

Kazushi Mashima

List of Publications by Year in descending order

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59
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51492

86
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all docs

317
docs citations

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times ranked

7349
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical synthesis of (R)- or (S)-2,2'-bis(diarylphosphino)-1,1'-binaphthyls (BINAPs). <i>Journal of Organic Chemistry</i> , 1986, 51, 629-635.	1.7	366
2	Cationic BINAP-Ru(II) Halide Complexes: Highly Efficient Catalysts for Stereoselective Asymmetric Hydrogenation of .alpha.- and .beta.-Functionalized Ketones. <i>Journal of Organic Chemistry</i> , 1994, 59, 3064-3076.	1.7	329
3	Magnesium hydridotriphenylborate [Mg(thf) ₆][HBPh ₃] ₂ : a versatile hydroboration catalyst. <i>Chemical Communications</i> , 2016, 52, 13155-13158.	2.2	212
4	Platinum-Catalyzed Direct Amination of Allylic Alcohols under Mild Conditions: Ligand and Microwave Effects, Substrate Scope, and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 14317-14328.	6.6	166
5	1,3-Diene complexes of zirconium and hafnium prepared by the reaction of enediylmagnesium with MCl ₂ Cp ₂ . A remarkable difference between the zirconium and hafnium analogs as revealed by proton NMR and electronic spectra. <i>Organometallics</i> , 1982, 1, 388-396.	1.1	163
6	Asymmetric Transfer Hydrogenation of Ketonic Substrates Catalyzed by (i-5-C ₅ Me ₅)MCl Complexes (M = Ir, Rh, Ru, Os). <i>Journal of the American Chemical Society</i> , 2007, 129, 1199-1200.	0.7	160
7	Enzyme-Like Chemoselective Acylation of Alcohols in the Presence of Amines Catalyzed by a Tetranuclear Zinc Cluster. <i>Journal of the American Chemical Society</i> , 2008, 130, 2944-2945.	6.6	160
8	Synthesis of new cationic BINAP-ruthenium(II) complexes and their use in asymmetric hydrogenation [BINAP = 2,2'-bis(diphenylphosphino)-1,1'-binaphthyl]. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1208-1210.	2.0	145
9	Asymmetric Hydrogenation of Isoquinolinium Salts Catalyzed by Chiral Iridium Complexes: Direct Synthesis for Optically Active 1,2,3,4-Tetrahydroisoquinolines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2046-2050.	7.2	140
10	1,4-Bis(trimethylsilyl)-1,4-diaza-2,5-cyclohexadienes as Strong Salt-Free Reductants for Generating Low-Valent Early Transition Metals with Electron-Donating Ligands. <i>Journal of the American Chemical Society</i> , 2014, 136, 5161-5170.	6.6	129
11	Direct Use of Allylic Alcohols for Platinum-Catalyzed Monoallylation of Amines. <i>Organic Letters</i> , 2007, 9, 3371-3374.	2.4	125
12	Unprecedented Halide Dependence on Catalytic Asymmetric Hydrogenation of 2-Aryl- and 2-Alkyl-Substituted Quinolinium Salts by Using Ir Complexes with Difluorophos and Halide Ligands. <i>Chemistry - A European Journal</i> , 2009, 15, 9990-9994.	1.7	125
13	Living Polymerization of Ethylene Catalyzed by Diene Complexes of Niobium and Tantalum, M(.eta.5-C ₅ Me ₅)(.eta.4-diene) ₂ and M(.eta.5-C ₅ Me ₅)(.eta.4-diene) ₂ (M = Nb and Ta), in the Presence of Methylaluminoxane. <i>Organometallics</i> , 1995, 14, 2633-2640.	1.1	123
