

# Tetsuro Murahashi

## List of Publications by Year in descending order

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66  
papers

2,142  
citations

257450

24  
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233421

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74  
all docs

74  
docs citations

74  
times ranked

1025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging coordination of acenaphthylene to a Pd <sub>3</sub> chain or a Pd <sub>4</sub> sheet cluster. Dalton Transactions, 2022, 51, 1901-1906.	3.3	3
2	Multinuclear coordination of fused benzene ring hydrocarbons. Coordination Chemistry Reviews, 2022, 466, 214575.	18.8	7
3	Selective dimerization of a trinuclear mixed-metal sandwich complex: construction of an axially chiral metal skeleton. Chemical Communications, 2021, 57, 9120-9123.	4.1	3
4	Selective E to Z isomerization of 1,3-Dienes Enabled by A Dinuclear Mechanism. Nature Communications, 2021, 12, 1473.	12.8	13
5	Heterometallic d <sup>8</sup> -d <sup>10</sup> Coupling of Rh(I) and M(0) (M=Pd, Pt) in a Sandwich Framework of $\pi$ -Conjugated Ligands. Chemistry - A European Journal, 2021, 27, 10558-10562.	3.3	0
6	Thiophene and Selenophene Binding at a Pd <sub>3</sub> Cluster Site. Chemistry - A European Journal, 2020, 26, 8388-8392.	3.3	8
7	Exceeding Metal Capacity in Sandwich Complexes: Ligand-Supported Docking of Extra Metal Moieties at Edges of a Metal Sheet Sandwich Complex. Angewandte Chemie - International Edition, 2019, 58, 15318-15323.	13.8	10
8	Exceeding Metal Capacity in Sandwich Complexes: Ligand-Supported Docking of Extra Metal Moieties at Edges of a Metal Sheet Sandwich Complex. Angewandte Chemie, 2019, 131, 15462-15467.	2.0	3
9	Photo-induced translocation of a Pd <sub>n</sub> moiety (n = 2, 7) on a conjugated polyene ligand. Dalton Transactions, 2019, 48, 13149-13153.	3.3	6
10	Contiguous multiple $\pi$ -coordination of $\pi$ -conjugated polyenes: bonding nature and charge delocalization behaviour of polyene-(palladium chain) sandwich clusters. Physical Chemistry Chemical Physics, 2018, 20, 4287-4296.	2.8	10
11	Extended Open-Chain Polyenes as Versatile Delocalized Anion Ligands for Metal Chain Clusters. Chemistry - A European Journal, 2018, 25, 1212-1216.	3.3	11
12	Three-Dimensional Sandwich Nanocubes Composed of 13-Atom Palladium Core and Hexakis-Carbocycle Shell. Journal of the American Chemical Society, 2018, 140, 12682-12686.	13.7	34
13	Bimodal coordination of fused arenes to a Pd <sub>3</sub> cluster site. Chemical Communications, 2018, 54, 5875-5878.	4.1	15
14	Substrate Binding by a Parallel Metal Sheet Sandwich Complex: A Unique Role of an Additional Metal Atom. Angewandte Chemie - International Edition, 2017, 56, 1346-1350.	13.8	14
15	Substrate Binding by a Parallel Metal Sheet Sandwich Complex: A Unique Role of an Additional Metal Atom. Angewandte Chemie, 2017, 129, 1366-1370.	2.0	8
16	Bridging Coordination of Vinylarenes to Pd <sub>3</sub> - or Pd <sub>4</sub> Cluster Sites. Chemistry - A European Journal, 2017, 23, 14149-14152.	3.3	17
17	$\pi$ - $\pi$ Continuum in Indole-Palladium(II) Complexes. Angewandte Chemie, 2016, 128, 5408-5412.	2.0	4
18	A mechanistic insight into metal-cluster $\pi$ -envelopment: a dual binding mode involving bent and planar ligand-conformers. Chemical Communications, 2016, 52, 6427-6430.	4.1	6

