science, 1994, 266, 55-56.	6.0	139
20	Synthesis and electrophile-induced disproportionation of the neutral formyl triphenylphosphinenitrosyl-.eta.-cyclopentadienylrhenium formyl ((.eta.-C5H5)Re(NO)(PPh3)(CHO)). Journal of the American Chemical Society, 1982, 104, 141-152.	6.6	136
21	A Synthetic Breakthrough into an Unanticipated Stability Regime: A Series of Isolable Complexes in which C6, C8, C10, C12, C16, C20, C24, and C28 Polyynediyl Chains Span Two Platinum Atoms. Chemistry - A European Journal, 2006, 12, 6486-6505.	1.7	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. Inorganic Chemistry, 1979, 18, 553-558.	1.9	131
23	A new form of coordinated carbon: an unsupported linear C3 chain spanning two different transition metals. Journal of the American Chemical Society, 1993, 115, 3824-3825.	6.6	129
24	Transition Metal Catalysis in Fluorous Media: Practical Application of a New Immobilization Principle to Rhodium-Catalyzed Hydroboration. Angewandte Chemie International Edition in English, 1997, 36, 1610-1612.	4.4	126
25	Gyroscope-like Molecules Consisting of PdX2/PtX2Rotators Encased in Three-Spoke Stators:Â Synthesis via Alkene Metathesis, and Facile Substitution and Demetalation. Journal of the American Chemical Society, 2006, 128, 4962-4963.	6.6	124
26	Syntheses, properties, and x-ray crystal structures of stable methylidene complexes of the formula [(.eta.-C5Me5)Re(NO)(L)(:CH2)]+ PF6-. Journal of the American Chemical Society, 1983, 105, 5804-5811.	6.6	121
27	New families of coordinated carbon: oxidative coupling of an ethynyl complex to isolable and crystallographically characterized MC.tplbond.CC.tplbond.CM and +M:C:C:C:C:M+ assemblies. Journal of the American Chemical Society, 1993, 115, 8509-8510.	6.6	118
28	New Forms of Coordinated Carbon:Â Wirelike Cumulenic C3and C5sp Carbon Chains that Span Two Different Transition Metals and Mediate Charge Transfer. Journal of the American Chemical Society, 1998, 120, 11071-11081.	6.6	115
29	Additions of PH3to Monosubstituted Alkenes of the Formula H2CCH(CH2)x(CF2)yCF3:Â Convenient, Multigram Syntheses of a Family of Partially Fluorinated Trialkylphosphines with Modulated Electronic Properties and Fluorous Phase Affinities. Journal of Organic Chemistry, 1998, 63, 6302-6308.	1.7	111
30	A Synthetic Breakthrough into an Unanticipated Stability Regime:Â Readily Isolable Complexes in which C16â^'C28Polyynediyl Chains Span Two Platinum Atoms. Journal of the American Chemical Society, 2005, 127, 10508-10509.	6.6	110
31	Aldehyde and ketone ligands in organometallic complexes and catalysis. Journal of Chemical Education, 1988, 65, 298.	1.1	109
32	Towards One-Dimensional Carbon Wires Connecting Single Metal Centers: A Cumulenic C5 Chain that Mediates Charge Transfer between Rhenium and Manganese Termini. Angewandte Chemie International Edition in English, 1994, 33, 2199-2202.	4.4	107
33	Bonding and Electronic Structure in Consanguineous and Conjugal Iron and Rhenium sp Carbon Chain Complexes [MC4Mâ€˜]n+:Â Computational Analyses of the Effect of the Metal. Journal of the American Chemical Society, 2003, 125, 9511-9522.	6.6	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 (Î·5-C5Me5)Re(NO)(PPh3)((Cî˜†C)n-p-C6H4Me). Journal of Organometallic Chemistry, 1999, 578, 229-246.	0.8	103
35	C8 and C12 sp Carbon Chains That Span Two Platinum Atoms:â€‰ The First Structurally Characterized 1,3,5,7,9,11-Hexayne. Organometallics, 1999, 18, 3261-3263.	1.1	102
36	sp Carbon Chains Surrounded by sp3 Carbon Double Helices: A Class of Molecules that are Accessible by Self-Assembly and Models for â€œInsulatedâ€•Molecular-Scale Devices We thank the Deutsche Forschungsgemeinschaft (SFB 583), Johnson Matthey PMC (platinum loan), the Spanish Ministerio de EducaciÃ³n 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.. Angewandte Chemie - International Edition, 2002, 41, 1871.	7.2	100