14	Sodium methoxide: a simple but highly efficient catalyst for the direct amidation of esters. <i>Chemical Communications</i> , 2012, 48, 5434.	2.2	116
15	Asymmetric hydrogenation of cycloalkanones catalyzed by BINAP-iridium(I)-aminophosphine systems. <i>Journal of the American Chemical Society</i> , 1993, 115, 3318-3319.	6.6	115
16	Asymmetric Allylic Alkylation of α -Ketoesters with Allylic Alcohols by a Nickel/Diphosphine Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1098-1101.	7.2	112
17	New Tantalum Ligand-Free Catalyst System for Highly Selective Trimerization of Ethylene Affording 1-Hexene: New Evidence of a Metallacycle Mechanism. <i>Journal of the American Chemical Society</i> , 2009, 131, 5370-5371.	6.6	107
18	Hemilabile <i>N</i> -Xylyl- α -methylperimidine Carbene Iridium Complexes as Catalysts for C-H Bond Activation and Dehydrogenative Silylation: Dual Role of <i>N</i> -Xylyl Moiety for ortho-C-H Bond Activation and Reductive Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2013, 135, 13149-13161.	6.6	105

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19	Unique bonding and geometry in η^5 -cyclopentadienyltantalum-diene complexes. Preparation, x-ray structural analyses, and EHMO calculations. <i>Journal of the American Chemical Society</i> , 1985, 107, 2410-2422.	6.6	104
20	Synthesis of partially hydrogenated BINAP variants. <i>Tetrahedron Letters</i> , 1991, 32, 7283-7286.	0.7	103
21	Lanthanide Complexes Supported by a Trizinc Crown Ether as Catalysts for Alternating Copolymerization of Epoxide and CO ₂ : Telomerization Controlled by Carboxylate Anions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2492-2496.	7.2	103
22	Polymerization of ethylene catalyzed by a tantalum system Ta(η^5 -3-C ₅ Me ₅)(η^5 -4-diene)(CH ₃) ₂ /MAO: an isoelectronic analog for group 4 metallocene catalyst (MAO = methylaluminumoxane). <i>Journal of the American Chemical Society</i> , 1993, 115, 10990-10991.	6.6	101
23	End-Functionalized Polymerization of 2-Vinylpyridine through Initial C-H Bond Activation of <i>i>N</i>-Heteroaromatics and Internal Alkynes by Yttrium η^2-Diamido Complexes. <i>Journal of the American Chemical Society</i>, 2011, 133, 19626-19629.</i>	6.6	101
24	<i>i>C</i>-Symmetric Rh/Phebox-Catalyzed Asymmetric Alkynylation of α-Ketoesters. <i>Angewandte Chemie - International Edition</i>, 2011, 50, 6296-6300.</i>	7.2	100
25	Selective Formation of Homoleptic and Heteroleptic 2,5-Bis(N-aryliminomethyl)pyrrolyl Yttrium Complexes and Their Performance as Initiators of μ -Caprolactone Polymerization. <i>Organometallics</i> , 2001, 20, 3510-3518.	1.1	99
26	Oxidative Addition of RCO ₂ H and HX to Chiral Diphosphine Complexes of Iridium(I): A Convenient Synthesis of Mononuclear Halo-Carboxylate Iridium(III) Complexes and Cationic Dinuclear Triply Halogen-Bridged Iridium(III) Complexes and Their Catalytic Performance in Asymmetric Hydrogenation of Cyclic Imines and 2-Phenylquinoline. <i>Organometallics</i> , 2006, 25, 2505-2513.	1.1	94
27	Transesterification of Various Methyl Esters Under Mild Conditions Catalyzed by Tetranuclear Zinc Cluster. <i>Journal of Organic Chemistry</i> , 2008, 73, 5147-5150.	1.7	94