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19	π-Continuum in Indole-Palladium(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5322-5326.	13.8	22
20	Modulation of Benzene or Naphthalene Binding to Palladium Cluster Sites by the Backside-Ligand Effect. <i>Angewandte Chemie</i> , 2015, 127, 2512-2516.	2.0	7
21	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
22	Dinuclear palladium(I) sandwich complexes of furan and toluene. <i>Comptes Rendus Chimie</i> , 2015, 18, 785-789.	0.5	3
23	Anti dinuclear adducts of cycloheptatriene and cycloheptatrienyl ligands: Anti-[Pd <sub>2</sub> (η <sup>4</sup> -C <sub>7</sub> H <sub>8</sub> )(PPh <sub>3</sub> ) <sub>4</sub> ][BF <sub>4</sub> ] <sub>2</sub> and anti-[M <sub>2</sub> (η <sup>4</sup> -C <sub>7</sub> H <sub>7</sub> )(PPh <sub>3</sub> ) <sub>4</sub> ][BF <sub>4</sub> ] (M = Pd, Pt). <i>Journal of Organometallic Chemistry</i> , 2015, 784, 97-102.		0
24	Multinuclear metal-binding ability of a carotene. <i>Nature Communications</i> , 2015, 6, 6742.	12.8	56
25	Bis-cyclooctatetraene tripalladium sandwich complexes. <i>Chemical Communications</i> , 2014, 50, 820-822.	4.1	22
26	Trinuclear palladium addition to unsaturated carbocycles. <i>Dalton Transactions</i> , 2013, 42, 10626.	3.3	16
27	Bridging π-coordination of pyrrole and indole over a Pd-Pd bond. <i>Chemical Communications</i> , 2013, 49, 4310-4312.	4.1	21
28	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
29	Selective Construction of Pd <sub>2</sub> Pt and PdPt <sub>2</sub> 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
30	Formation and coordination modes of the C <sub>4</sub> E <sub>4</sub> moiety (E = COOMe) bound to two palladium(ii) moieties. <i>Dalton Transactions</i> , 2011, 40, 2383.	3.3	4
31	Metalloenoids of platinum: Syntheses and structures of triangular triplatinum sandwich complexes of cycloheptatrienyl. <i>Chemical Science</i> , 2011, 2, 117-122.	7.4	51
32	Oxidative Dinuclear Addition of a Pd-Pd Moiety to Arenes: Generation of η <sup>4</sup> -η <sup>3</sup> :η <sup>3</sup> -Arene-Pd <sub>2</sub> Species. <i>Journal of the American Chemical Society</i> , 2011, 133, 14908-14911.	13.7	54
33	Synthesis and Reversible Reductive Coupling of Cationic, Dinitrogen-Derived Diazoalkane Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 7181-7193.	4.0	18
34	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
35	Synthesis and structure of dipalladium complexes containing cyclooctatetraene and bicyclooctatrienyl ligands. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 894-898.	1.8	15
36	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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37	Structures of two haptotropic isomers generated by the sliding of 1,3,5-triene ligands on a Pd-Pd-Pd chain. <i>Chemical Communications</i> , 2008, , 4061.	4.1	12
38	Reductive Coupling of Metal Triangles in Sandwich Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 8586-8587.	13.7	61
39	Organometallic Multinuclear Sandwich Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2008, 51, 31-40.	0.2	1
40	Rearrangement of a Pd <sub>4</sub> 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
41	Discrete Triangular Tripalladium Sandwich Complexes of Arenes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5440-5443.	13.8	64
42	Stereoretentive Elimination and Trans-olefination of the Dicationic Dipalladium Moiety [Pd <sub>2</sub> Ln] <sub>2</sub> +Bound on 1,3,5-Trienes. <i>Journal of the American Chemical Society</i> , 2006, 128, 4377-4388.	13.7	44
43	Dinuclear Addition of the Pd-Pd Moieties to 1,3-Dienes. <i>Chemistry Letters</i> , 2006, 35, 754-755.	1.3	11
44	Sandwich Complexes Containing Bent Palladium Chains. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5799-5803.	13.8	53