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37	Bent and Stretched but Not Yet to the Breaking Point:Â C8â^'C16sp Carbon Chains That Span Two Platinum Atoms and the First Structurally Characterized 1,3,5,7,9,11,13,15-Octayne. Inorganic Chemistry, 2001, 40, 3263-3264.	1.9	98
38	Synthesis, purification, and characterization of phosphine oxides and their hydrogen peroxide adducts. Dalton Transactions, 2012, 41, 1742-1754.	1.6	97
39	A new type of insulated molecular wire: a rotaxane derived from a metal-capped conjugated tetrayne. Chemical Communications, 2012, 48, 7562.	2.2	95
40	Neutral metal formyl complexes: generation, reactivity, and models for Fischer-Tropsch catalyst intermediates. Journal of the American Chemical Society, 1979, 101, 1589-1591.	6.6	94
41	A promising new catalyst family for enantioselective cycloadditions involving allenes and imines: chiral phosphines with transition metalâ€"CH2â€"P: linkages. Tetrahedron Letters, 2006, 47, 6335-6337.	0.7	92
42	sp Carbon Chains Surrounded by sp3Carbon Double Helices:Â Coordination-Driven Self-Assembly of Wirelike Pt(Câ‹®C)nPt Moieties That Are Spanned by Two P(CH2)mP Linkages. Journal of the American Chemical Society, 2007, 129, 8282-8295.	6.6	92
43	Highly Selective Detection of Silver in the Low ppt Range with Ion-Selective Electrodes Based on Ionophore-Doped Fluorous Membranes. Analytical Chemistry, 2010, 82, 7634-7640.	3.2	90
44	New methodology for the introduction of sulfur into organic molecules. Tetrahedron, 1979, 35, 2329-2335.	1.0	88
45	Synthesis and Oxidation of Dirhenium C4, C6, and C8 Complexes of the Formula (Î·5-C5Me5)Re(NO)(PR3)(Câ‹®C)n(R3P)(ON)Re(Î·5-C5Me5) (R = 4-C6H4Râ€˜, c-C6H11):â€‰ In Search of Dications and Radical Cations with Enhanced Stabilities. Organometallics, 2001, 20, 1115-1127.	3.8	87
46	Gyroscopes and the chemical literature: 1852â€"2002. Coordination Chemistry Reviews, 2007, 251, 1723-1733.	9.5	87
47	A versatile new route to carbon complexes of the formula LnMC.tplbond.CM'L'n': deprotonation and metalation of the terminal acetylide complex (.eta.5-C5Me5)Re(NO)(PPh3)(C.tplbond.CH). Journal of the American Chemical Society, 1992, 114, 5890-5891.	6.6	83
48	Transition metal catalysis in fluorous media: application of a new immobilization principle to rhodium-catalyzed hydrogenation of alkenes. Catalysis Today, 1998, 42, 381-388.	2.2	83
49	â€œCatalyst-on-a-Tapeâ€â€"Teflon: A New Delivery and Recovery Method for Homogeneous Fluorous Catalysts. Angewandte Chemie - International Edition, 2005, 44, 4095-4097.	7.2	83
50	Phase Transfer of Enantiopure Werner Cations into Organic Solvents: An Overlooked Family of Chiral Hydrogen Bond Donors for Enantioselective Catalysis. Chemistry - A European Journal, 2008, 14, 5397-5400.	1.7	83
51	Synthetic approaches to the chiral, pyramidal, transition-metal Lewis acid [(.eta.5-C5H5)Re(NO)(PPh3)]+X-. Generation, characterization, and reactions of a dichloromethane adduct. Organometallics, 1989, 8, 207-219.	1.1	82
52	Synthesis, structure, dynamic behavior, and reactivity of rhenium phosphido complexes (.eta.5-C5H5)Re(NO)(PPh3)(PR2): the gauche effect in transition-metal chemistry. Journal of the American Chemical Society, 1988, 110, 2427-2439.	6.6	81
53	sp Carbon Chains Surrounded by sp3Carbon Double Helices:Â Directed Syntheses of Wirelike Pt(Câ‹®C)nPt Moieties That Are Spanned by Two P(CH2)mP Linkages via Alkene Metathesis. Journal of the American Chemical Society, 2007, 129, 8296-8309.	6.6	81
