

Nobuaki Kambe

List of Publications by Citations

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81
papers

1,665
citations

23
h-index

38
g-index

87
ext. papers

1,957
ext. citations

5.6
avg, IF

4.72
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 81 | Pd-catalyzed cross-coupling reactions of alkyl halides. <i>Chemical Society Reviews</i> , 2011 , 40, 4937-47 | 58.5 | 325 |
| 80 | Lithium-Tellurium Exchange: A New Entry to Organolithium Compounds. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 1187-1188 | | 97 |
| 79 | The palladium-catalyzed intermolecular C-H chalcogenation of arenes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 367-74 | 4.2 | 87 |
| 78 | Regioselective Double Alkylation of Styrenes with Alkyl Halides Using a Titanocene Catalyst. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11822-11823 | 16.4 | 72 |
| 77 | Ni-Catalyzed C-C Couplings Using Alkyl Electrophiles. <i>Topics in Current Chemistry</i> , 2016 , 374, 66 | 7.2 | 67 |
| 76 | Nickel-Catalyzed Regioselective Three Component Coupling Reaction of Alkyl Halides, Butadienes, and Ar-M (M=MgX, ZnX). <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 905-908 | 5.6 | 57 |
| 75 | Zirconocene-Catalyzed Silylation of Alkenes with Chlorosilanes. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2653-2656 | 16.4 | 47 |
| 74 | Copper-mediated thiolation of carbazole derivatives and related N-heterocycle compounds. <i>RSC Advances</i> , 2015 , 5, 39358-39365 | 3.7 | 39 |
| 73 | Intramolecular Homolytic Substitution Behavior of Acyl Radicals at Sulfur: New Carbonylative Access to α -Thiolactones. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7550-7551 | 4.2 | 36 |
| 72 | Copper-Catalyzed Regioselective Hydroalkylation of 1,3-Dienes with Alkyl Fluorides and Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9347-50 | 16.4 | 35 |
| 71 | Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5550-4 | 16.4 | 34 |
| 70 | Intramolecular, Site-Selective, Iodine-Mediated, Amination of Unactivated (sp) ³ C-H Bonds for the Synthesis of Indoline Derivatives. <i>Organic Letters</i> , 2017 , 19, 2793-2796 | 6.2 | 32 |
| 69 | Nickel-catalyzed coupling reaction of alkyl halides with aryl Grignard reagents in the presence of 1,3-butadiene: mechanistic studies of four-component coupling and competing cross-coupling reactions. <i>Chemical Science</i> , 2018 , 9, 2195-2211 | 9.4 | 31 |
| 68 | Multicomponent Coupling Reaction of Perfluoroarenes with 1,3-Butadiene and Aryl Grignard Reagents Promoted by an Anionic Ni(II) Complex. <i>Organic Letters</i> , 2016 , 18, 4868-4871 | 6.2 | 30 |
| 67 | Fe-Catalyzed Cross-Coupling Reaction of Vinylic Ethers with Aryl Grignard Reagents. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2834-2837 | 4.5 | 30 |
| 66 | Carbon-carbon bond-forming reactions using alkyl fluorides. <i>Pure and Applied Chemistry</i> , 2008 , 80, 941-951 | 95.1 | 28 |
| 65 | A new reduction system by the combination of lanthanoid metals (Ln) and LnI ₂ : Deoxygenative coupling of amides to vic-diaminoalkenes. <i>Applied Organometallic Chemistry</i> , 1995 , 9, 461-466 | 3.1 | 28 |

