

Tetsuro Murahashi

List of Publications by Year in descending order

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66
papers

2,142
citations

257450

24
h-index

233421

45
g-index

74
all docs

74
docs citations

74
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	Organopalladium complexes containing palladium–palladium bonds. <i>Coordination Chemistry Reviews</i> , 2002, 231, 207-228.	18.8	208
2	Discrete Sandwich Compounds of Monolayer Palladium Sheets. <i>Science</i> , 2006, 313, 1104-1107.	12.6	182
3	Organometallic Sandwich Chains Made of Conjugated Polyenes and Metal–Metal Chains. <i>Journal of the American Chemical Society</i> , 1999, 121, 10660-10661.	13.7	107
4	Synthesis and ligand substitution reactions of a homoleptic acetonitrile dipalladium(i) complex. <i>Chemical Communications</i> , 2000, , 1689-1690.	4.1	103
5	Perylene–Tetrapalladium Sandwich Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 8436-8437.	13.7	89
6	Square Tetrapalladium Sheet Sandwich Complexes: Cyclononatetraenyl as a Versatile Face-Capping Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 9888-9889.	13.7	84
7	Rearrangement of a Pd ₄ Skeleton from a 1D Chain to a 2D Sheet on the Face of a Perylene or Fluoranthene Ligand Caused by Exchange of the Binder Molecule. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3509-3512.	13.8	72
8	Remarkably Wide Range of Bond Distance Adjustment of d ₉ –d ₉ Pd–Pd Interactions to Change in Coordination Environment. <i>Journal of the American Chemical Society</i> , 1998, 120, 4536-4537.	13.7	65
9	Discrete Triangular Tripalladium Sandwich Complexes of Arenes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5440-5443.	13.8	64
10	Coupling of Alkynes on a Pd–Pd Bond to Generate an Electrophilic η^4 -Butenediylidene Moiety. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 537-540.	13.8	61
11	Reductive Coupling of Metal Triangles in Sandwich Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 8586-8587.	13.7	61
12	Redox-induced reversible metal assembly through translocation and reversible ligand coupling in tetranuclear metal sandwich frameworks. <i>Nature Chemistry</i> , 2012, 4, 52-58.	13.6	57
13	Multinuclear metal-binding ability of a carotene. <i>Nature Communications</i> , 2015, 6, 6742.	12.8	56
14	Oxidative Dinuclear Addition of a Pd ^I –Pd ^I Moiety to Arenes: Generation of η^4 - η^3 -Arene-Pd ^{II} ₂ Species. <i>Journal of the American Chemical Society</i> , 2011, 133, 14908-14911.	13.7	54
15	Sandwich Complexes Containing Bent Palladium Chains. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5799-5803.	13.8	53
16	Metallocenoids of platinum: Syntheses and structures of triangular triplatinum sandwich complexes of cycloheptatrienyl. <i>Chemical Science</i> , 2011, 2, 117-122.	7.4	51
17	Photoinduced Face-Inversion of Conjugated Tetraene Ligands on a Pd–Pd–Pd Moiety. <i>Journal of the American Chemical Society</i> , 2002, 124, 14288-14289.	13.7	50
18	A stable zerovalent palladium chain enveloped by a π -electron sheath of conjugated polyene ligands. <i>Chemical Communications</i> , 2008, , 477-479.	4.1	49