54	An isolable organometallic cation radical in which a C4 chain conducts charge between two chiral and configurationally stable rhenium termini. Organometallics, 1993, 12, 3802-3804.	1.1	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. Angewandte Chemie - International Edition, 2006, 45, 4372-4375.	7.2	79
56	Synthesis and properties of [(.eta.-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. Journal of the American Chemical Society, 1982, 104, 4865-4878.	6.6	78
57	Synthesis, structure, and reactions of chiral rhenium vinylidene and acetylide complexes of the formula [(.eta.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. Journal of the American Chemical Society, 1988, 110, 6096-6109.	6.6	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. Organometallics, 1998, 17, 707-717.	1.1	78
59	Molecular Wires in Singleâ€Molecule Junctions: Charge Transport and Vibrational Excitations. ChemPhysChem, 2010, 11, 2256-2260.	1.0	77
60	Binuclear and mixed metal formyl complexes: isolation, characterization, and chemistry. Journal of the American Chemical Society, 1978, 100, 2545-2547.	6.6	75
61	Electronic Structure and Chain-Length Effects in Diplatinum Polyynediyl Complexestrans,trans-[(X)(R3P)2Pt(C?C)nPt(PR3)2(X)]: A Computational Investigation. Chemistry - A European Journal, 2004, 10, 6510-6522.	1.7	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. Journal of the American Chemical Society, 2002, 124, 1516-1523.	6.6	74
63	Synthesis, structure, and reactivity of allene complexes of the chiral rhenium fragment [(.eta.5-C5H5)Re(NO)(PPh3)]+. Organometallics, 1992, 11, 3232-3241.	1.1	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. Angewandte Chemie International Edition in English, 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. ACS Central Science, 2015, 1, 50-56.	5.3	68
66	Electrophile-induced disproportionation of the neutral formyl (.eta.-C5H5)Re(PPh3)(NO)(CHO). Generation of cationic rhenium carbenes of the formula [(.eta.-C5H5)Re(PPh3)(NO)(CHX)]+ (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.6	67
67	Mechanism of coupling of methylidene to ethylene at a homogeneous (triphenylphosphine)nitrosyl(.eta.-cyclopentadienyl)rhenium(+) [(.eta.-C5H5)Re(NO)(PPh3)]+ center. Remarkable enantiomer self-recognition. Journal of the American Chemical Society, 1983, 105, 5811-5819.	6.6	67
68	Syntheses and Carbonyliridium Complexes of Unsymmetrically Substituted Fluorous Trialkylphosphanes: Precision Tuning of Electronic Properties, Including Insulation of the Perfluoroalkyl Groups. European Journal of Inorganic Chemistry, 2000, 2000, 1975-1983.	1.0	67
69	Mechanism of equilibration of diastereomeric chiral rhenium alkene complexes of the formula [(.eta.5-C5H5)Re(NO)(PPh3)(H2C:CHR)]+BF4-. The metal traverses between alkene enantiofaces without dissociation!. Journal of the American Chemical Society, 1992, 114, 4174-4181.	6.6	66
70	Introduction:â€‰ Enantioselective Catalysis. Chemical Reviews, 2003, 103, 2761-2762.	23.0	66
71	Cubic Nonlinear Optical Properties of Platinum-Terminated Polyynediyl Chains. Inorganic Chemistry, 2008, 47, 9946-9957.	1.9	66
72	Syntheses, chemical properties, and x-ray crystal structures of rhenium formaldehyde and thioformaldehyde complexes. Journal of the American Chemical Society, 1983, 105, 1056-1058.	6.6	65

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73	Syntheses and Reactivities of Disubstituted and Trisubstituted Fluorous Pyridines with High Fluorous Phase Affinities:Â Solid State, Liquid Crystal, and Ionic Liquid-Phase Properties. Journal of Organic Chemistry, 2002, 67, 6863-6870.	1.7	65
