

Takuya Kanemitsu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Allylation of 3,4-Dihydroisoquinolines and Its Application to the Synthesis of Isoquinoline Alkaloids. <i>Journal of Organic Chemistry</i> , 2011, 76, 534-542.	3.2	78
2	Solid-Phase Synthesis of Oligosaccharides and On-Resin Quantitative Monitoring Using Gated Decoupling ^{13}C NMR. <i>Journal of the American Chemical Society</i> , 2002, 124, 3591-3599.	13.7	66
3	Quantitative Monitoring of Solid-Phase Synthesis Using Gated Decoupling ^{13}C NMR Spectroscopy with a ^{13}C -Enriched Protecting Group and an Internal Standard in the Synthesis of Sialyl Lewis X Tetrasaccharide. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3415-3418.	13.8	44
4	A convergent, versatile route to two synthetic conjugate anti-toxin malaria vaccines. <i>Chemical Communications</i> , 2004, , 1706.	4.1	43
5	Use of Olefin Cross-Metathesis to Release Azide-Containing Sugars from Solid Support. <i>Organic Letters</i> , 2003, 5, 4541-4544.	4.6	40
6	Catalytic asymmetric alkylation of $\hat{1}\pm$ -cyanocarboxylates and acetoacetates using a phase-transfer catalyst. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2530-2536.	1.8	40
7	A simple proline-based organocatalyst for the enantioselective reduction of imines using trichlorosilane as a reductant. <i>Tetrahedron</i> , 2012, 68, 3893-3898.	1.9	39
8	$\hat{1}\pm$ -Leucine-Catalyzed Direct Asymmetric Aldol Reaction of Cyclic Ketones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 993-997.	2.4	34
9	Synthesis of (-)-Trolline, (-)-Crispine A and (-)-Crispine E. <i>Heterocycles</i> , 2007, 74, 199.	0.7	32
10	Formal Syntheses of Dihydrocorynantheine and Isorhynchophylline via Proline Catalyzed Mannich-Michael Reaction. <i>Heterocycles</i> , 2010, 81, 1791.	0.7	30
11	Synthesis of a library of fucopyranosyl-galactopyranosides consisting of a complete set of anomeric configurations and linkage positions. <i>Carbohydrate Research</i> , 2006, 341, 1476-1487.	2.3	29
12	Recent Developments in Oligosaccharide Synthesis: Tactics, Solid-Phase Synthesis and Library Synthesis. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2002, 5, 339-360.	1.1	25
13	Asymmetric Alkylation of Malonic Diester Under Phase-Transfer Conditions. <i>ACS Catalysis</i> , 2011, 1, 1331-1335.	11.2	24
14	Enantioselective $\hat{1}\pm$ -Benzoyloxylation of Malonic Diesters by Phase-Transfer Catalysis. <i>Organic Letters</i> , 2016, 18, 5484-5487.	4.6	24
15	Asymmetric Acyl-Strecker Reaction Promoted by Novel Thiourea Organocatalyst. <i>Heterocycles</i> , 2010, 81, 2781.	0.7	19
16	Asymmetric Synthesis and Catalytic Activity of 3-Methyl- $\hat{1}\pm$ -proline in Enantioselective anti-Mannich-type Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 7131-7136.	3.2	19
17	Novel Sulfonamide Catalyzed Asymmetric Hetero-Diels-Alder Reaction of Ethyl Glyoxylate with Danishefsky's Diene. <i>Heterocycles</i> , 2011, 83, 2525.	0.7	18
18	Carbohydrate-Related Libraries.. <i>Trends in Glycoscience and Glycotechnology</i> , 1999, 11, 267-276.	0.1	16

