

Makoto Tanabe

List of Publications by Year in descending order

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76
papers

1,904
citations

218677

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289244

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85
all docs

85
docs citations

85
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	New Horizon of Nanoparticle and Cluster Catalysis with Dendrimers. <i>Chemical Reviews</i> , 2020, 120, 1397-1437.	47.7	169
2	Photocontrolled living polymerizations. <i>Nature Materials</i> , 2006, 5, 467-470.	27.5	166
3	Photolytic Living Anionic Ring-Opening Polymerization (ROP) of Silicon-Bridged [1]Ferrocenophanes via an Iron-Cyclopentadienyl Bond Cleavage Mechanism. <i>Journal of the American Chemical Society</i> , 2004, 126, 11434-11435.	13.7	82
4	Aerobic Toluene Oxidation Catalyzed by Subnano Metal Particles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1002-1006.	13.8	59
5	Cis and Trans Isomers of $\text{Pt}(\text{SiHAr}_2)_2(\text{PR}_3)_2$ (R = Me, Et) in the Solid State and in Solutions. <i>Organometallics</i> , 1999, 18, 1349-1352.	2.3	57
6	A Triangular Triplatinum Complex with Electron-Releasing SiPh_2 and PMe_3 Ligands: $[\{\text{Pt}(\frac{1}{4}\text{-SiPh}_2)(\text{PMe}_3)\}_3]$. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4053-4055.	13.8	54
7	Planar Tetranuclear and Dumbbell-Shaped Octanuclear Palladium Complexes with Bridging Silylene Ligands. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 568-571.	13.8	50
8	$\text{Pd}^{\delta+}\text{Pt}^{\delta-}$ Heterobimetallic and $\text{Pd}^{\delta+}\text{Pd}^{\delta-}$ or $\text{Pt}^{\delta+}\text{Pt}^{\delta-}$ Dinuclear Complexes with Bridging Diphenylsilyl Ligands. <i>Organometallics</i> , 2003, 22, 2190-2192.	2.3	49
9	Preparation and Structure of a New Dipalladium Complex with Bridging Diphenylgermyl Ligands. Diverse Reactivities of $\text{Pd}(\text{PCy}_3)_2$ and $\text{Pt}(\text{PCy}_3)_2$ toward Ph_2GeH_2 . <i>Organometallics</i> , 2006, 25, 796-798.	2.3	44
10	Ligand Exchange of Diplatinum Complexes with Bridging Silyl Ligands Involving $\text{Si}^{\delta+}\text{H}$ Bond Cleavage and Formation. <i>Organometallics</i> , 2008, 27, 2258-2267.	2.3	43
11	Enhanced Catalytic Performance of Subnano Copper Oxide Particles. <i>ACS Nano</i> , 2020, 14, 1804-1810.	14.6	43
12	Tetrapalladium Complex with Bridging Germylene Ligands. Structural Change of the Planar Pd_4Ge_3 Core. <i>Journal of the American Chemical Society</i> , 2011, 133, 18598-18601.	13.7	42
13	Reversible, Strain-Controlled Haptotropic Shifts of Cyclopentadienyl Ligands in [1]- and [2]Metallocenophanes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5886-5890.	13.8	37
14	Diplatinum Complexes with Bridging Silyl Ligands. $\text{Si}^{\delta+}\text{H}$ Bond Activation of $\frac{1}{4}$ -Silyl Ligand Leading to a New Platinum Complex with Bridging Silylene and Silane Ligands. <i>Organometallics</i> , 2007, 26, 459-462.	2.3	37
15	Palladium-Platinum Heterobimetallic Complexes with Bridging Silicon Ligands. Structure and Reaction with Isonitrile to Afford a Platinacyclopentane Containing Si, N, and C Atoms. <i>Organometallics</i> , 2004, 23, 4771-4777.	2.3	36
16	Dipalladium Complex with Bridging Silylene Ligands, $[\{\text{Pd}(\text{dmpe})\}_2(\frac{1}{4}\text{-SiPh}_2)_2]$, Formed via Dimerization of a Bis(silyl)palladium Complex. <i>Organometallics</i> , 2007, 26, 2937-2940.	2.3	36
17	Mono- and Dinuclear Germapalladacycles Obtained via the $\text{Ge}^{\delta+}\text{Ge}$ Bond Forming Reactions Promoted by Palladium Complexes. <i>Organometallics</i> , 2008, 27, 5152-5158.	2.3	36
18	Platinum and Palladium Complexes with Metal-Silicon Bonds. New Bonding, Structures, and Chemical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1887-1898.	3.2	35