28	Cerium(IV) Carboxylate Photocatalyst for Catalytic Radical Formation from Carboxylic Acids: Decarboxylative Oxygenation of Aliphatic Carboxylic Acids and Lactonization of Aromatic Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2020, 142, 5668-5675.	6.6	94
29	Platinum-Catalyzed Direct Amination of Allylic Alcohols with Aqueous Ammonia: Selective Synthesis of Primary Allylamines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 150-154.	7.2	90
30	Mechanistic Studies and Expansion of the Substrate Scope of Direct Enantioselective Alkynylation of α -Ketiminoesters Catalyzed by Adaptable (Phebox)Rhodium(III) Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 6194-6203.	6.6	87
31	Rh-Catalyzed Direct Enantioselective Alkynylation of α -Ketiminoesters. <i>Chemistry - A European Journal</i> , 2013, 19, 8417-8420.	1.7	85
32	Iridium-Difluorophos-Catalyzed Asymmetric Hydrogenation of 2-Alkyl- and 2-Aryl-Substituted Quinoxalines: A General and Efficient Route into Tetrahydroquinoxalines. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1886-1891.	2.1	81
33	An Anionic Dinuclear BINAP-Ruthenium(II) Complex: A Crystal Structure of [NH ₂ Et ₂][{RuCl((R)-p-MeO-BINAP)} ₂ (μ -Cl) ₃] and Its Use in Asymmetric Hydrogenation. <i>Organometallics</i> , 1996, 15, 1521-1523.	1.1	80
34	Highly stereoselective asymmetric hydrogenation of 2-benzamidomethyl-3-oxobutanoate catalysed by cationic binap-ruthenium(II) complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 609-610.	2.0	79
35	Chemistry of Coordinatively Unsaturated Bis(thiolato)ruthenium(II) Complexes (<i>i>I</i>-arene)Ru(SAr)₂ [SAr = 2,6-Dimethylbenzenethiolate, 2,4,6-Triisopropylbenzenethiolate; (SAr)₂ = 1,2-Benzenedithiolate; Arene = Benzene, <i>p</i>-Cymene, Hexamethylbenzene]. <i>Organometallics</i>, 1997, 16, 1016-1025.</i>	1.1	79
36	Direct conversion of esters, lactones, and carboxylic acids to oxazolines catalyzed by a tetranuclear zinc cluster. <i>Chemical Communications</i> , 2006, , 2711.	2.2	78

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37	The Half-sandwich Hydride and 16-Electron Complexes of Rhodium and Iridium Containing (1 <i>S</i> ,2 <i>S</i>)- <i>N</i> -(<i>p</i> -Toluenesulfonyl)-1,2-diphenylethylenediamine: Relevant to the Asymmetric Transfer Hydrogenation. <i>Chemistry Letters</i> , 1998, 27, 1201-1202.	0.7	77
38	Stepwise and one-pot syntheses of Ir(III) complexes with imidazolium-based carbene ligands. <i>Dalton Transactions</i> , 2008, , 916-923.	1.6	75
39	Carbon Radical Generation by dTantalum Complexes with λ^2 -Diimine Ligands through Ligand-Centered Redox Processes. <i>Journal of the American Chemical Society</i> , 2011, 133, 18673-18683.	6.6	75
40	Asymmetric hydroformylation of vinyl acetate by use of chiral bis(triarylphosphite)-rhodium(I) complexes. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 583-586.	1.8	74
41	Uniqueness and versatility of iminopyrrolyl ligands for transition metal complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4414-4423.	0.8	74
42	Zinc-Catalyzed Amide Cleavage and Esterification of β -Hydroxyethylamides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5723-5726.	7.2	73
43	Synthesis of partially hydrogenated 2,2'-bis(diphenylphosphanyl)-1,1'-binaphthyl (BINAP) ligands and their application to catalytic asymmetric hydrogenation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 2309-2322.	0.9	71