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|----|--|------|----|
| 64 | Carbamoyllithiums. A Novel Method for Generation by Lithium-Tellurium Exchange Reaction. <i>Synthetic Communications</i> , 1990 , 20, 703-711 | 1.7 | 27 |
| 63 | Novel Nickel-Catalyzed Coupling Reaction of Allyl Ethers with Chlorosilanes, Alkyl Tosylates, or Alkyl Halides Promoted by Vinyl-Grignard Reagent Leading to Allylsilanes or Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 1674-1678 | 5.6 | 24 |
| 62 | Transition-metal-catalyzed cleavage of carbon-selenium bond and addition to alkynes and allenes. <i>Pure and Applied Chemistry</i> , 2010 , 82, 565-575 | 2.1 | 23 |
| 61 | Silver-catalyzed regioselective carbomagnesiation of alkynes with alkyl halides and Grignard reagents. <i>Organic Letters</i> , 2011 , 13, 4656-9 | 6.2 | 23 |
| 60 | Formation of 1,4-disilyl-2-butenes from vinyl grignard reagent and chlorosilanes catalyzed by a titanocene complex. <i>Organic Letters</i> , 2001 , 3, 1733-5 | 6.2 | 23 |
| 59 | Selenium-Catalyzed Synthesis of S-Alkyl Thiocarbamates from Amines, Carbon Monoxide, Sulfur, and Alkyl Halides. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 452-453 | | 23 |
| 58 | Co-Catalyzed Cross-Coupling Reaction of Alkyl Fluorides with Alkyl Grignard Reagents. <i>Organic Letters</i> , 2017 , 19, 3691-3694 | 6.2 | 22 |
| 57 | The Cobalt-Catalyzed Cross-Coupling Reaction of Alkyl Halides with Alkyl Grignard Reagents: A New Route to Constructing Quaternary Carbon Centers. <i>Synthesis</i> , 2014 , 46, 1583-1592 | 2.9 | 22 |
| 56 | Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6672-3.9 | 3.9 | 21 |
| 55 | Cu-Catalyzed Cross-Dehydrogenative Coupling of Heteroaryl C(sp)-H and Tertiary C(sp)-H Bonds for the Construction of All-Carbon Triaryl Quaternary Centers. <i>Organic Letters</i> , 2019 , 21, 5152-5156 | 6.2 | 19 |
| 54 | Imidoylation of acidic hydrocarbons with selenium and isocyanides: A new synthetic method for preparation of selenoimidates. <i>Journal of Organic Chemistry</i> , 2000 , 65, 5022-5 | 4.2 | 18 |
| 53 | Carbon Monoxide/Water as a Reducing Agent: Formation of Selane from Selenium. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19, 308-309 | | 18 |
| 52 | Generation of carbamoyl- and thiocarbamoyllithium synthons having a hydrogen(s) or an aryl group on the nitrogen and their trapping with carbonyl electrophiles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12650-1 | 16.4 | 17 |
| 51 | Organometallics Using Organosulfur Compounds: Exchange of Information between Catalytic and Stoichiometric Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009 , 67, 701-713 | 0.2 | 16 |
| 50 | Lithio Ketone Enolates: Generation and Reactions with Electrophiles. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 177-179 | | 15 |
| 49 | Carbotelluration of Phenylacetylene. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1992 , 67, 243-246 | 1 | 15 |
| 48 | A novel oxygen induced reduction of β,β -unsaturated carbonyl compounds by benzeneselenol. <i>Journal of Physical Organic Chemistry</i> , 1988 , 1, 115-117 | 2.1 | 15 |
| 47 | Ni-Catalyzed Dimerization and Hydroperfluoroarylation of 1,3-Dienes. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9267-9277 | 4.2 | 13 |