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19	Strain-Controlled, Photochemically, or Thermally Promoted Haptotropic Shifts of Cyclopentadienyl Ligands in Group 8 Metallocenophanes. <i>Journal of the American Chemical Society</i> , 2008, 130, 4166-4176.	13.7	34
20	Sila- and Germametallacycles of Late Transition Metals. <i>Organometallics</i> , 2010, 29, 4702-4710.	2.3	34
21	Insertion of Alkynes into the Pt-Si Bond of Silylplatinum Complexes Leading to the Formation of 4-Sila-3-platinacyclobutenes and 5-Sila-2-platina-1,4-cyclohexadienes. <i>Chemistry - A European Journal</i> , 2004, 10, 416-424.	3.3	32
22	Reaction of an alkyne with dinickel-diphenylsilyl complexes. An emissive disilane formed via the consecutive Si-C and Si-Si bond-making processes. <i>Chemical Communications</i> , 2012, 48, 2125.	4.1	32
23	Formation and Ring Expansion of Germaplatinacycles via Dehydrogenative Ge-Ge and Ge-Pt Bond-Forming Reactions. <i>Organometallics</i> , 2009, 28, 6014-6019.	2.3	31
24	Dinuclear Palladium and Platinum Complexes with Bridging Silylene Ligands. Preparation Using (Aminosilyl)boronic Ester as the Ligand Precursor and Their Reactions with Alkynes. <i>Organometallics</i> , 2011, 30, 3981-3991.	2.3	30
25	Nickel-Catalyzed Cyclopolymerization of Hexyl- and Phenylsilanes. <i>Organometallics</i> , 2013, 32, 1037-1043.	2.3	29
26	Si-C Bond Activation of ArMe ₂ SiOH Promoted by a Bromoplatinum(II) Complex and Ag ₂ O. Aryl Group Transfer from Silicon to Platinum. <i>Organometallics</i> , 2001, 20, 1243-1246.	2.3	27
27	Structure of 4-Sila-3-platinacyclobutene and Its Formation via Pt-Promoted σ -Si-H Bond Activation of 3-Sila-1-propenylplatinum Precursor. <i>Journal of the American Chemical Society</i> , 2002, 124, 4550-4551.	13.7	25
28	Ring Expansion of Cyclic Triplatinum(0) Silylene Complexes Induced by Insertion of Alkyne into a Si-Pt Bond. <i>Organometallics</i> , 2015, 34, 2985-2990.	2.3	24
29	Selective Hydroperoxygation of Olefins Realized by a Coinage Multimetallic 1-Nanometer Catalyst. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23051-23055.	13.8	23
30	Multinuclear Pd and Pt complexes with bridging Si- and Ge-ligands. Stable and flexible coordination bonds and structures and reactions of the molecules. <i>Coordination Chemistry Reviews</i> , 2020, 412, 213195.	18.8	21
31	Double Addition of the Si-H Bonds of Pt(SiHPh ₂) ₂ (PMe ₃) ₂ to Nitriles to Afford 3-Aza-2,4-disilaplatinacyclobutanes. <i>Organometallics</i> , 2001, 20, 2118-2120.	2.3	19
32	Preparation and NMR Studies of Palladium Complexes with a Silsesquioxanate Ligand. <i>Organometallics</i> , 2008, 27, 519-523.	2.3	19
33	Preparation and Properties of Perarylated 3,4-Disila-1,5-hexadienes. A Fluorescent Disilane Accommodated in the Crystal Lattice. <i>Organometallics</i> , 2012, 31, 6787-6795.	2.3	19
34	Four-, Five-, and Six-Membered Silaplatinacycles Obtained from the Reaction of an Aryllallene with Pt(SiHPh ₂) ₂ (PMe ₃) ₂ . <i>Organometallics</i> , 2001, 20, 4451-4453.	2.3	18
35	Rh-Pt heterobimetallic and diplatinum complexes with bridging silyl and silylene ligands. <i>Inorganica Chimica Acta</i> , 2003, 350, 201-208.	2.4	18
36	Chemical Properties of Tetragermaplatinacyclopentane. Insertion of an Alkyne into a Pt-Ge Bond and Silylation Caused by H ₂ SiPh ₂ . <i>Organometallics</i> , 2011, 30, 3386-3391.	2.3	18