45	Discrete Sandwich Compounds of Monolayer Palladium Sheets. <i>Science</i> , 2006, 313, 1104-1107.	12.6	182
46	A Ligand Composed of Dinitrogen and Methylphenylphosphane in a Cationic Molybdenum Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2560-2563.	13.8	12
47	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
48	Stepwise growth of polypalladium chains in 1,4-diphenyl-1,3-butadiene sandwich complexes Electronic supplementary information (ESI) available: structural details. See <a href="http://www.rsc.org/suppdata/cc/b4/b403098b/">http://www.rsc.org/suppdata/cc/b4/b403098b/</a> . <i>Chemical Communications</i> , 2004, , 1430.	4.1	34
49	Synthesis and Reactivity of Organopolypalladium Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0
50	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
51	Perylene-Tetrapalladium Sandwich Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 8436-8437.	13.7	89
52	Synthesis and Reactivity of Organopolypalladium Complexes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2003, 61, 652-660.	0.1	2
53	Synthesis and Reactivity of a Palladium(I)-Palladium(I)-Bonded 1/4-Hydroxo Complex Supported by a Bridging Butadiene Ligand. <i>Organometallics</i> , 2002, 21, 3317-3322.	2.3	11
54	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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55	Photoinduced Face-Inversion of Conjugated Tetraene Ligands on a Pd <sup>δ+</sup> Pd <sup>δ-</sup> Pd Moiety. <i>Journal of the American Chemical Society</i> , 2002, 124, 14288-14289.	13.7	50
56	Organopalladium complexes containing palladium <sup>δ+</sup> -palladium bonds. <i>Coordination Chemistry Reviews</i> , 2002, 231, 207-228.	18.8	208
57	Reversible Interconversion between Dinuclear Sandwich and Half-Sandwich Complexes: Unique Dynamic Behavior of a Pd <sup>δ+</sup> Pd Moiety Surrounded by an sp <sup>2</sup> -Carbon Framework. <i>Journal of the American Chemical Society</i> , 2001, 123, 6927-6928.	13.7	40
58	Synthesis and destannylation of $\eta^3$ -1-stannylallylpalladium(II) complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 625, 54-57.	1.8	1
59	Novel coordination behavior of unsaturated hydrocarbon ligands on Pd-Pd bonds. <i>Pure and Applied Chemistry</i> , 2001, 73, 295-298.	1.9	5
60	Coupling of Alkynes on a Pd <sup>δ+</sup> Pd Bond to Generate an Electrophilic $\eta^4$ -Butenediylidene Moiety. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 537-540.	13.8	61
61	Synthesis and ligand substitution reactions of a homoleptic acetonitrile dipalladium(I) complex. <i>Chemical Communications</i> , 2000, , 1689-1690.	4.1	103
62	Synthesis and structure of 1,3-dienolate (CH <sub>2</sub> C(O)CH <sup>-</sup> ...CH <sub>2</sub> ) complex of dipalladium(I) moiety: contribution of $\pi$ -olefin co-ordination of enolate to transition metal. <i>Journal of Organometallic Chemistry</i> , 1999, 574, 142-147.	1.8	14
63	Organometallic Sandwich Chains Made of Conjugated Polyenes and Metal <sup>δ+</sup> -Metal Chains. <i>Journal of the American Chemical Society</i> , 1999, 121, 10660-10661.	13.7	107
64	Remarkably Wide Range of Bond Distance Adjustment of d <sup>9</sup> <sup>δ+</sup> -d <sup>9</sup> Pd <sup>δ+</sup> Pd Interactions to Change in Coordination Environment. <i>Journal of the American Chemical Society</i> , 1998, 120, 4536-4537.	13.7	65
65	Synthesis of a tripalladium cluster containing an $\eta^1$ : $\eta^2$ : $\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure. <i>Journal of Organometallic Chemistry</i> , 1997, 530, 187-189.	1.8	7
66	Rational synthesis of anionic, neutral and cationic palladium(I) dinuclear complexes containing bridging conjugated dienes. <i>Chemical Communications</i> , 1996, , 825.	4.1	32