

Nobuyuki Komine

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Silver(I)-Catalyzed Insertion of Carbene into Alkane C-H Bonds and the Origin of the Special Challenge of Methane Activation Using DFT as a Mechanistic Probe. <i>ACS Catalysis</i> , 2012, 2, 2066-2078.	11.2	61
2	Enantioselective carboxylation of $\hat{\pm}$ -methoxybenzyl lithium generated via asymmetric lithiation with a t-BuLi/chiral bis(oxazoline) complex. <i>Tetrahedron Letters</i> , 1999, 40, 6809-6812.	1.4	53
3	Planar Chiral Cyclic Ether: Asymmetric Resolution and Chirality Transformation. <i>Journal of the American Chemical Society</i> , 2005, 127, 12182-12183.	13.7	53
4	Enantioselective [2,3]-Wittig rearrangement induced by asymmetric lithiation with a t-butyllithium/chiral bis(oxazoline) system. <i>Tetrahedron Letters</i> , 1998, 39, 5513-5516.	1.4	50
5	Probing the Steric and Electronic Characteristics of a New Bis-Pyrrolide Pincer Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 1361-1369.	4.0	46
6	Enantioselective reactions of $\hat{\pm}$ -methoxybenzyl lithium generated by t-BuLi/chiral bis(oxazoline) complex with aldehydes. <i>Tetrahedron Letters</i> , 1999, 40, 6813-6816.	1.4	42
7	Isolation of <i>trans</i> -2,5-Bis(methoxycarbonyl)ruthenacyclopentane by Oxidative Coupling of Methyl Acrylate on Ruthenium(0) as an Active Intermediate for Tail-to-Tail Selective Catalytic Dimerization. <i>Organometallics</i> , 2009, 28, 4902-4905.	2.3	41
8	Enantioselective carbanion cyclization of 5-alkenyl carbamates induced by asymmetric lithiation with s-butyllithium/($\hat{\pm}$)-sparteine system. <i>Tetrahedron Letters</i> , 1998, 39, 9715-9718.	1.4	40
9	Markovnikov-Selective Hydrosilylation of Electron-Deficient Alkenes with Arylsilanes Catalyzed by Mono(phosphine)palladium(0). <i>Organometallics</i> , 2015, 34, 432-437.	2.3	38
10	Recent advances of achiral and chiral diene ligands in transition-metal catalyses. <i>Tetrahedron Letters</i> , 2019, 60, 150924.	1.4	38
11	Cyclization of enantio-enriched $\hat{\pm}$ -(homoallyloxy)alkyllithiums: Evidence for retention of configuration at the carbanion center. <i>Tetrahedron Letters</i> , 1997, 38, 8939-8942.	1.4	37
12	B $\hat{\pm}$ chner Reactions Catalyzed by a Silver(I) Pyridylpyrrolide: Understanding Arene C-C Insertion Selectivity. <i>Organometallics</i> , 2013, 32, 3185-3191.	2.3	33
13	Catalytic synthesis of thiobutyrolactones via CO insertion into the C-S bond of thietanes in the presence of a heterodinuclear organoplatinum-cobalt complex. <i>Chemical Communications</i> , 2003, , 2046-2047.	4.1	32
14	External chiral ligand-induced enantioselective versions of the [2,3]-Wittig sigmatropic rearrangement. , 2000, 12, 505-509.		31
15	Catalytic Tail-to-Tail Selective Dimerization of Methyl Methacrylate Promoted by a Ruthenium(0) Complex. <i>Organometallics</i> , 2010, 29, 3690-3693.	2.3	29
16	Regio- and Enantioselective Linear Cross-Dimerizations between Conjugated Dienes and Acrylates Catalyzed by New Ru(0) Complexes. <i>Organometallics</i> , 2014, 33, 6604-6613.	2.3	29
17	Selective Allylation of Arenethiols Using Water-soluble Palladium Complex Catalyst in Recyclable Water/Hexane Biphasic Media. <i>Chemistry Letters</i> , 2005, 34, 246-247.	1.3	28
18	Asymmetric Cross-Dimerization between Methyl Methacrylate and Substituted Alkene by Ru(0)-Bicyclononadiene Complex. <i>Organic Letters</i> , 2013, 15, 2486-2489.	4.6	28

