

# Nobuyuki Komine

## List of Publications by Year in descending order

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92  
papers

1,449  
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331670

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#	ARTICLE	IF	CITATIONS
1	Dibenzo[ <i>a,h</i> ]benzo[2,1- <i>b</i> :3,4- <i>b'</i> ]difurans with extended $\pi$ -conjugated chains: synthetic approaches and properties. <i>New Journal of Chemistry</i> , 2022, 46, 1003-1017.	2.8	4
2	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
3	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
4	La(III)-Catalyzed degradation of polyesters to monomers via transesterifications. <i>Chemical Communications</i> , 2022, 58, 8141-8144.	4.1	13
5	New strategy for synthesising conjugated hexatrienylferrocenes via cross-dimerisation. <i>New Journal of Chemistry</i> , 2021, 45, 14988-14998.	2.8	8
6	Cross-Dimerization of 2,5-Dihydrofuran with Conjugated Dienes Catalyzed by (Chiral) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Dien 3370-3388.	2.3	3
7	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
8	Ligand-Controlled Regiodivergent Hydrosilylation of Conjugated Dienes Catalyzed by Mono(phosphine)palladium(0) Complexes. <i>Organometallics</i> , 2020, 39, 4510-4524.	2.3	21
9	Catalytic cross-dimerisation giving reactive borylated polyenes toward cross-coupling. <i>Chemical Communications</i> , 2019, 55, 10527-10530.	4.1	11
10	Recent advances of achiral and chiral diene ligands in transition-metal catalyses. <i>Tetrahedron Letters</i> , 2019, 60, 150924.	1.4	38
11	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
12	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
13	Mechanistic Insights on Pd/Cu-Catalyzed Dehydrogenative Coupling of Dimethyl Phthalate. <i>ACS Catalysis</i> , 2018, 8, 5827-5841.	11.2	12
14	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
15	Selective Alkene Insertion into Inert Hydrogen-Metal Bonds Catalyzed by Mono(phosphorus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	4
16	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
17	E-Selective dimerization of phenylacetylene catalyzed by cationic tris( $\eta^5$ -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
18	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

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19	Synthesis of and catalytic nitrile hydration by a cationic tris( $\eta^4$ -hydroxo)diruthenium(II) complex having PMe <sub>3</sub> ligands. <i>Polyhedron</i> , 2016, 120, 3-10.	2.2	6
20	Ru(0)-Catalyzed C3-Selective Cross-Dimerization of 2,5-Dihydrofuran with Conjugated Dienes. <i>Organometallics</i> , 2016, 35, 1343-1346.	2.3	9
21	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
22	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
23	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
24	Markovnikov-Selective Hydrometallation Catalyzed by Mono (phosphine) palladium (0) Complexes: Synthesis and Reactivity of Heterodinuclear Hydridopalladium Intermediate. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2015, 73, 616-631.	0.1	1
25	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
26	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
27	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
28	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
29	Probing the Steric and Electronic Characteristics of a New Bis-Pyrrolide Pincer Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 1361-1369.	4.0	46
30	Multiple C-H Bond Cleavage of the Alkyl Group in (2,6-Dialkylphenoxy)ruthenium(II) Complexes. <i>Organometallics</i> , 2014, 33, 1235-1244.	2.3	4
31	Stereoselective thiirane desulfurization controlled by a bridging or terminal acyl ligand: Concerted vs. S <sub>N</sub> 2 pathways. <i>Journal of Organometallic Chemistry</i> , 2013, 739, 6-10.	1.8	6
32	Bäcklund Reactions Catalyzed by a Silver(I) Pyridylpyrrolide: Understanding Arene C-C Insertion Selectivity. <i>Organometallics</i> , 2013, 32, 3185-3191.	2.3	33
33	Asymmetric Cross-Dimerization between Methyl Methacrylate and Substituted Alkene by Ru(0)-Bicyclonadiene Complex. <i>Organic Letters</i> , 2013, 15, 2486-2489.	4.6	28
34	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
35	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
36	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