44	Intramolecular Benzoylation of an Imino Group of Tridentate 2,5-Bis(<i>N</i> -aryliminomethyl)pyrrolyl Ligands Bound to Zirconium and Hafnium Gives Amido-Pyrrolyl Complexes That Catalyze Ethylene Polymerization. <i>Organometallics</i> , 2004, 23, 2797-2805.	1.1	71
45	Direct functionalization of unactivated C-H bonds catalyzed by group 3 metal alkyl complexes. <i>Dalton Transactions</i> , 2014, 43, 2331-2343.	1.6	71
46	Control of Stereoselectivity in the Ring-Opening Metathesis Polymerization of Norbornene by the Auxiliary Ligands Butadiene and Xylylene in Well-Defined Pentamethylcyclopentadiene Tantalum Carbene Complexes. <i>Organometallics</i> , 1998, 17, 4183-4195.	1.1	70
47	Chemoselective Reduction of Tertiary Amides to Amines Catalyzed by Triphenylborane. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13326-13329.	7.2	70
48	Bis(imido)vanadium(V)-Catalyzed [2+2+1] Coupling of Alkynes and Azobenzenes Giving Multisubstituted Pyrroles. <i>Journal of the American Chemical Society</i> , 2019, 141, 4194-4198.	6.6	67
49	Pentacoordinated Carboxylate Allyl Nickel Complexes as Key Intermediates for the Ni-Catalyzed Direct Amination of Allylic Alcohols. <i>Chemistry - A European Journal</i> , 2015, 21, 14571-14578.	1.7	66
50	Salt-Free Reduction of Nonprecious Transition-Metal Compounds: Generation of Amorphous Ni Nanoparticles for Catalytic C-C Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14437-14441.	7.2	66
51	General Asymmetric Hydrogenation of 2-Alkyl- and 2-Aryl-Substituted Quinoxaline Derivatives Catalyzed by Iridium-Difluorophos: Unusual Halide Effect and Synthetic Application. <i>Journal of Organic Chemistry</i> , 2012, 77, 4544-4556.	1.7	65
52	Low Temperature Activation of Supported Metathesis Catalysts by Organosilicon Reducing Agents. <i>ACS Central Science</i> , 2016, 2, 569-576.	5.3	65
53	Enzyme-Like Catalysis via Ternary Complex Mechanism: Alkoxy-Bridged Dinuclear Cobalt Complex Mediates Chemoselective O-Esterification over N-Amidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 6192-6199.	6.6	64
54	Aminomethylation Reaction of <i>ortho</i> -Pyridyl C-H Bonds Catalyzed by Group 3 Metal Triamido Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 640-643.	6.6	63

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55	Reductive Formation of Straight Linear Metal-Metal Bonded Tetranuclear Complexes $X_2M_2Mo_2M_2X$ from $X_2M_2Mo_2M_2MX_2$ Supported by Four Tridentate 6-Diphenylphosphino-2-pyridonate Ligands (M = Pd, Pt; X = Cl, Br, I). <i>Journal of the American Chemical Society</i> , 1996, 118, 9083-9095.	6.6	62
56	Additive Effects of Amines on Asymmetric Hydrogenation of Quinoxalines Catalyzed by Chiral Iridium Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 11578-11592.	1.7	62
57	Oxidant-Free Direct Coupling of Internal Alkynes and 2-Alkylpyridine via Double C-H Activations by Alkylhafnium Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 732-735.	6.6	61
58	Aluminum Triflate as a Powerful Catalyst for Direct Amination of Alcohols, Including Electron-Withdrawing Group-Substituted Benzhydrols. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2447-2452.	2.1	61