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19	Enhanced C-C Bond Formation of Heterodinuclear Methylplatinum-Molybdenum Complexes Having a Hemilabile Ligand with Dialkyl Acetylenedicarboxylate. <i>Organometallics</i> , 2004, 23, 44-53.	2.3	23
20	Palladium-Assisted Regioselective Olefin Insertion into and β -Hydrogen Elimination of Hydrogen-Molybdenum and -Tungsten Bonds. Synthesis and Reactions of Heterodinuclear Hydrido Complexes of Palladium and Platinum with Molybdenum and Tungsten. <i>Organometallics</i> , 2006, 25, 311-314.	2.3	23
21	Synthesis and Reactions of Heterodinuclear Organoplatinum Complexes Having an Unsymmetrical PN Ligand. <i>Organometallics</i> , 2003, 22, 4238-4247.	2.3	22
22	Stoichiometric Regio- and Stereoselective Oxidative Coupling Reactions of Conjugated Dienes with Ruthenium(0). A Mechanistic Insight into the Origin of Selectivity. <i>Organometallics</i> , 2011, 30, 768-777.	2.3	22
23	Ru(0)-Catalyzed Direct Coupling of Internal Alkynes with Conjugated Dienes: An Efficient Access to Conjugated Trienes. <i>Organometallics</i> , 2016, 35, 4033-4043.	2.3	22
24	Oxidative Addition of Organocobalt(I) and -molybdenum(II) Complexes to Palladium(0) Complexes To Give Heterodinuclear Organometallic Complexes. <i>Organometallics</i> , 2000, 19, 5251-5253.	2.3	21
25	Copolymerization of Aziridines and Carbon Monoxide Catalyzed by a Heterodinuclear Organopalladium-Cobalt Complex. <i>Chemistry Letters</i> , 2004, 33, 858-859.	1.3	21
26	Stoichiometric and Catalytic sp^3 C-H/D ₂ Exchange Reactions of ortho-Substituted Benzenethiol and Phenols by a Ruthenium(II) Complex. Effect of a Chalcogen Anchor on the Bond Cleavage Reaction. <i>Organometallics</i> , 2005, 24, 4799-4809.	2.3	21
27	Ligand-Controlled Regiodivergent Hydrosilylation of Conjugated Dienes Catalyzed by Mono(phosphine)palladium(0) Complexes. <i>Organometallics</i> , 2020, 39, 4510-4524.	2.3	21
28	Dehydrogenative Formation of a (β -4-Enone)ruthenium(0) Complex as a Key Intermediate in the Catalytic Isomerization of Allylic Alcohol to Ketone. <i>Organometallics</i> , 2005, 24, 1059-1061.	2.3	20
29	Selective Isomerization of 2-Allylphenol to (Z)-2-Propenylphenol Catalyzed by Ru(cod)(cot)/PEt ₃ . <i>Chemistry Letters</i> , 1999, 28, 441-442.	1.3	19
30	Mechanistic insights into catalytic linear cross-dimerization between conjugated dienes and styrenes by a ruthenium(0) complex. <i>Journal of Organometallic Chemistry</i> , 2015, 797, 174-184.	1.8	19
31	Ligand Displacement Reaction of Ru(β -4-1,5-COD)(β -6-1,3,5-COT) with Lewis Bases. <i>Organometallics</i> , 2003, 22, 2378-2386.	2.3	18
32	Carbon-Hydrogen Bond Cleavage Reaction in Four-Coordinate (2,6-Dimethylbenzenethiolato)platinum(II) Complexes. Dramatic Acceleration by Thiolato Hydrogen Acceptor. <i>Organometallics</i> , 2011, 30, 5110-5122.	2.3	18
33	Synthesis of di-, tri-, tetra- and pentacyclic arene complexes of ruthenium(II): [Ru(β -6-polycyclic)] _n ETQq ₁ 1 0.784314 rgBT /Overlock 1071 <i>Chemistry</i> , 2007, 692, 2385-2394.	1.8	17
34	Carbon-Oxygen and Carbon-Hydrogen Bond Cleavage Reactions of ortho-Substituted Phenols by Ruthenium(II) Complexes. <i>Organometallics</i> , 2007, 26, 2005-2016.	2.3	16
35	Stoichiometric and Catalytic Cross Dimerization between Conjugated Dienes and Conjugated Carbonyls by a Ruthenium(0) Complex: Straightforward Access to Unsaturated Carbonyl Compounds by an Oxidative Coupling Mechanism. <i>Organometallics</i> , 2012, 31, 4006-4019.	2.3	16