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37	Acid-Promoted $\text{sp}^3\text{-C-H}$ Bond Cleavage in a Series of (2-Allylphenoxy)ruthenium(II) Complexes. Mechanistic Insight into the Aryloxo $\text{-H}$ Acid Interaction and Bond Cleavage Reaction. <i>Organometallics</i> , 2012, 31, 381-393.	2.3	4
38	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
39	Silver(I)-Catalyzed Insertion of Carbene into Alkane $\text{C-H}$ 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
40	Synthesis of conjugated diene complexes of ruthenium(0) derived from Ru( $\eta$ -6-naphthalene)( $\eta$ -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
41	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 Kyokai/ <i>Journal of Synthetic Organic Chemistry</i> , 2012, 70, 1267-1280.	0.1	0
42	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
43	Carbon $\text{-H}$ 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
44	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
45	Synthesis of heterodinuclear ruthenium $\text{-manganese}$ complex having $\eta$ -4-benzylidene ligand. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 632-635.	1.8	2
46	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
47	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
48	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
49	Carbon $\text{-H}$ Hydrogen Bond Cleavage Reaction in 5-Coordinate Bis(2,6-dimethylbenzenethiolato)ruthenium(II) Complexes. <i>Organometallics</i> , 2010, 29, 3146-3159.	2.3	10
50	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
51	Synthesis of Heterodinuclear (Carbene)platinum (or palladium) Complex That Gives $\eta$ -4-Alkenyl-Type Complex by Deprotonation. <i>Organometallics</i> , 2009, 28, 5368-5381.	2.3	7
52	Visible Light Enhanced Selective Reductive Elimination of a Methylmanganese Complex from a Heterodinuclear Dimethylphenyl(4,4'-di-tert-butyl-2,2'-bipyridine)platinum $\text{-Pentacarbonylmanganese}$ Complex. <i>Organometallics</i> , 2009, 28, 3608-3610.	2.3	12
53	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
54	Reaction of an oxaruthenacycle with DMAD. Stoichiometric transformations of 2,6-xyleneol to allylic phenols and benzopyrans via $\text{sp}^3\text{-C-H}$ bond cleavage reaction. <i>Dalton Transactions</i> , 2009, , 3270.	3.3	7

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55	Selective Allyl Transfer Reaction in a $\eta^5$ -Crotlylplatinum <sup>II</sup> -Cobalt Complex. <i>Organometallics</i> , 2008, 27, 2145-2148.	2.3	6
56	Acid-Promoted Hydrogen Migration in (2-Allylphenoxo)ruthenium(II) To Form an $\eta^3$ -Allyl Complex. <i>Organometallics</i> , 2008, 27, 3635-3638.	2.3	9
57	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
58	Carbon <sup>II</sup> -Oxygen and Carbon <sup>II</sup> -Hydrogen Bond Cleavage Reactions of ortho-Substituted Phenols by Ruthenium(II) Complexes. <i>Organometallics</i> , 2007, 26, 2005-2016.	2.3	16
59	Synthesis and reactions of heterodinuclear organopalladium <sup>II</sup> -cobalt complexes acting as copolymerization catalyst for aziridine and carbon monoxide. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 26-35.	1.8	14
60	Synthesis of di-, tri-, tetra- and pentacyclic arene complexes of ruthenium(II): [Ru( $\eta^6$ -polycyclic)Tj ETQqO O O rgBT /Overlock 10 Tf 50 547 <i>Chemistry</i> , 2007, 692, 2385-2394.	1.8	17
61	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
62	Synthesis of Mono-, Di-, and Triruthenium(0) Complexes Having a Triphenylene Ligand. <i>Organometallics</i> , 2006, 25, 523-527.	2.3	10
63	Palladium-Assisted Regioselective Olefin Insertion into and $\eta^2$ -Hydrogen Elimination of Hydrogen <sup>II</sup> -Molybdenum and $\eta^2$ -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
64	Synthesis and structures of heterodinuclear organoplatinum(or -palladium) <sup>II</sup> -molybdenum(or) Tj ETQqO O O rgBT /Overlock 10 Tf 50 39 propionylplatinum <sup>II</sup> -tungsten complex having 1,2-bis(diphenylphosphino)ethane ligand. <i>Inorganica Chimica Acta</i> , 2006, 359, 3699-3708.	2.4	10
65	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
66	Synthesis, Structure, and Fluxional Behavior of $\eta^1$ -O-Enolatoiron(II) Complexes Derived from 1,3-Dicarbonyl Compounds. <i>Chemistry Letters</i> , 2005, 34, 498-499.	1.3	8
67	Enhanced Reductive Elimination of Dialkylgold(III) Complexes in Water. <i>Chemistry Letters</i> , 2005, 34, 1704-1705.	1.3	9
68	Selective Allylation of Arenethiols Using Water-Soluble Palladium Complex Catalyst in Recyclable Water/Hexane Biphasic Media.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
69	Dehydrogenative Formation of a $\eta^4$ -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
70	Planar Chiral Cyclic Ether: Asymmetric Resolution and Chirality Transformation. <i>Journal of the American Chemical Society</i> , 2005, 127, 12182-12183.	13.7	53
71	Stoichiometric and Catalytic sp <sup>3</sup> C-H/D <sub>2</sub> 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
72	Enhanced C <sup>II</sup> -C Bond Formation of Heterodinuclear Methylplatinum <sup>II</sup> -Molybdenum Complexes Having a Hemilabile Ligand with Dialkyl Acetylenedicarboxylate. <i>Organometallics</i> , 2004, 23, 44-53.	2.3	23