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19	Stereoretentive Elimination and Trans-olefination of the Dicationic Dipalladium Moiety [Pd ₂ Ln] ₂ +Bound on 1,3,5-Trienes. <i>Journal of the American Chemical Society</i> , 2006, 128, 4377-4388.	13.7	44
20	Reversible Interconversion between Dinuclear Sandwich and Half-Sandwich Complexes: Unique Dynamic Behavior of a Pd ^{II} Pd ^{II} Moiety Surrounded by an sp ² -Carbon Framework. <i>Journal of the American Chemical Society</i> , 2001, 123, 6927-6928.	13.7	40
21	Stepwise growth of polypalladium chains in 1,4-diphenyl-1,3-butadiene sandwich complexes Electronic supplementary information (ESI) available: structural details. See http://www.rsc.org/suppdata/cc/b4/b403098b/ . <i>Chemical Communications</i> , 2004, , 1430.	4.1	34
22	Three-Dimensional Sandwich Nanocubes Composed of 13-Atom Palladium Core and Hexakis-Carbocycle Shell. <i>Journal of the American Chemical Society</i> , 2018, 140, 12682-12686.	13.7	34
23	Rational synthesis of anionic, neutral and cationic palladium(I) dinuclear complexes containing bridging conjugated dienes. <i>Chemical Communications</i> , 1996, , 825.	4.1	32
24	Modulation of Benzene or Naphthalene Binding to Palladium Cluster Sites by the Backside Ligand Effect. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2482-2486.	13.8	27
25	Selective Construction of Pd ₂ Pt and PdPt ₂ Triangles in a Sandwich Framework: Carbocyclic Ligands as Scaffolds for a Mixed Metal System. <i>Chemistry - A European Journal</i> , 2012, 18, 8886-8890.	3.3	25
26	Bis-cyclooctatetraene tripalladium sandwich complexes. <i>Chemical Communications</i> , 2014, 50, 820-822.	4.1	22
27	Continuum in Indole Palladium(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5322-5326.	13.8	22
28	Bridging π -coordination of pyrrole and indole over a Pd ^I -Pd ^I bond. <i>Chemical Communications</i> , 2013, 49, 4310-4312.	4.1	21
29	Synthesis and Reversible Reductive Coupling of Cationic, Dinitrogen-Derived Diazoalkane Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 7181-7193.	4.0	18
30	Bridging Coordination of Vinylarenes to Pd ₃ or Pd ₄ Cluster Sites. <i>Chemistry - A European Journal</i> , 2017, 23, 14149-14152.	3.3	17
31	Trinuclear palladium addition to unsaturated carbocycles. <i>Dalton Transactions</i> , 2013, 42, 10626.	3.3	16
32	Synthesis and structure of dipalladium complexes containing cyclooctatetraene and bicyclooctatrienyl ligands. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 894-898.	1.8	15
33	Bimodal coordination of fused arenes to a Pd ₃ cluster site. <i>Chemical Communications</i> , 2018, 54, 5875-5878.	4.1	15
34	Synthesis and structure of 1,3-dienolate (CH ₂ C(O)CH ⁻ ...CH ₂) complex of dipalladium(I) moiety: contribution of π -olefin co-ordination of enolate to transition metal. <i>Journal of Organometallic Chemistry</i> , 1999, 574, 142-147.	1.8	14
35	Substrate Binding by a Parallel Metal Sheet Sandwich Complex: A Unique Role of an Additional Metal Atom. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1346-1350.	13.8	14
36	Generation of Oligoene Species Capped by Palladium(II) Moieties from Dinuclear Palladium(I) Complex and Alkyne. <i>Organometallics</i> , 2002, 21, 3679-3682.	2.3	13