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| 46 | Theoretical study on structures and internal rotations of methyl N,N-dimethylcarbamate and its sulphur, selenium, and tellurium homologues (Me ₂ NC(O)YMe, Y = O,S,Se, Te). <i>Journal of Physical Organic Chemistry</i> , 1996 , 9, 179-186 | 2.1 | 13 |
| 45 | Photoreduction of Ketones and Aldehydes to Alcohols with Hydrogen Selenide. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19, 1008-1009 | | 13 |
| 44 | Palladium-Catalyzed Intramolecular Selenocarbonylation of Allenes with Carbamoselenoates: A New Entry to β -Unsaturated Lactams. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 3141-3144 | 3.2 | 12 |
| 43 | A mechanistic study of the selenium-catalysed carbonylation of secondary amines with carbon monoxide. <i>Journal of Physical Organic Chemistry</i> , 1989 , 2, 359-362 | 2.1 | 12 |
| 42 | Nickel-Catalyzed Remote C4-H Arylation of 8-Aminoquinolines. <i>Organic Letters</i> , 2019 , 21, 6785-6789 | 6.2 | 11 |
| 41 | Zirconocen-katalysierte Silylierung von Alkenen mit Chlorsilanen. <i>Angewandte Chemie</i> , 1998 , 110, 2798-2801 | | 11 |
| 40 | Carbon-Carbon Bond Formation of Trifluoroacetyl Amides with Grignard Reagents via C(O)-CF Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5635-5644 | 4.2 | 10 |
| 39 | A NEW SYNTHESIS OF HETEROCYCLES VIA CARBONYLATION OF AMINES WITH CARBON MONOXIDE IN THE PRESENCE OF SELENIUM. <i>Phosphorous and Sulfur and the Related Elements</i> , 1988 , 38, 137-148 | | 10 |
| 38 | Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14817-14825 | 4.8 | 9 |
| 37 | Oxygen induced reduction: Reaction of benzeneselenol with aromatic aldehydes in the presence of oxygen. <i>Journal of Physical Organic Chemistry</i> , 1988 , 1, 119-121 | 2.1 | 9 |
| 36 | Palladium-catalyzed Insertion Reactions of Isocyanides into Thiocarbamates and Selenocarbamates. <i>Chemistry Letters</i> , 2015 , 44, 465-467 | 1.7 | 8 |
| 35 | σ -Bond Metathesis between M \bar{X} and RC(O)X? (M = Pt, Pd; X, X? = Cl, Br, I): Facile Determination of the Relative σ Values of the Oxidative Additions of RC(O)X to an M(0) Complex, Evidence by Density Functional Theory Calculations, and Synthetic Applications. <i>Organometallics</i> , 2013 , 32, 2026-2032 | 3.8 | 8 |
| 34 | Synthesis of Te-alkyl carbamotelluroates from tellurium, carbon monoxide, amines, and alkyl halides. <i>Heteroatom Chemistry</i> , 1993 , 4, 471-474 | 1.2 | 8 |
| 33 | CATALYTIC OXIDATION OF OLEFINS USING DIPHENYL DITELLURIDE. <i>Phosphorous and Sulfur and the Related Elements</i> , 1988 , 38, 167-175 | | 8 |
| 32 | Synthesis of Highly Insulated Molecular Wires by Polymerization of Organic-Soluble Symmetrical Linked Inclusion Complex Monomers. <i>Macromolecular Symposia</i> , 2010 , 297, 54-60 | 0.8 | 7 |
| 31 | Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3104-3114 | 16.4 | 7 |
| 30 | Photocatalyst-free Synthesis of Indazolones under CO Atmosphere. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1436-1442 | 4.5 | 6 |
| 29 | Relative rates, relative activation parameters and substituent effects of lithium β -metalloid exchange reactions. <i>Journal of Physical Organic Chemistry</i> , 1996 , 9, 29-34 | 2.1 | 6 |

