

Nobuaki Kambe

List of Publications by Year in descending order

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85
papers

2,182
citations

236925

25
h-index

254184

43
g-index

87
all docs

87
docs citations

87
times ranked

1881
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pd-catalyzed cross-coupling reactions of alkyl halides. <i>Chemical Society Reviews</i> , 2011, 40, 4937. | 38.1 | 393 |
| 2 | Lithium-Tellurium Exchange: A New Entry to Organolithium Compounds. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 1187-1188. | 4.4 | 118 |
| 3 | The Palladium-Catalyzed Intermolecular C-H Chalcogenation of Arenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 367-374. | 3.2 | 112 |
| 4 | Regioselective Double Alkylation of Styrenes with Alkyl Halides Using a Titanocene Catalyst. <i>Journal of the American Chemical Society</i> , 1998, 120, 11822-11823. | 13.7 | 90 |
| 5 | Ni-Catalyzed C-C Couplings Using Alkyl Electrophiles. <i>Topics in Current Chemistry</i> , 2016, 374, 66. | 5.8 | 83 |
| 6 | 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. | 4.3 | 63 |
| 7 | Zirconocene-Catalyzed Silylation of Alkenes with Chlorosilanes. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2653-2656. | 13.8 | 60 |
| 8 | Copper-mediated thiolation of carbazole derivatives and related N-heterocycle compounds. <i>RSC Advances</i> , 2015, 5, 39358-39365. | 3.6 | 52 |
| 9 | Intramolecular Homolytic Substitution Behavior of Acyl Radicals at Sulfur: A New Carbonylative Access to β -Thiolactones. <i>Journal of Organic Chemistry</i> , 1997, 62, 7550-7551. | 3.2 | 49 |
| 10 | Copper-Catalyzed Regioselective Hydroalkylation of 1,3-Dienes with Alkyl Fluorides and Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9347-9350. | 13.8 | 45 |
| 11 | Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5550-5554. | 13.8 | 45 |
| 12 | 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. | 7.4 | 45 |
| 13 | 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. | 3.5 | 44 |
| 14 | Carbamoyllithiums. A Novel Method for Generation by Lithium-Tellurium Exchange Reaction. <i>Synthetic Communications</i> , 1990, 20, 703-711. | 2.1 | 38 |
| 15 | 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. | 4.6 | 38 |
| 16 | Fe-Catalyzed Cross-Coupling Reaction of Vinylic Ethers with Aryl Grignard Reagents. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2834-2837. | 3.3 | 38 |
| 17 | Intramolecular, Site-Selective, Iodine-Mediated, Amination of Unactivated C ³ -H Bonds for the Synthesis of Indoline Derivatives. <i>Organic Letters</i> , 2017, 19, 2793-2796. | 4.6 | 37 |
| 18 | Cu-Catalyzed Cross-Dehydrogenative Coupling of Heteroaryl C ² -H and Tertiary C ³ -H Bonds for the Construction of All-Carbon Triaryl Quaternary Centers. <i>Organic Letters</i> , 2019, 21, 5152-5156. | 4.6 | 35 |