36	Synthesis of conjugated diene complexes of ruthenium(0) derived from Ru(β -6-naphthalene)(β -4-1,5-COD): Z to E isomerisation of coordinated 1,3-pentadiene. <i>Journal of Organometallic Chemistry</i> , 2012, 708-709, 46-57.	1.8	16

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37	Stoichiometric C-H Bond Cleavage Reaction in a Bis(carboxylato)ruthenium(II) Complex and Its Application to the Catalytic H-D Exchange Reaction of Carboxylic Acids. <i>ChemCatChem</i> , 2013, 5, 1101-1115.	3.7	15
38	Synthesis and reactions of heterodinuclear organopalladium-cobalt complexes acting as copolymerization catalyst for aziridine and carbon monoxide. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 26-35.	1.8	14
39	Prostereogenic Face and Orientation Selective Oxidative Coupling Reaction between Methyl Methacrylate and 2,5-Dihydrofuran Catalyzed by a Ruthenium(0) Compound. <i>Organometallics</i> , 2011, 30, 1307-1310.	2.3	14
40	Alkene and Alkyne Insertion into Hydrogen-Transition Metal Bonds Catalyzed by Palladium(0) Complex. <i>Topics in Catalysis</i> , 2014, 57, 960-966.	2.8	13
41	La-Catalysed degradation of polyesters to monomers via transesterifications. <i>Chemical Communications</i> , 2022, 58, 8141-8144.	4.1	13
42	Visible Light Enhanced Selective Reductive Elimination of a Methylmanganese Complex from a Heterodinuclear Dimethylphenyl(4,4'-di-tert-butyl-2,2'-bipyridine)platinum-Pentacarbonylmanganese Complex. <i>Organometallics</i> , 2009, 28, 3608-3610.	2.3	12
43	Stoichiometric and Catalytic Cross Dimerization between Butadiene and Methyl Acrylate Promoted by a Ruthenium(0) Complex. <i>Organometallics</i> , 2010, 29, 5741-5743.	2.3	12
44	Stoichiometric Carbon-Carbon Bond Forming Reaction of 1,3-Diene with 1,2-Diene in a Ruthenium(0) Complex. <i>Organometallics</i> , 2012, 31, 4639-4642.	2.3	12
45	Mechanistic Insights on Pd/Cu-Catalyzed Dehydrogenative Coupling of Dimethyl Phthalate. <i>ACS Catalysis</i> , 2018, 8, 5827-5841.	11.2	12
46	Synthesis and H ₂ -Hydrogen Elimination of Water-Soluble Dialkylplatinum(II) Complexes in Water. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 183-188.	3.2	11
47	Direct Access to Fluorene by Successive C-O/C-H Bond Activations of 2-Phenylbenzyl Ester. <i>Organometallics</i> , 2014, 33, 1921-1924.	2.3	11
48	Catalytic cross-dimerisation giving reactive borylated polyenes toward cross-coupling. <i>Chemical Communications</i> , 2019, 55, 10527-10530.	4.1	11
49	Stereochemistry of Carbanion Reactions at sp ³ -Carbon.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1995, 53, 480-486.	0.1	10
50	Synthesis of Mono-, Di-, and Triruthenium(0) Complexes Having a Triphenylene Ligand. <i>Organometallics</i> , 2006, 25, 523-527.	2.3	10
51	Synthesis and structures of heterodinuclear organoplatinum(or -palladium)-molybdenum(or) tungsten complex having 1,2-bis(diphenylphosphino)ethane ligand. <i>Inorganica Chimica Acta</i> , 2006, 359, 3699-3708.	2.4	10
52	Carbon-Hydrogen Bond Cleavage Reaction in 5-Coordinate Bis(2,6-dimethylbenzenethiolato)ruthenium(II) Complexes. <i>Organometallics</i> , 2010, 29, 3146-3159.	2.3	10
53	Regioselectivity Control by Added MeCN in Ru(0)-catalyzed Cross-dimerization of Internal Alkynes with Methyl Methacrylate. <i>Chemistry Letters</i> , 2017, 46, 1040-1043.	1.3	10
54	Enhanced Reductive Elimination of Dialkylgold(III) Complexes in Water. <i>Chemistry Letters</i> , 2005, 34, 1704-1705.	1.3	9