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37	Selective E to Z isomerization of 1,3-Dienes Enabled by A Dinuclear Mechanism. <i>Nature Communications</i> , 2021, 12, 1473.	12.8	13
38	New Direction in Organopalladium Chemistry: Structure and Reactivity of Unsaturated Hydrocarbon Ligands Bound to Multipalladium Units. <i>Chemical Record</i> , 2003, 3, 101-111.	5.8	12
39	A Ligand Composed of Dinitrogen and Methylidiphenylphosphane in a Cationic Molybdenum Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2560-2563.	13.8	12
40	Structures of two haptotropic isomers generated by the sliding of 1,3,5-triene ligands on a Pd μ -Pd μ -Pd chain. <i>Chemical Communications</i> , 2008, , 4061.	4.1	12
41	Synthesis and Reactivity of a Palladium(I) μ -Palladium(I)-Bonded $\frac{1}{4}$ -Hydroxo Complex Supported by a Bridging Butadiene Ligand. <i>Organometallics</i> , 2002, 21, 3317-3322.	2.3	11
42	Dinuclear Addition of the Pd μ -Pd Moieties to 1,3-Dienes. <i>Chemistry Letters</i> , 2006, 35, 754-755.	1.3	11
43	Extended Open μ -Chain Polyenides as Versatile Delocalized Anion Ligands for Metal Chain Clusters. <i>Chemistry - A European Journal</i> , 2018, 25, 1212-1216.	3.3	11
44	Contiguous multiple π -coordination of π -conjugated polyenes: bonding nature and charge delocalization behaviour of polyene μ -(palladium chain) sandwich clusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4287-4296.	2.8	10
45	Exceeding Metal Capacity in Sandwich Complexes: Ligand μ -Unsupported Docking of Extra Metal Moieties at Edges of a Metal Sheet Sandwich Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15318-15323.	13.8	10
46	Substrate Binding by a Parallel Metal Sheet Sandwich Complex: A Unique Role of an Additional Metal Atom. <i>Angewandte Chemie</i> , 2017, 129, 1366-1370.	2.0	8
47	Thiophene and Selenophene Binding at a Pd ₃ Cluster Site. <i>Chemistry - A European Journal</i> , 2020, 26, 8388-8392.	3.3	8
48	Synthesis of a tripalladium cluster containing an η -1: η -2: η -2-bridging butadienyl ligand stabilized by a zwitterionic structure. <i>Journal of Organometallic Chemistry</i> , 1997, 530, 187-189.	1.8	7
49	Modulation of Benzene or Naphthalene Binding to Palladium Cluster Sites by the Backside μ -Ligand Effect. <i>Angewandte Chemie</i> , 2015, 127, 2512-2516.	2.0	7
50	Multinuclear coordination of fused benzene ring hydrocarbons. <i>Coordination Chemistry Reviews</i> , 2022, 466, 214575.	18.8	7
51	A mechanistic insight into metal-cluster π -envelopment: a dual binding mode involving bent and planar ligand-conformers. <i>Chemical Communications</i> , 2016, 52, 6427-6430.	4.1	6
52	Photo-induced translocation of a Pd _n moiety (n = 2, 7) on a conjugated polyene ligand. <i>Dalton Transactions</i> , 2019, 48, 13149-13153.	3.3	6
53	Novel coordination behavior of unsaturated hydrocarbon ligands on Pd-Pd bonds. <i>Pure and Applied Chemistry</i> , 2001, 73, 295-298.	1.9	5
54	Formation and coordination modes of the C ₄ E ₄ moiety (E = COOMe) bound to two palladium(ii) moieties. <i>Dalton Transactions</i> , 2011, 40, 2383.	3.3	4

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55	Ïfâ€“Ï€ Continuum in Indoleâ€“Palladium(II) Complexes. <i>Angewandte Chemie</i> , 2016, 128, 5408-5412.	2.0	4
56	Dinuclear palladium(I) sandwich complexes of furan and toluene. <i>Comptes Rendus Chimie</i> , 2015, 18, 785-789.	0.5	3
57	Exceeding Metal Capacity in Sandwich Complexes: Ligandâ€“Unsupported Docking of Extra Metal Moieties at Edges of a Metal Sheet Sandwich Complex. <i>Angewandte Chemie</i> , 2019, 131, 15462-15467.	2.0	3
58	Selective dimerization of a trinuclear mixed-metal sandwich complex: construction of an axially chiral metal skeleton. <i>Chemical Communications</i> , 2021, 57, 9120-9123.	4.1	3
59	Bridging coordination of acenaphthylene to a Pd₃ chain or a Pd₄ sheet cluster. <i>Dalton Transactions</i> , 2022, 51, 1901-1906.	3.3	3
60	Synthesis and Reactivity of Organopolypalladium Complexes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2003, 61, 652-660.	0.1	2
61	Synthesis and destannylation of Î-3-1-stannylallylpalladium(II) complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 625, 54-57.	1.8	1
62	Organometallic Multinuclear Sandwich Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2008, 51, 31-40.	0.2	1
63	Synthesis and Reactivity of Organopolypalladium Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0
64	New Direction in Organopalladium Chemistry: Structure and Reactivity of Unsaturated Hydrocarbon Ligands Bound to Multipalladium Units. <i>ChemInform</i> , 2004, 35, no.	0.0	0
65	Anti dinuclear adducts of cycloheptatriene and cycloheptatrienyl ligands: Anti-[Pd2(Î¼-C7H8)(PPh3)4][BF4]2 and anti-[M2(Î¼-C7H7)(PPh3)4][BF4] (M=ÂPd, Pt). <i>Journal of Organometallic Chemistry</i> , 2015, 784, 97-102.	1.8	0
66	Heterometallic d⁸â€“d¹⁰ Coupling of Rh(I) and M(0) (M=Pd, Pt) in a Sandwich Framework of Î€â€“Conjugated Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 10558-10562.	3.3	0