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|----|---|------|-----------|
| 19 | Carbon-carbon bond-forming reactions using alkyl fluorides. <i>Pure and Applied Chemistry</i> , 2008, 80, 941-951. | 1.9 | 32 |
| 20 | Co-Catalyzed Cross-Coupling Reaction of Alkyl Fluorides with Alkyl Grignard Reagents. <i>Organic Letters</i> , 2017, 19, 3691-3694. | 4.6 | 32 |
| 21 | Formation of 1,4-Disilyl-2-butenes from Vinyl Grignard Reagent and Chlorosilanes Catalyzed by a Titanocene Complex. <i>Organic Letters</i> , 2001, 3, 1733-1735. | 4.6 | 31 |
| 22 | Silver-Catalyzed Regioselective Carbomagnesiation of Alkynes with Alkyl Halides and Grignard Reagents. <i>Organic Letters</i> , 2011, 13, 4656-4659. | 4.6 | 30 |
| 23 | 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. | 4.4 | 28 |
| 24 | 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, 12650-12651. | 13.7 | 27 |
| 25 | 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. | 2.3 | 27 |
| 26 | Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6672-6675. | 2.8 | 27 |
| 27 | 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. | 4.3 | 26 |
| 28 | Transition-metal-catalyzed cleavage of carbon-selenium bond and addition to alkynes and allenes. <i>Pure and Applied Chemistry</i> , 2010, 82, 565-575. | 1.9 | 26 |
| 29 | Carbon Monoxide/Water as a Reducing Agent: Formation of Selane from Selenium. <i>Angewandte Chemie International Edition in English</i> , 1980, 19, 308-309. | 4.4 | 23 |
| 30 | β -Lithio Ketone Enolates: Generation and Reactions with Electrophiles. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 177-179. | 4.4 | 22 |
| 31 | Ni-Catalyzed Dimerization and Hydroperfluoroarylation of 1,3-Dienes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9267-9277. | 3.2 | 22 |
| 32 | Imidoylation of Acidic Hydrocarbons with Selenium and Isocyanides: A New Synthetic Method for Preparation of Selenoimidates. <i>Journal of Organic Chemistry</i> , 2000, 65, 5022-5025. | 3.2 | 21 |
| 33 | Carbotelluration of Phenylacetylene. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1992, 67, 243-246. | 1.6 | 19 |
| 34 | Photoreduction of Ketones and Aldehydes to Alcohols with Hydrogen Selenide. <i>Angewandte Chemie International Edition in English</i> , 1980, 19, 1008-1009. | 4.4 | 18 |
| 35 | Nickel-Catalyzed Remote C-H Arylation of 8-Aminoquinolines. <i>Organic Letters</i> , 2019, 21, 6785-6789. | 4.6 | 18 |
| 36 | A novel oxygen induced reduction of α,β -unsaturated carbonyl compounds by benzeneselenol. <i>Journal of Physical Organic Chemistry</i> , 1988, 1, 115-117. | 1.9 | 17 |

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|----|--|------|-----------|
| 37 | Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , 2019, 25, 14817-14825. | 3.3 | 17 |
| 38 | 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. | 0.1 | 17 |
| 39 | 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. | 1.9 | 14 |
| 40 | Palladium-Catalyzed Intramolecular Selenocarbonylation of Allenes with Carbamoselenoates: A New Entry to β,γ -Unsaturated Lactams. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3141-3144. | 2.4 | 14 |
| 41 | Carbon-Carbon Bond Formation of Trifluoroacetyl Amides with Grignard Reagents via C(O)-CF ₃ Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2019, 84, 5635-5644. | 3.2 | 14 |
| 42 | Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3104-3114. | 13.8 | 14 |
| 43 | Pd-Catalyzed Cross-Coupling of Organostibines with Styrenes to Give Unsymmetric (<i>E</i>)-Stilbenes and (<i>E</i> , <i>E</i>)-1,4-Diarylbuta-1,3-dienes and Fluorescence Properties of the Products. <i>Organic Letters</i> , 2021, 23, 5317-5322. | 4.6 | 14 |
| 44 | Theoretical study on structures and internal rotations of methyl <i>N,N</i> -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. | 1.9 | 13 |
| 45 | Synthesis of Triarylmethanes by Decarbonylation of 3,3-Diaryl Benzofuranones. <i>Journal of Organic Chemistry</i> , 2020, 85, 5300-5311. | 3.2 | 13 |
| 46 | Photocatalyst-free Synthesis of Indazolones under CO ₂ Atmosphere. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1436-1442. | 3.3 | 12 |
| 47 | 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. | 0.2 | 11 |
| 48 | Synthesis of Te-alkyl carbamotelluroates from tellurium, carbon monoxide, amines, and alkyl halides. <i>Heteroatom Chemistry</i> , 1993, 4, 471-474. | 0.7 | 11 |
| 49 | Copper-Catalyzed Amination of C(sp ³)-H bonds: From Anilides to Indolines. <i>Journal of Organic Chemistry</i> , 2020, 85, 482-492. | 3.2 | 11 |
| 50 | 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. | 1.9 | 10 |
| 51 | UV-Light-Induced N-Acylation of Amines with β,γ -Diketones. <i>Organic Letters</i> , 2021, 23, 5329-5333. | 4.6 | 10 |
| 52 | CATALYTIC OXIDATION OF OLEFINS USING DIPHENYL DITELLURIDE. <i>Phosphorous and Sulfur and the Related Elements</i> , 1988, 38, 167-175. | 0.2 | 9 |
| 53 | Palladium-catalyzed Insertion Reactions of Isocyanides into Thiocarbamates and Selenocarbamates. <i>Chemistry Letters</i> , 2015, 44, 465-467. | 1.3 | 9 |
| 54 | σ -Bond Metathesis between M-X and RC(O)X ² (M = Pt, Pd; X, X ² = 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. | 2.3 | 8 |