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37	Dipalladium Complexes with Bridging Monoalkyl or Monophenyl Silyl Ligands in the Solid State and in Solution. <i>Organometallics</i> , 2013, 32, 1815-1820.	2.3	17
38	A triangular triplatinum(0) complex with bridging germylene ligands: insertion of alkynes into the Pt-Ge bond rather than the Pt-Pt bond. <i>Chemical Communications</i> , 2014, 50, 6839-6842.	4.1	17
39	Planar PtPd ₃ Complexes Stabilized by Three Bridging Silylene Ligands. <i>Chemistry - A European Journal</i> , 2017, 23, 1386-1392.	3.3	17
40	Preparation and Structure of New Phenylplatinum Complexes Containing Silsesquioxane as a Monodentate or Bidentate Ligand. <i>Organometallics</i> , 2006, 25, 3776-3783.	2.3	16
41	Low-Temperature H ₂ Reduction of Copper Oxide Subnanoparticles. <i>Chemistry - A European Journal</i> , 2021, 27, 8452-8456.	3.3	16
42	Triangular Triplatinum Complex with Four Bridging Si Ligands: Dynamic Behavior of the Molecule and Catalysis. <i>Organometallics</i> , 2017, 36, 1929-1935.	2.3	15
43	Hexanuclear Pt complexes composed of two cyclic triplatinum units connected with 1,4-diphenylene and 1,1'-ferrocenylene spacer. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3957-3962.	1.8	14
44	Preparation and Thermal Reaction of Tetrastannapalladacyclopentane. Sn-Sn Bond Formation and Cleavage. <i>Organometallics</i> , 2010, 29, 3535-3540.	2.3	14
45	Cd(II) and Pb(II) complexes of the polyether ionophorous antibiotic salinomycin. <i>Chemistry Central Journal</i> , 2011, 5, 52.	2.6	14
46	Hydrosilylation of Aromatic Aldehydes and Ketones Catalyzed by Mono- and Tri-Nuclear Platinum(0) Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 858-864.	3.2	14
47	Cationic Hydridotriplatinum Complex with Bridging Germylene Ligands. <i>Organometallics</i> , 2014, 33, 2608-2612.	2.3	13
48	Bond Formation and Coupling between Germyl and Bridging Germylene Ligands in Dinuclear Palladium(I) Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2679-2683.	13.8	13
49	Arylpalladium Complexes with a Silsesquioxanate Ligand. Preparation and Structures in the Solid State and in Solution. <i>Organometallics</i> , 2007, 26, 1402-1410.	2.3	12
50	Aerobic Toluene Oxidation Catalyzed by Subnano Metal Particles. <i>Angewandte Chemie</i> , 2019, 131, 1014-1018.	2.0	11
51	Synthesis, molecular structures and phase transition studies on benzothiazole-cored Schiff bases with their Cu(II) and Pd(II) complexes: Crystal structure of (E)-6-methoxy-2-(4-octyloxy-2-hydroxybenzylideneamino)benzothiazole. <i>Journal of Molecular Structure</i> , 2012, 1012, 1-11.	3.6	10
52	Proto- and Iodo-lactonization Reaction of Substituted α,β -Unsaturated Carboxylic Acid. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 1583-1587.	3.2	9
53	Dialkyl- and diaryl-platinum(II) complexes with secondary phosphines: Preparation, structure and thermal reaction giving the metalopolymer. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2270-2278.	1.8	9
54	Synthesis of 4,4-Dihydrodithienosilole and Its Unexpected Cyclodimerization Catalyzed by Ni and Pt Complexes. <i>Organometallics</i> , 2017, 36, 1974-1980.	2.3	9