59	Diene Complexes of Calcium and Strontium: First Crystal Structures of Calcium- and Strontium-Diene Complexes, $M(2,3\text{-dimethyl-1,4-diphenyl-1,3-butadiene})(THF)_4$ (M = Ca and Sr). <i>Journal of the American Chemical Society</i> , 1994, 116, 6977-6978.	6.6	60
60	Synthesis of Arenethiolate Complexes of Divalent and Trivalent Lanthanides from Metallic Lanthanides and Diaryl Disulfides: Crystal Structures of $[Yb(hmpa)_3]_2(1^4\text{-SPh})_3[SPh]$ and $Ln(SPh)_3(hmpa)_3$ (Ln = Sm, Yb; hmpa = Hexamethylphosphoric Triamide). <i>Inorganic Chemistry</i> , 1996, 35, 93-99.	1.9	60
61	Unique Complexation of 1,4-Diaza-1,3-butadiene Ligand on Half-Metallocene Fragments of Niobium and Tantalum. <i>Organometallics</i> , 1999, 18, 1471-1481.	1.1	60
62	New synthetic strategy for a straight linear metal-metal bonded tetranuclear complex, the palladium-molybdenum-molybdenum-palladium system supported by four tridentate 6-(diphenylphosphino)-2-pyridonate ligands. <i>Journal of the American Chemical Society</i> , 1993, 115, 11632-11633.	6.6	59
63	Mechanistic understanding of alkyne cyclotrimerization on mononuclear and dinuclear scaffolds: [4 + 2] cycloaddition of the third alkyne onto metallacyclopentadienes and dimetallacyclopentadienes. <i>Dalton Transactions</i> , 2016, 45, 17072-17081.	1.6	59
64	Salt Metathesis and Direct Reduction Reactions Leading to Group 3 Metal Complexes with a $\kappa^2\text{-Bis}(2,6\text{-diisopropylphenyl})\text{-1,4-diaza-1,3-butadiene}$ Ligand and Their Solid-State Structures. <i>Organometallics</i> , 2010, 29, 2610-2615.	1.1	58
65	Isoselective Living Polymerization of 1-Hexene Catalyzed by Half-Metallocene Dimethyl Complexes of Hafnium with Bidentate N-Substituted (Iminomethyl)pyrrolyl Ligands. <i>Organometallics</i> , 2005, 24, 3375-3377.	1.1	56
66	Zinc-Catalyzed Cycloisomerizations. Synthesis of Substituted Furans and Furopyrimidine Nucleosides. <i>Journal of Organic Chemistry</i> , 2008, 73, 5881-5889.	1.7	56
67	Salt-Free Reducing Reagent of Bis(trimethylsilyl)cyclohexadiene Mediates Multielectron Reduction of Chloride Complexes of W(VI) and W(IV). <i>Journal of the American Chemical Society</i> , 2013, 135, 5986-5989.	6.6	55
68	Polyethylene with extremely narrow polydispersity obtained from the new catalyst systems $Nb(\text{1}^5\text{-C}_5\text{Me}_5)(\text{1}^4\text{-diene})\text{Cl}_2$ and $Nb(\text{1}^5\text{-C}_5\text{Me}_5)(\text{1}^4\text{-diene})_2$ MAO. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1623-1624.	2.0	54
69	Structural and Electronic Noninnocence of 1^{\pm} -Diimine Ligands on Niobium for Reductive C-Cl Bond Activation and Catalytic Radical Addition Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6494-6505.	6.6	54
70	New chiral ruthenium complexes for asymmetric catalytic hydrogenations. <i>Pure and Applied Chemistry</i> , 1990, 62, 1135-1138.	0.9	53
71	Chemoselective asymmetric hydrogenation of $\text{1}^{\pm}, \text{1}^2$ -unsaturated carbonyl compounds to allylic alcohols catalyzed by $[Ir(\text{binap})(\text{cod})]BF_4$ -aminophosphine. <i>Journal of Organometallic Chemistry</i> , 1992, 428, 213-222.	0.8	52