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|----|--|-----|---|
| 28 | Synthesis of Triarylmethanes by Decarbonylation of 3,3-Diaryl Benzofuranones. <i>Journal of Organic Chemistry</i> , 2020 , 85, 5300-5311 | 4.2 | 5 |
| 27 | Carbonylation of Lithium Enolates of Esters and Amides with Carbon Monoxide and Selenium. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005 , 180, 1001-1005 | 1 | 5 |
| 26 | Reduction of Aromatic Nitro, Nitroso, Hydroxylamino, Azo, and Azoxy Compounds with Hydrogen Telluride from Aluminum Telluride and Water. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19, 1009-1010 | | 5 |
| 25 | Copper-Catalyzed Amination of C(sp)-H bonds: From Anilides to Indolines. <i>Journal of Organic Chemistry</i> , 2020 , 85, 482-492 | 4.2 | 5 |
| 24 | Effect of Alkyl Groups in Pyrene Chromophore on the Mechanical Response of Pyrene-Octafluoronaphthalene Co-Crystals. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1349-1354 | 4.5 | 4 |
| 23 | Tellur-katalysierte Reaktion von Aminen mit Kohlenmonoxid. <i>Angewandte Chemie</i> , 1979 , 91, 582-582 | 3.6 | 4 |
| 22 | Nickel-Catalyzed α -Diarylation of 8-Aminoquinoline with Large Steric Aryl Bromides and Fluorescence of Products. <i>Organic Letters</i> , 2021 , 23, 2514-2520 | 6.2 | 4 |
| 21 | UV-Light-Induced N-Acylation of Amines with β -Diketones. <i>Organic Letters</i> , 2021 , 23, 5329-5333 | 6.2 | 4 |
| 20 | Alkyl Sulfides as Promising Sulfur Sources: Metal-Free Synthesis of Aryl Alkyl Sulfides and Dialkyl Sulfides by Transalkylation of Simple Sulfides with Alkyl Halides. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3833-3837 | 4.5 | 4 |
| 19 | Structure of the Complex Ni(C ₈ H ₁₂)(L) and Its Reactivity toward Organometallic Reagents. <i>Organometallics</i> , 2019 , 38, 2701-2704 | 3.8 | 3 |
| 18 | Facile Method of Halogen Exchange between Au(Cl)(L) and MeC(O)X (L = PPh ₃ and IPr; X = Br and I) via σ -Bond Metathesis Supported by DFT Calculation. <i>Chemistry Letters</i> , 2013 , 42, 831-832 | 1.7 | 3 |
| 17 | Transition Metal Catalyzed Alkylation at sp ³ -, sp ² -, and sp-Carbons. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011 , 69, 1271-1281 | 0.2 | 3 |
| 16 | Synthesis of and Structural Insights into Contact Ion Pair and Solvent-Separated Ion Pair Diphenyliridate Complexes. <i>Organometallics</i> , 2020 , 39, 3077-3081 | 3.8 | 3 |
| 15 | Photo-Induced N-N Coupling of α -Nitrobenzyl Alcohols and Indolines To Give α -Aryl-1-amino Indoles. <i>Organic Letters</i> , 2021 , 23, 6417-6422 | 6.2 | 3 |
| 14 | Synthesis of Cyclopropane Fatty Acids by C(sp ³) α C(sp ³) Cross-Coupling Reaction and Formal Synthesis of β -Mycolic Acid. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 3810-3817 | 5.6 | 2 |
| 13 | Palladium-Catalyzed Decarbonylative Rearrangement of α -Allenyl Seleno- and Tellurocarbamates. <i>Heteroatom Chemistry</i> , 2014 , 25, 518-524 | 1.2 | 2 |
| 12 | Tellurium-Catalyzed Reaction of Amines with Carbon Monoxide. <i>Angewandte Chemie International Edition in English</i> , 1979 , 18, 547-548 | | 2 |
| 11 | Pd-Catalyzed Cross-Coupling of Organostibines with Styrenes to Give Unsymmetric (α)-Stilbenes and (1,3)-1,4-Diarylbuta-1,3-dienes and Fluorescence Properties of the Products. <i>Organic Letters</i> , 2021 , 23, 5317-5322 | 6.2 | 2 |

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| 10 | Synthesis of thiol esters by the use of carbonyl sulfide as a thiocarboxylation agent. <i>Journal of Sulfur Chemistry</i> , 2009 , 30, 264-269 | 2.3 | 1 |
| 9 | Water Gas Shift Reaction with the Aid of Selenium/Platinum Catalyst. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19, 1007-1007 | | 1 |
| 8 | Bio-inspired asymmetric aldehyde arylations catalyzed by rhodium-cyclodextrin self-inclusion complexes. <i>Organic and Biomolecular Chemistry</i> , 2021 , | 3.9 | 1 |
| 7 | Selective formation of trichloro(2-oxoalkyl)telluriums and dichlorobis(2-oxoalkyl)telluriums from tellurium tetrachloride and enol silyl ethers. <i>Heteroatom Chemistry</i> , 1993 , 4, 229-234 | 1.2 | 0 |
| 6 | Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. <i>Angewandte Chemie</i> , 2021 , 133, 3141-3151 | 3.6 | 0 |
| 5 | A pH-Dependent rhodamine fluorophore with antiproliferative activity of bladder cancer in Vitro/Vivo and apoptosis mechanism.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 236, 114293 | 6.8 | 0 |
| 4 | FeO(OH)@C-Catalyzed Selective Hydrazine Substitution of p-Nitro-Aryl Fluorides and their Application for the Synthesis of Phthalazinones.. <i>ChemistryOpen</i> , 2022 , 11, e202200023 | 2.3 | 0 |
| 3 | Regioselectivity of Selenium-Mediated Carbonylation of Organolithium Compounds with Carbon Monoxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010 , 185, 1117-1123 | 1 | |
| 2 | Cross-Coupling Reactions 2005 , 127-153 | | |
| 1 | Reduction of Carbonyl Compounds by Aluminum Telluride and H ₂ O or D ₂ O. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19, 1009-1009 | | |