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|----|---|-----|-----------|
| 55 | Nickel-Catalyzed N,N-Diarylation of 8-Aminoquinoline with Large Steric Aryl Bromides and Fluorescence of Products. <i>Organic Letters</i> , 2021, 23, 2514-2520. | 4.6 | 8 |
| 56 | Synthesis of Highly Insulated Molecular Wires by Polymerization of Organic-Soluble Symmetrical Linked Inclusion Complex Monomers. <i>Macromolecular Symposia</i> , 2010, 297, 54-60. | 0.7 | 7 |
| 57 | Relative rates, relative activation parameters and substituent effects of lithium-metalloid exchange reactions. <i>Journal of Physical Organic Chemistry</i> , 1996, 9, 29-34. | 1.9 | 6 |
| 58 | Carbonylation of Lithium Enolates of Esters and Amides with Carbon Monoxide and Selenium. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1001-1005. | 1.6 | 6 |
| 59 | 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. | 3.3 | 6 |
| 60 | 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. | 3.3 | 6 |
| 61 | Cu-Catalyzed Dual C=O Bonds Cleavage of Cyclic Ethers with Carboxylic Acids, NaI, and TMSCF ₃ to Give Iodoalkyl Ester. <i>Organic Letters</i> , 2022, 24, 2826-2831. | 4.6 | 6 |
| 62 | Structure of the Complex Ni(C ₈ H ₁₂)(L) and Its Reactivity toward Organometallic Reagents. <i>Organometallics</i> , 2019, 38, 2701-2704. | 2.3 | 5 |
| 63 | Photo-Induced N=N Coupling of <i>o</i> -Nitrobenzyl Alcohols and Indolines To Give <i>N</i> -Aryl-1-amino Indoles. <i>Organic Letters</i> , 2021, 23, 6417-6422. | 4.6 | 5 |
| 64 | 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. | 0.1 | 4 |
| 65 | Palladium-Catalyzed Decarbonylative Rearrangement of <i>N</i> -Allenyl Seleno- and Tellurocarbamates. <i>Heteroatom Chemistry</i> , 2014, 25, 518-524. | 0.7 | 4 |
| 66 | Synthesis of Cyclopropane Fatty Acids by C(sp ³) ³ -C(sp ³) ³ Cross-Coupling Reaction and Formal Synthesis of <i>l</i> -Mycolic Acid. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3810-3817. | 4.3 | 4 |
| 67 | Synthesis of and Structural Insights into Contact Ion Pair and Solvent-Separated Ion Pair Diphenyliridate Complexes. <i>Organometallics</i> , 2020, 39, 3077-3081. | 2.3 | 4 |
| 68 | 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. | 5.5 | 4 |
| 69 | Cu(I)-Catalyzed C-H Alkenylation of Tertiary C(sp ³) ³ -H Bonds of 3-Aryl Benzofuran-2(3H)-ones to Give <i>Z</i> - and <i>E</i> -Styrene Containing Quaternary Carbon Centers with 99/1 Regioselectivity. <i>Journal of Organic Chemistry</i> , 2022, 87, 6064-6074. | 3.2 | 4 |
| 70 | Copper-Catalyzed Regioselective Olefination and Trifluoromethylation of Carboxylic Acids To Give (<i>Z</i>)-Trifluoromethyl Enol Esters. <i>Organic Letters</i> , 2022, 24, 5197-5202. | 4.6 | 4 |
| 71 | Tellurium-Catalyzed Reaction of Amines with Carbon Monoxide. <i>Angewandte Chemie International Edition in English</i> , 1979, 18, 547-548. | 4.4 | 3 |
| 72 | Water Gas Shift Reaction with the Aid of Selenium/Platinum Catalyst. <i>Angewandte Chemie International Edition in English</i> , 1980, 19, 1007-1007. | 4.4 | 3 |

