

# Toshiyuki Kamei

## List of Publications by Year in descending order

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32  
papers

1,180  
citations

516710

16  
h-index

434195

31  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity-Oriented Synthesis of Tamoxifen-type Tetrasubstituted Olefins. <i>Journal of the American Chemical Society</i> , 2003, 125, 14670-14671.	13.7	205
2	Diversity-Oriented Synthesis of Multisubstituted Olefins through the Sequential Integration of Palladium-Catalyzed Cross-Coupling Reactions. 2-Pyridyldimethyl(vinyl)silane as a Versatile Platform for Olefin Synthesis. <i>Journal of the American Chemical Society</i> , 2001, 123, 11577-11585.	13.7	178
3	Highly Efficient Carbopalladation Across Vinylsilane: Dual Role of the 2-PyMe <sub>2</sub> Si Group as a Directing Group and as a Phase Tag. <i>Journal of the American Chemical Society</i> , 2000, 122, 12013-12014.	13.7	102
4	Surface Functionalization of Silica by Si-H Activation of Hydrosilanes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11570-11573.	13.7	68
5	Unusually Accelerated Silylmethyl Transfer from Tin in Stille Coupling: Implication of Coordination-Driven Transmetalation. <i>Journal of the American Chemical Society</i> , 2001, 123, 8773-8779.	13.7	67
6	A General and Straightforward Route toward Diarylmethanes. Integrated Cross-Coupling Reactions Using (2-Pyridyl)silylmethylstannane as an Air-Stable, Storable, and Versatile Coupling Platform. <i>Organic Letters</i> , 2002, 4, 3635-3638.	4.6	67
7	Pyridylsilyl group-driven cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2002, 653, 105-113.	1.8	58
8	Pyridyl Group Assisted Deprotonation of a Methyl Group on Silicon: A Complex Induced Proximity Effect and Novel Hydroxymethylation. <i>Journal of Organic Chemistry</i> , 2001, 66, 3970-3976.	3.2	51
9	Grafted Polymethylhydrosiloxane on Hierarchically Porous Silica Monoliths: A New Path to Monolith-Supported Palladium Nanoparticles for Continuous Flow Catalysis Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 406-412.	8.0	46
10	Catalytic Carbometallation/Cross-Coupling Sequence across Alkynyl(2-pyridyl)silanes Leading to a Diversity-Oriented Synthesis of Tamoxifen-Type Tetrasubstituted Olefins. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1824-1835.	4.3	45
11	Cu-Catalyzed Aerobic Oxidative C-H/C=O Cyclization of 2,2'-Binaphthols: Practical Synthesis of PXX Derivatives. <i>Organic Letters</i> , 2017, 19, 2714-2717.	4.6	42
12	Palladium-Catalyzed Cross-Coupling Reactions of (2-Pyridyl)allyldimethylsilanes with Aryl Iodides. <i>Organic Letters</i> , 2006, 8, 729-731.	4.6	40
13	Copper-Catalyzed Allylation of Carbonyl Derivatives Using Allyl(2-pyridyl)silanes. <i>Organic Letters</i> , 2005, 7, 4725-4728.	4.6	30
14	Ni-catalyzed hydroboration and hydrosilylation of olefins with diboron and silylborane. <i>Tetrahedron Letters</i> , 2018, 59, 2896-2899.	1.4	25
15	A new hierarchically porous Pd@HSQ monolithic catalyst for Mizoroki-Heck cross-coupling reactions. <i>New Journal of Chemistry</i> , 2014, 38, 1144-1149.	2.8	19
16	Metal-free halogenation of arylboronate with N-halosuccinimide. <i>Tetrahedron Letters</i> , 2014, 55, 4245-4247.	1.4	19
17	AgOAc-Catalyzed Aldehyde Allylation Using Allyldimethyl(2-pyridyl)silane. <i>Chemistry Letters</i> , 2002, 31, 1084-1085.	1.3	18
18	Scandium triflate-catalyzed 6,6'-diiodination of 2,2'-dimethoxy-1,1'-binaphthyl with 1,3-diiodo-5,5-dimethylhydantoin. <i>Tetrahedron Letters</i> , 2012, 53, 3894-3896.	1.4	14

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19	Generation of pyridyl coordinated organosilicon cation pool by oxidative Si-Si bond dissociation. <i>Beilstein Journal of Organic Chemistry</i> , 2007, 3, 7.	2.2	13
20	Amine/Hydrido Bifunctional Nanoporous Silica with Small Metal Nanoparticles Made Onsite: Efficient Dehydrogenation Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36-41.	8.0	13
21	Tailor-made drug carrier: Comparison of formation-dependent physicochemical properties within self-assembled aggregates for an optimal drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 269-276.	5.0	12
22	Recyclable Functionalization of Silica with Alcohols via Dehydrogenative Addition on Hydrogen Silsesquioxane. <i>Langmuir</i> , 2013, 29, 12243-12253.	3.5	10
23	Design of Pyrene-Fatty Acid Conjugates for Real-Time Monitoring of Drug Delivery and Controllability of Drug Release. <i>ACS Omega</i> , 2018, 3, 3572-3580.	3.5	6
24	Rh-catalyzed 1,4-addition of triallyl(aryl)silanes to $\alpha,\beta$ -unsaturated carbonyl compounds. <i>Tetrahedron Letters</i> , 2016, 57, 1622-1624.	1.4	5
25	Ni-Catalyzed $\alpha$ -Selective C-H Borylations of Naphthalene-Based Aromatic Compounds. <i>Journal of Organic Chemistry</i> , 2019, 84, 14354-14359.	3.2	5
26	On-site formation of small Ag nanoparticles on superhydrophobic mesoporous silica for antibacterial application. <i>New Journal of Chemistry</i> , 2020, 44, 13553-13556.	2.8	5
27	Characterization of sorbitan surfactant-based vesicles at the molecular scale using NMR: Effect of acyl chain length vs. phospholipid composition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 33-37.	5.0	4
28	C-H Triflation of BINOL Derivatives Using DIH and TfOH. <i>Organic Letters</i> , 2019, 21, 6466-6470.	4.6	4
29	Quantitative Determination of Relative Permittivity Based on the Fluorescence Property of Pyrene Derivatives: An Interpretation of Hydrophobicity in Self-Assembled Aggregates of Nonionic Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6192-6200.	2.6	4
30	Effect of dehydrocholic acid conjugated with a hydrocarbon on a lipid bilayer composed of 1,2-dioleoyl-sn-glycero-3-phosphocholine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 58-65.	5.0	3
31	Nickel-Catalyzed Ring-Opening C=O Functionalization of <i>peri</i> -Xanthenoxanthenes for 8-Substituted Binaphthol Synthesis. <i>Organic Letters</i> , 2021, 23, 3908-3912.	4.6	2
32	Diversity-Oriented Synthesis of Tamoxifen-Type Tetrasubstituted Olefins. <i>ChemInform</i> , 2004, 35, no.	0.0	0