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19	Synthesis of a glycopeptide with phytoalexin elicitor activity I. Syntheses of a triglycosyl l-serine and a triglycosyl l-seryl-l-proline dipeptide. <i>Carbohydrate Research</i> , 1994, 256, 59-69.	2.3	13
20	A Concise One-Pot Organo- and Biocatalyzed Preparation of Enantiopure Hexahydrofuro[2,3-b]furan-3-ol: An Approach to the Synthesis of HIV Protease Inhibitors. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1874-1880.	2.4	13
21	Single-Step Multisyntheses of Glycosyl Acceptors: Benzoylation of α -1 Hydroxyl Groups of Phenylthio Glycosides of Xylose, Mannose, Glucose, Galactose, 2-Azido-2-deoxyglucose, and 2-Azido-2-deoxygalactose. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 219-236.	1.1	11
22	Catalytic Asymmetric Synthesis of (R)-(-)-Calycotomine, (S)-(-)-Salsolidine and (S)-(-)-Carnegine. <i>Synlett</i> , 2006, 2006, 1595-1597.	1.8	11
23	Synthetic Studies on Glycopeptides Concerned with Defense Response of Plants. I. Syntheses of Suppressins A and B.. <i>Chemical and Pharmaceutical Bulletin</i> , 1997, 45, 643-650.	1.3	9
24	Induction of Defense Responses by Synthetic Glycopeptides that Have a Partial Structure of the Elicitor in the Spore Germination Fluid of <i>Mycosphaerella pinodes</i> . <i>Plant and Cell Physiology</i> , 1999, 40, 978-985.	3.1	9
25	Solid-Phase Synthesis of Sialyl Tn Antigen. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 361-376.	1.1	9
26	Ion-trap mass spectrometry unveils the presence of isomeric oligosaccharides in an analyte: stage-discriminated correlation of energy-resolved mass spectrometry. <i>Carbohydrate Research</i> , 2009, 344, 384-394.	2.3	9
27	Stereoselective Synthesis of vic-Halohydrins via l-tert-Leucine-Catalyzed syn-Selective Aldol Reaction. <i>Synlett</i> , 2012, 23, 453-357.	1.8	9
28	Solid-phase synthesis and ^1H and ^{13}C high-resolution magic angle spinning NMR of ^{13}C -labeled resin-bound saccharides. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 453-458.	1.9	8
29	Phase-Transfer Catalyzed Sulfonylation of 3-Substituted-2-oxindoles. <i>Heterocycles</i> , 2016, 92, 631.	0.7	8
30	Application of asymmetric alkylation of malonic diester with phase-transfer catalysis: synthesis of LFA-1 antagonist BIRT-377. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 214-218.	1.8	6
31	Asymmetric Michael addition of malonic diesters to acrylates by phase-transfer catalysis toward the construction of quaternary stereogenic C^{\pm} -carbons. <i>Tetrahedron</i> , 2019, 75, 209-219.	1.9	6
32	Syntheses of triglycosyl tetrapeptides and a hexaglycosyl tetrapeptide. <i>Carbohydrate Research</i> , 1996, 283, 81-93.	2.3	5
33	The novel bisphosphonate disodium dihydrogen-4-[(methylthio) phenylthio] methanebisphosphonate increases bone mass in post-ovariectomy rats. <i>Journal of Pharmacological Sciences</i> , 2016, 131, 37-50.	2.5	4
34	Synthesis of glycopeptides with phytoalexin elicitor activity α^{III} . Syntheses of hexaglycosyl hexapeptides and a nonaglycosyl hexapeptide. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 1873-1880.	3.0	3
35	Asymmetric Construction of All-Carbon Quaternary Stereocenters via Organocatalytic C^{\pm} -Hydroxymethylation of Malonic Diesters Using Aqueous Formaldehyde. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	3
36	C2-Symmetric Pyrrolidine-Based Chiral Ammonium Salts as a Phase-Transfer Catalyst. <i>Heterocycles</i> , 2011, 83, 2577.	0.7	1

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37	Synthesis and Catalytic Activities of 3-Decyl- β -proline for Michael Reactions in Water without an Organic Solvent. ACS Omega, 2021, 6, 19642-19646.	3.5	1