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|----|--|------|-----------|
| 73 | Facile Method of Halogen Exchange between Au(Cl)(PPh ₃) ₃ and MeC(O)X (X = PPh ₃ and) Tj ETQq1 1 0.784314 rgBT 1.3 3 | 1.3 | 3 |
| 74 | FeO(OH)-Catalyzed Selective Hydrazine Substitution of p-Nitro-Aryl Fluorides and their Application for the Synthesis of Phthalazinones. ChemistryOpen, 2022, 11, e202200023. | 1.9 | 3 |
| 75 | Reduction of Aromatic Nitro, Nitroso, Hydroxylamino, Azo, and Azoxy Compounds with Hydrogen Telluride from Aluminum Telluride and Water. Angewandte Chemie International Edition in English, 1980, 19, 1009-1010. | 4.4 | 2 |
| 76 | Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. Angewandte Chemie, 2021, 133, 3141-3151. | 2.0 | 2 |
| 77 | Bio-inspired asymmetric aldehyde arylations catalyzed by rhodium-cyclodextrin self-inclusion complexes. Organic and Biomolecular Chemistry, 2022, 20, 801-807. | 2.8 | 2 |
| 78 | Mechanistic Insight into Rh-Catalyzed C(sp ²)=O Bond Cleavage Applied to Cross-Coupling Reaction of Benzofurans with Aryl Grignard Reagents. ACS Catalysis, 0, , 7936-7949. | 11.2 | 2 |
| 79 | CF ₃ SO ₂ Na-Mediated Five-Component Carbonylation of Triarylboroxines with TMSCF ₃ and THF/LiOH/NaI to Give Aryloxyalkyl Iodides. Journal of Organic Chemistry, 2022, 87, 9635-9644. | 3.2 | 2 |
| 80 | Selective formation of trichloro(2-oxoalkyl)telluriums and dichlorobis(2-oxoalkyl)telluriums from tellurium tetrachloride and enol silyl ethers. Heteroatom Chemistry, 1993, 4, 229-234. | 0.7 | 1 |
| 81 | Synthesis of thiol esters by the use of carbonyl sulfide as a thiocarboxylation agent. Journal of Sulfur Chemistry, 2009, 30, 264-269. | 2.0 | 1 |
| 82 | One-pot synthesis of phosphorylnaphth[2,1-d]oxazoles and products as P,N-ligands in C=N and C=C formation. Organic and Biomolecular Chemistry, 2022, 20, 4110-4114. | 2.8 | 1 |
| 83 | Reduction of Carbonyl Compounds by Aluminum Telluride and H ₂ O or D ₂ O. Angewandte Chemie International Edition in English, 1980, 19, 1009-1009. | 4.4 | 0 |
| 84 | Cross-Coupling Reactions. , 2005, , 127-153. | | 0 |
| 85 | Regioselectivity of Selenium-Mediated Carbonylation of Organolithium Compounds with Carbon Monoxide. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 1117-1123. | 1.6 | 0 |