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55	Acid-Promoted Hydrogen Migration in (2-Allylphenoxy)ruthenium(II) To Form an η^3 -Allyl Complex. <i>Organometallics</i> , 2008, 27, 3635-3638.	2.3	9
56	Ru(0)-Catalyzed C3-Selective Cross-Dimerization of 2,5-Dihydrofuran with Conjugated Dienes. <i>Organometallics</i> , 2016, 35, 1343-1346.	2.3	9
57	Preferential Bond Activation of $sp^3 C-H$ over $sp^2 C-H$ in η^2 -Unsaturated Carboxylic Acids by Ruthenium Complex. <i>Chemistry Letters</i> , 2001, 30, 1284-1285.	1.3	8
58	Synthesis, Structure, and Fluxional Behavior of η^1 -O-Enolatoiron(II) Complexes Derived from 1,3-Dicarbonyl Compounds. <i>Chemistry Letters</i> , 2005, 34, 498-499.	1.3	8
59	Synthesis and reactions of heterodinuclear organopalladium complex having an unsymmetrical PN ligand. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4486-4494.	1.8	8
60	Cross-dimerisation between different cisoid- and transoid-1,3-dienes at a ruthenium(0) centre. <i>New Journal of Chemistry</i> , 2013, 37, 3433.	2.8	8
61	New strategy for synthesising conjugated hexatrienylferrocenes via cross-dimerisation. <i>New Journal of Chemistry</i> , 2021, 45, 14988-14998.	2.8	8
62	Ru(0)-Catalyzed Synthesis of Borylated-Conjugated Triene Building Blocks by Cross-Dimerization and Their Use in Cross-Coupling Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2113-2132.	3.2	8
63	Synthesis of Heterodinuclear (Carbene)platinum (or palladium) Complex That Gives η^4 -Alkenyl-Type Complex by Deprotonation. <i>Organometallics</i> , 2009, 28, 5368-5381.	2.3	7
64	Reaction of an oxaruthenacycle with DMAD. Stoichiometric transformations of 2,6-xylenol to allylic phenols and benzopyrans via $sp^3 C-H$ bond cleavage reaction. <i>Dalton Transactions</i> , 2009, , 3270.	3.3	7
65	In Situ Routes to Catalytically Active Ru(0) Species by Reduction of Readily Available, Air-Stable Precursors. <i>Organometallics</i> , 2018, 37, 1092-1102.	2.3	7
66	η^3 -Selective Allyl Transfer Reaction in a η^4 - η^2 -Crotylplatinum \rightarrow Cobalt Complex. <i>Organometallics</i> , 2008, 27, 2145-2148.	2.3	6
67	Branch selective allylation of acetylacetone catalyzed by Water-soluble rhodium complex catalyst. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1927-1930.	1.8	6
68	Stereoselective thiirane desulfurization controlled by a bridging or terminal acyl ligand: Concerted vs. SN_2 pathways. <i>Journal of Organometallic Chemistry</i> , 2013, 739, 6-10.	1.8	6
69	Synthesis of and catalytic nitrile hydration by a cationic tris(η^4 -hydroxo)diruthenium(II) complex having PMe_3 ligands. <i>Polyhedron</i> , 2016, 120, 3-10.	2.2	6
70	E-Selective dimerization of phenylacetylene catalyzed by cationic tris(η^4 -hydroxo)diruthenium(II) complex and the mechanistic insight: The role of two ruthenium centers in catalysis. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 419-428.	4.8	6
71	Synthesis and Reactions of Water-soluble Diorganoplatinum(II) Complexes. <i>Chemistry Letters</i> , 2002, 31, 72-73.	1.3	5
72	Synthesis and organic group transfer of organodiplatinum complex with a 1,2-bis(diphenylphosphino)ethane ligand. <i>Canadian Journal of Chemistry</i> , 2009, 87, 176-182.	1.1	5

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73	Synthesis of and Catalytic Linear Cross-Dimerizations by an Electron-Deficient Cyclic Diene Complex of Ruthenium(0). <i>Organometallics</i> , 2018, 37, 4173-4176.	2.3	5
74	Mechanical Stirring Speed in Water/Hexane Biphasic Catalyst Controls Regioselectivity of Pd-catalyzed Allylation Reaction. <i>Chemistry Letters</i> , 2008, 37, 640-641.	1.3	4