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73	Copolymerization of Aziridines and Carbon Monoxide Catalyzed by a Heterodinuclear Organopalladium-Cobalt Complex. <i>Chemistry Letters</i> , 2004, 33, 858-859.	1.3	21
74	Selective Bond Cleavage Reactions by Low-Valent Ruthenium Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0
75	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
76	Synthesis and Reactions of Heterodinuclear Organoplatinum Complexes Having an Unsymmetrical PN Ligand. <i>Organometallics</i> , 2003, 22, 4238-4247.	2.3	22
77	Ligand Displacement Reaction of Ru( $\eta$ -4-1,5-COD)( $\eta$ -6-1,3,5-COT) with Lewis Bases. <i>Organometallics</i> , 2003, 22, 2378-2386.	2.3	18
78	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
79	Synthesis and $\beta$ -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
80	Synthesis and Reactions of Water-soluble Diorganoplatinum(II) Complexes. <i>Chemistry Letters</i> , 2002, 31, 72-73.	1.3	5
81	Selective Bond Cleavage Reactions by Low-valent Ruthenium Complexes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2002, 60, 1148-1157.	0.1	1
82	Preferential Bond Activation of $sp^3$ -C-H over $sp^2$ -C-H in $\alpha,\beta$ -Unsaturated Carboxylic Acids by Ruthenium Complex. <i>Chemistry Letters</i> , 2001, 30, 1284-1285.	1.3	8
83	External chiral ligand-induced enantioselective versions of the [2,3]-Wittig sigmatropic rearrangement. , 2000, 12, 505-509.		31
84	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
85	External chiral ligand-induced enantioselective versions of the [2,3]-Wittig sigmatropic rearrangement. <i>Chirality</i> , 2000, 12, 505-509.	2.6	3
86	Enantioselective carboxylation of $\beta$ -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
87	Enantioselective reactions of $\beta$ -methoxybenzyl lithium generated by t-BuLi/chiral bis(oxazoline) complex with aldehydes. <i>Tetrahedron Letters</i> , 1999, 40, 6813-6816.	1.4	42
88	Selective Isomerization of 2-Allylphenol to (Z)-2-Propenylphenol Catalyzed by Ru(cod)(cot)/PEt <sub>3</sub> . <i>Chemistry Letters</i> , 1999, 28, 441-442.	1.3	19
89	Enantioselective [2,3]-Wittig rearrangement induced by asymmetric lithiation with a t-butyl lithium/chiral bis(oxazoline) system. <i>Tetrahedron Letters</i> , 1998, 39, 5513-5516.	1.4	50
90	Enantioselective carbanion cyclization of 5-alkenyl carbamates induced by asymmetric lithiation with s-butyllithium/( $\beta$ )-sparteine system. <i>Tetrahedron Letters</i> , 1998, 39, 9715-9718.	1.4	40

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91	Cyclization of enantio-enriched $\hat{I}_{\pm}$ -(homoallyloxy)alkyllithiums: Evidence for retention of configuration at the carbanion center. Tetrahedron Letters, 1997, 38, 8939-8942.	1.4	37
92	Stereochemistry of Carbanion Reactions at $sp^3$ -Carbon.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1995, 53, 480-486.	0.1	10