72	Iridium-catalyzed Asymmetric Hydrogenation of Pyridinium Salts for Constructing Multiple Stereogenic Centers on Piperidines. <i>Chemistry Letters</i> , 2014, 43, 284-286.	0.7	52

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73	Mechanistic Study of Ni and Cu Dual Catalyst for Asymmetric C-C Bond Formation; Asymmetric Coupling of 1,3-Dienes with C-nucleophiles to Construct Vicinal Stereocenters. <i>ACS Catalysis</i> , 2021, 11, 6643-6655.	5.5	52
74	Preparation, Structural Characterization, and Reactions of Tantalum-Alkyne Complexes TaCl ₃ (R ¹ C≡CR ²)L ₂ (L ₂ = DME, Bipy, and TMEDA; L = Py). <i>Organometallics</i> , 2003, 22, 464-472.	1.1	50
75	Direct substitution of the hydroxy group with highly functionalized nitrogen nucleophiles catalyzed by Au(III). <i>Chemical Communications</i> , 2011, 47, 8322.	2.2	50
76	Highly Enantioselective and cis/trans C=C Bond Selective Catalytic Hydrogenation of Cyclic Enones: Alternative Synthesis of (±)-Menthol. <i>Chemistry - A European Journal</i> , 2008, 14, 2060-2066.	1.7	49
77	Asymmetric Hydrogenation of Heteroaromatic Ketones and Cyclic and Acyclic Enones Mediated by Cu(I)-Chiral Diphosphine Catalysts. <i>Synlett</i> , 2009, 2009, 3143-3146.	1.0	49
78	Controlled Benzoylation of λ^2 -Diimine Ligands Bound to Zirconium and Hafnium: An Alternative Method for Preparing Mono- and Bis(amido)M(CH ₂) ₂ Ph (M = Zr, Hf) Complexes as Catalyst Precursors for Isospecific Polymerization of λ^2 -Olefins. <i>Organometallics</i> , 2009, 28, 680-687.	1.1	49
79	Nickel-catalyzed cyanation of aryl halides and triflates using acetonitrile via C-CN bond cleavage assisted by 1,4-bis(trimethylsilyl)-2,3,5,6-tetramethyl-1,4-dihydropyrazine. <i>Chemical Science</i> , 2019, 10, 994-999.	3.7	49
80	A new convenient preparation of monocyclooctatetraenyl-lanthanide complexes from metallic lanthanides and oxidants. <i>Journal of Organometallic Chemistry</i> , 1994, 473, 85-91.	0.8	48
81	cis-iso-Specific Polymerization of Norbornenes by a Unique Combination of Cp* and 1,3-Butadiene Ligands on Tantalum: Crystal Structures of Cp*(η -4-C ₄ H ₆)Ta(CH ₂ Ph) ₂ and Cp*(η -4-C ₄ H ₆)Ta(CHPh)(PMe ₃). <i>Organometallics</i> , 1996, 15, 2431-2433.	1.1	48
82	Dual Platinum and Pyrrolidine Catalysis in the Direct Alkylation of Allylic Alcohols: Selective Synthesis of Monoalkylation Products. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4377-4381.	7.2	48
83	Hydrogenation of amides catalyzed by a combined catalytic system of a Ru complex with a zinc salt. <i>Chemical Communications</i> , 2014, 50, 11211-11213.	2.2	48
84	Elongation of the Quadruple CrII-CrII Bond Induced by Two PtMe ₂ Moieties in the Linearly Aligned Tetrametal System, PtMe ₂ (η -5-C ₅ Me ₅)(η -4-C ₄ H ₆)(η -2-C ₆ H ₄)Cr(η -5-C ₅ Me ₅)PtMe ₂ . <i>Journal of the American Chemical Society</i> , 1997, 119, 4307-4308.	6.6	47
85	Dative Pd(0)-Mo(II) Bonds in a Linearly Aligned Tetrametal System: Preparation, Characterization, and Reaction of a Tetranuclear Pd(0)-Mo(II)-Mo(II)-Pd(0) Supported by Four 6-Diphenylphosphino-2-pyridonate Ligands. <i>Journal of the American Chemical Society</i> , 1998, 120, 12151-12152.	6.6	47
86	Synthesis and Characterization of Bis(iminopyrrolyl)zirconium Complexes. <i>Chemistry Letters</i> , 2000, 29, 1114-1115.	0.7	47