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55	Preparation, Structures, and Electrochemical Properties of Silaplatinacyclohexadienes with Ferrocenyl Pendant Groups. <i>Organometallics</i> , 2003, 22, 373-376.	2.3	7
56	Synthesis and characterization of a dinuclear platinum complex with silsesquioxanate ligand. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1738-1743.	1.8	7
57	Rh ⁺ Pt Heterobimetallic Complexes with Unsymmetrically Bridging Organosilyl Ligands: Crystal Structure and Dynamic Behavior in Solution. <i>Chemistry Letters</i> , 2001, 30, 962-963.	1.3	6
58	Dinuclear Pt(II) and Pd(I) Complexes with Bridging PPh ₂ Ligands from the Reaction of PPh ₂ H with Zero-Valent Complexes of These Metals. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1288-1290.	3.2	6
59	Synthesis and Characterization of Platinasilsesquioxane Complexes and Their Reaction with Arylboronic Acid. <i>Organometallics</i> , 2011, 30, 187-190.	2.3	6
60	Preparation and reactivity of an O,O-chelating silsesquioxane ⁺ palladium complex. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1211-1215.	1.8	6
61	Ge ⁺ Ge Bond-Forming Reactions from Bis(germyl)palladium Complexes with Chelating Diphosphine Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1384-1388.	1.6	6
62	Tetramer and Polymer of 2,7-Dialkoxy-9 <i>H</i> -9-silafluorene Composed of Si Backbone and π -Stacked Biphenylene Groups. <i>Chemistry Letters</i> , 2016, 45, 394-396.	1.3	6
63	Selective Hydroperoxygenation of Olefins Realized by a Coinage Multimetallic 1 ⁺ Nanometer Catalyst. <i>Angewandte Chemie</i> , 2020, 132, 23251-23255.	2.0	6
64	Ring-Opening Reaction of a Pergermylated Platinacyclopentane Forming 1,4-Bis(arenethiolato)tetragermanes. <i>Organometallics</i> , 2012, 31, 7386-7393.	2.3	5
65	Cyclic Platina(borasiloxane)s and Platina(siloxane)s and Their Chemical Properties. <i>Organometallics</i> , 2018, 37, 22-29.	2.3	5
66	Recent topics of the metallocycles composed of the heavier group 14 elements. <i>Tetrahedron Letters</i> , 2014, 55, 3641-3647.	1.4	4
67	Nickel(0)-Catalyzed Polycondensation of Silafluorene: Control over Molecular Weight and Polymer Growth Mechanism. <i>Organometallics</i> , 2016, 35, 2557-2562.	2.3	4
68	Bimolecular fusion of [Pd ₃ ($\frac{1}{4}$ -CN-C ₆ H ₃ Me ₂ -2,6) ₃ (CN-C ₆ H ₃ Me ₂) ₃] induced by Ph ₂ GeH ₂ : formation of the redox-active Pd ₆ Ge ₂ complex. <i>Dalton Transactions</i> , 2019, 48, 7541-7545.	3.3	4
69	A useful preparation of ultrasmall iron oxide particles by using arc plasma deposition. <i>RSC Advances</i> , 2020, 10, 41523-41531.	3.6	4
70	Transition Metal Complexes of Silicon (Excluding Silylene Complexes). , 2017, , 31-67.		3
71	NMR, IR and DFT studies of phenylplatinum complexes with O-monodentate coordinated silsesquioxanate and auxiliary phosphine ligands. <i>Journal of Organometallic Chemistry</i> , 2012, 697, 23-32.	1.8	2
72	Bond Formation and Coupling between Germyl and Bridging Germylene Ligands in Dinuclear Palladium(I) Complexes. <i>Angewandte Chemie</i> , 2015, 127, 2717-2721.	2.0	1

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73	Low-Temperature H ₂ Reduction of Copper Oxide Subnanoparticles. <i>Chemistry - A European Journal</i> , 2021, 27, 8410-8410.	3.3	1
74	Innentitelbild: Aerobic Toluene Oxidation Catalyzed by Subnano Metal Particles (<i>Angew. Chem.</i> 4/2019). <i>Angewandte Chemie</i> , 2019, 131, 932-932.	2.0	0
75	Precise Synthesis of Nanoparticles and Their Catalytic Behavior. <i>Topics in Organometallic Chemistry</i> , 2020, , 131-170.	0.7	0
76	Copper-bismuth Binary Oxide Clusters: An Efficient Catalyst for Selective Styrene Bisperoxidation. <i>Chemistry Letters</i> , 2022, 51, 317-320.	1.3	0