75	Acid-Promoted $\text{sp}^3\text{-C-H}$ Bond Cleavage in a Series of (2-Allylphenoxo)ruthenium(II) Complexes. Mechanistic Insight into the Aryloxo -H Acid Interaction and Bond Cleavage Reaction. <i>Organometallics</i> , 2012, 31, 381-393.	2.3	4
76	Stoichiometric formation of conjugated dienyl ketones from 1,3-dienes and ketenes at a ruthenium(0) centre. <i>New Journal of Chemistry</i> , 2014, 38, 5052-5057.	2.8	4
77	Multiple C-H Bond Cleavage of the Alkyl Group in (2,6-Dialkylphenoxo)ruthenium(II) Complexes. <i>Organometallics</i> , 2014, 33, 1235-1244.	2.3	4
78	Selective Alkene Insertion into Inert Hydrogen -Metal Bonds Catalyzed by Mono(phosphorus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	2.3	4
79	Ru(0)-catalyzed C3-selective Coupling Reactions of Unsaturated 5-Membered Heterocycles with Methyl Methacrylate and Methacryl Amide. <i>Chemistry Letters</i> , 2017, 46, 1522-1524.	1.3	4
80	Dibenzo[<i>d,h</i>]benzo[2,1- <i>b</i> :3,4- <i>b'</i>] <i>difurans</i> with extended π -conjugated chains: synthetic approaches and properties. <i>New Journal of Chemistry</i> , 2022, 46, 1003-1017.	2.8	4
81	Cross-Dimerization of 2,5-Dihydrofuran with Conjugated Dienes Catalyzed by (Chiral) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 48 7	2.3	3
82	External chiral ligand -induced enantioselective versions of the [2,3] π -Wittig sigmatropic rearrangement. <i>Chirality</i> , 2000, 12, 505-509.	2.6	3
83	Ru(0)-Catalyzed Synthesis of Conjugated Iminotrienes and Subsequent Intramolecular Cyclization Giving Polysubstituted Pyrroles. <i>Organic Letters</i> , 2022, 24, 2973-2977.	4.6	3
84	Synthesis of heterodinuclear ruthenium -manganese complex having η^5 -benzylidene ligand. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 632-635.	1.8	2
85	Synthesis of heterodinuclear hydride complexes by oxidative addition of a transition-metal hydride to Pt(0) and Pd(0) complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 792, 194-205.	1.8	2
86	Selective Bond Cleavage Reactions by Low-valent Ruthenium Complexes.. Yuki Gosei Kagaku Kyokaishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2002, 60, 1148-1157.	0.1	1
87	Markovnikov-Selective Hydrometallation Catalyzed by Mono (phosphine) palladium (0) Complexes: Synthesis and Reactivity of Heterodinuclear Hydridopalladium Intermediate. Yuki Gosei Kagaku Kyokaishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2015, 73, 616-631.	0.1	1
88	Ru(0)-Catalyzed Regioselective Synthesis of Borylated-1,4- and -1,5-Diene Building Blocks. <i>Organometallics</i> , 2022, 41, 390-411.	2.3	1
89	Selective Bond Cleavage Reactions by Low-Valent Ruthenium Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0
90	Catalytic Synthesis of Thiobutyrolactones via CO Insertion into the C-S Bond of Thietanes in the Presence of a Heterodinuclear Organoplatinum -Cobalt Complex.. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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91	Selective Allylation of Arenethiols Using Water-Soluble Palladium Complex Catalyst in Recyclable Water/Hexane Biphasic Media.. ChemInform, 2005, 36, no.	0.0	0
92	Catalytic Linear Coupling Reactions of Substituted Alkenes and Dienes Promoted by a Ruthenium (0) Complex: Chemo-, Regio- and Diastereoselective Carbon-Carbon Bond Formation Reactions by an Oxidative Coupling Mechanism. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2012, 70, 1267-1280.	0.1	0