87	Synthesis, Characterization, and Lactide Polymerization Activity of Group 4 Metal Complexes Containing Two Bis(phenolate) Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 5764-5770.	1.9	47
88	Synthesis, Characterization, and Reactions of a Mononuclear Tantalum-Benzynes Complex, Ta(η -5-C ₅ Me ₅)(η -4-C ₄ H ₆)(η -2-C ₆ H ₄). <i>Organometallics</i> , 1995, 14, 5642-5651.	1.1	46
89	Intramolecular Alkylation of λ^2 -Diimine Ligands Giving Amido-imino and Diamido Scandium and Yttrium Complexes as Catalysts for Intramolecular Hydroamination/Cyclization. <i>Organometallics</i> , 2010, 29, 3463-3466.	1.1	46
90	Alternating Copolymerization of CO ₂ and Cyclohexene Oxide Catalyzed by Cobalt-Lanthanide Mixed Multinuclear Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 7928-7933.	1.9	45

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91	A Dimethyl Complex of a Niobium η^5 -Butadiene Fragment, Cp*(η^5 -C ₄ H ₆)NbMe ₂ , Is a Carbene Precursor with Reactivity Similar to That of Dimethyltitanocene. <i>Organometallics</i> , 1997, 16, 1345-1348.	1.1	44
92	Cerium(IV) Hexanuclear Clusters from Cerium(III) Precursors: Molecular Models for Oxidative Growth of Ceria Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 13454-13461.	1.7	44
93	Direct Evidence for a [4+2] Cycloaddition Mechanism of Alkynes to Tantalacyclopentadiene on Dinuclear Tantalum Complexes as a Model of Alkyne Cyclotrimerization. <i>Chemistry - A European Journal</i> , 2015, 21, 11369-11377.	1.7	44
94	Gold η^5 -Catalyzed Carbenoid Transfer Reactions of Dienes η^5 -Pinacol Rearrangement versus η^5 -Retro η^5 -Buchner Reaction. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 775-781.	2.1	44
95	Salt-Free Reduction of Transition Metal Complexes by Bis(trimethylsilyl)cyclohexadiene, -dihydropyrazine, and -4,4 η^2 -bipyridinylidene Derivatives. <i>Accounts of Chemical Research</i> , 2019, 52, 769-779.	7.6	43
96	Formation of lanthanoid(II) and lanthanoid(III) thiolate complexes derived from metals and organic disulfides: crystal structures of [Ln(SAr)(μ -SAr)(thf) ₃] ₂ (Ln = Sm, Eu), [Sm(SAr) ₃ (py) ₂ (thf)] and [Yb(SAr) ₃ (py) ₃] (Ar = 2,4,6-triisopropylphenyl; py = pyridine). <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2523-2524.	2.0	42
97	Half-Metallocene Tantalum Complexes Bearing Methyl Methacrylate (MMA) and 1,4-Diaza-1,3-diene Ligands as MMA Polymerization Catalysts. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 960-962.	7.2	42
98	Unusual Enhancement of Ethylene Polymerization Activity of Benzyl Zirconium Complexes by Benzylation of the Imino Moiety of 2-(N-Aryliminomethyl)pyrrolyl Ligand. <i>Chemistry Letters</i> , 2003, 32, 756-757.	0.7	42
99	Enhancing Effects of Salt Formation on Catalytic Activity and Enantioselectivity for Asymmetric Hydrogenation of Isoquinolinium Salts by Dinuclear Halide η^5 -Bridged Iridium Complexes Bearing Chiral Diphosphine Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 1915-1927.	1.7	42
100	A new convenient synthesis of cyclooctatetraenyllanthanide complexes: η^5 -ray crystal structure of Ce(C ₈ H ₈)(THF) ₃ . <i>Tetrahedron Letters</i> , 1989, 30, 3697-3700.	0.7	41
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