74	Synthesis, optical resolution, and absolute configuration of pseudotetrahedral organorhenium complexes (.eta.-C5H5)Re(NO)(PPh3)(X). Organometallics, 1982, 1, 1204-1211.	1.1	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-C5H5)Re(NO)(PPh3)(.eta.2-O:CHR)]+X-. Journal of the American Chemical Society, 1990, 112, 5146-5160.	6.6	64
76	Fluorous Membrane Ion-Selective Electrodes for Perfluorinated Surfactants: Trace-Level Detection and in Situ Monitoring of Adsorption. Analytical Chemistry, 2013, 85, 7471-7477.	3.2	64
77	Strategy and design in fluorous phase immobilization:ï¿½a systematic study of the effect of ?pony tails? (CH2)3(CF2)n?1CF3 on the partition coefficients of ï¿½benzenoid compounds. Journal of Physical Organic Chemistry, 2000, 13, 596-603.	0.9	63
78	Synthesis, structure, and alkylation of chiral vinylrhenium complexes (.eta.5-C5H5)Re(NO)(PPh3)(CX:CHR) (X = H, OCH3). A mechanistic study of 1,3-asymmetric induction from rhenium to carbon. Journal of the American Chemical Society, 1987, 109, 7688-7705.	6.6	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. Chemistry - A European Journal, 2001, 7, 3931-3950.	1.7	62
80	Transition-metal-containing chiral bidentate ligands for enantioselective catalysis: non-metallocene architectural units come of age. Chemical Communications, 2003, , 665-675.	2.2	62
81	Potentiometric Sensors Based on Fluorous Membranes Doped with Highly Selective Ionophores for Carbonate. Journal of the American Chemical Society, 2011, 133, 20869-20877.	6.6	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. Chemical Society Reviews, 2016, 45, 6799-6811.	18.7	62
83	Generation and Reactivity of Substitution-Labile Dichloromethane and Chlorobenzene Adducts of the Chiral Pentamethylcyclopentadienyl Rhenium Lewis Acid [(.eta.5-C5Me5)Re(NO)(PPh3)]+. Inorganic Chemistry, 1994, 33, 2534-2542.	1.9	61
84	Attaching Metal-Capped sp Carbon Chains to Metal Clusters: Synthesis, Structure, and Reactivity of Rhenium/Triosmium Complexes of Formula [(Î·5-C5Me5)Re(NO)(PPh3)(CC)nOs3(CO)y(X)z]m+, Including Carbon Geometries More Distorted than Planar Tetracoordinate. Chemistry - A European Journal, 1998, 4, 1033-1042.	1.7	61
85	Olefin Metatheses in Metal Coordination Spheres:Â A New Approach to Steric Shielding in Dirhenium sp Carbon Chain Complexes of the Formula (Î·5-C5Me5)Re(NO)(PR3)(Câ‹®CCâ‹®CCâ‹®CCâ‹®C)(R3P)(ON)Re(Î·5-C5Me5). Organometallics, 2002, 21, 5386-5393.	2.5	61
86	Cleavage of the rhenium-methyl bond of (.eta.-C5H5)Re(NO)(PPh3)(CH3) by protic and halogen electrophiles: stereochemistry at rhenium. Inorganic Chemistry, 1984, 23, 4022-4029.	1.9	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. Tetrahedron Letters, 1999, 40, 8995-8998.	0.7	59
88	Alkene Metatheses in Transition Metal Coordination Spheres:Â Effect of Ring Size and Substitution on the Efficiencies of Macrocyclizations That JointransPositions of Square-Planar Platinum Complexes. Organometallics, 2003, 22, 5567-5580.	1.1	59
89	Tris(1,2-diphenylethylenediamine)cobalt(III) Complexes: Chiral Hydrogen Bond Donor Catalysts for Enantioselective Î±-Aminations of 1,3-Dicarbonyl Compounds. Organic Letters, 2016, 18, 760-763.	2.4	57
90	Selective activation of one methyl ketone enantioface via .sigma.-binding to a chiral transition-metal template: synthesis, structure, and reactivity of rhenium ketone complexes [(.eta.5-C5H5)Re(NO)(PPh3)(.eta.1-O:C(CH3)R)]+X-. Journal of the American Chemical Society, 1990, 112, 9198-9212.	6.6	56

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91	Regiospecific and stereospecific reactions of triphenylmethyl hexafluorophosphate with rhenium alkyls (.eta.-C5H5)Re(NO)(PPh3)(R). .alpha.- vs. .beta.-Hydride abstraction. Journal of the American Chemical Society, 1983, 105, 4958-4972.	6.6	55
92	Synthesis, structure, and spectroscopic properties of chiral rhenium aromatic aldehyde complexes [(.eta.5-C5H5)Re(NO)(PPh3)(O:CHAr)]+X-: equilibria between .pi. and .sigma. aldehyde binding modes. Journal of the American Chemical Society, 1993, 115, 2323-2334.	6.6	55
93	Spectroscopic Observation of the Formyl Cation in a Condensed Phase. Science, 1997, 276, 776-779.	6.0	55
94	Octahedral Gyroscope-Like Molecules with M(CO)₃(X) Rotators Encased in Three-Spoked Diphosphine Stators:â€‰ Syntheses by Alkene Metathesis/Hydrogenation Sequences, Structures, Dynamic Properties, and Reactivities. Organometallics, 2007, 26, 5129-5131.	1.1	55
95	Alkylation and acylation of the iron carbonyl anion [(CO)4FeSi(CH3)3]-. Evidence for 1,3-silatropic shifts from iron to acyl oxygen. Organometallics, 1984, 3, 1325-1332.	1.1	54
96	Editorial:Â Perennial Reviews. Chemical Reviews, 2007, 107, 1-1.	23.0	54
97	Synthesis and Reactivity of Fluorous and Nonfluorous Aryl and Alkyl Iodine(III) Dichlorides: New Chlorinating Reagents that are Easily Recycled using Biphasic Protocols. Journal of Organic Chemistry, 2009, 74, 3133-3140.	1.7	54
98	Gyroscope-Like Complexes Based on Dibridgehead Diphosphine Cages That Are Accessed by Three-Fold Intramolecular Ring Closing Metatheses and Encase Fe(CO)₃, Fe(CO)₂(NO)⁺, and Fe(CO)₃(H)⁺ Rotators. Journal of the American Chemical Society, 2016, 138, 7649-7663.	6.6	54
99	Werner Complexes with Ï‰â€Dimethylaminoalkyl Substituted Ethylenediamine Ligands: Bifunctional Hydrogenâ€Bondâ€Donor Catalysts for Highly Enantioselective Michael Additions. Angewandte Chemie - International Edition, 2016, 55, 4356-4360.	7.2	54
100	Chelating Diphosphines That Contain a Rhenium Stereocenter in the Backbone:â€‰ Applications in Rhodium-Catalyzed Enantioselective Ketone Hydrosilylations and Alkene Hydrogenations. Organometallics, 2002, 21, 4275-4280.	1.1	53
101	Convenient Syntheses of Fluorous Aryl Iodides and Hypervalent Iodine Compounds: ArI(L)n Reagents That Are Recoverable by Simple Liquid/Liquid Biphase Workups, and Applications in Oxidations of Hydroquinones. Chemistry - A European Journal, 2003, 9, 88-95.	1.7	52
102	Syntheses of gyroscope-like molecules via three-fold ring closing metatheses of bis(phosphine) complexes trans-LyM(P((CH2)nCHCH2)3)2, and extensions to bis(phosphite) complexes trans-Fe(CO)3(P(O(CH2)nCHCH2)3)2. Journal of Organometallic Chemistry, 2008, 693, 857-866.	0.8	52
103	Deprotonation and anionic rearrangements of organometallic compounds. 5. Kinetic vs. thermodynamic deprotonation in reactions of cyclopentadienylrhenium acyl and alkyl complexes with strong bases. Journal of the American Chemical Society, 1986, 108, 1185-1195.	6.6	51
104	Strained Organic Compounds: Introduction. Chemical Reviews, 1989, 89, 973-973.	23.0	51
105	Synthesis, Reactivity, and Metal Complexes of Fluorous Triarylphosphines of the Formula P(p-C6H4(CH2)3(CF2)n-1CF3)3(n= 6, 8, 10). Organometallics, 2001, 20, 3079-3086.	1.1	50
106	Fluorophilic Ionophores for Potentiometric pH Determinations with Fluorous Membranes of Exceptional Selectivity. Analytical Chemistry, 2008, 80, 2084-2090.	3.2	50
107	Longitudinally Extended Molecular Wires Based upon PtCâ‹®CCâ‹®CCâ‹®C Repeat Units:Â Iterative Syntheses of Functionalized Linear PtC8Pt, PtC8PtC8Pt, and PtC8PtC8PtC8Pt Assemblies. Organometallics, 2004, 23, 5896-5899.	1.1	49
108	A convenient preparation of metal carbonyl monoanions by trialkylborohydride cleavage of metal carbonyl dimers; observation and reactions of a bimetallic manganese-formyl intermediate. Journal of Organometallic Chemistry, 1977, 140, C1-C6.	0.8	48

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