Hiroto Kaku

List of Publications by Year
in descending order

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30	386	759233	839539
papers	citations	12 h-index	18 g-index

35	35	35	265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deracemization of 2-alkylcyclohexanones utilizing host-guest molecular association with optically active host compounds in basic suspension media. Tetrahedron Letters, 1997, 38, 7759-7760.	1.4	35
2	Cyanomethylenetrimethylphosphorane, a powerful reagent for the Wittig olefination of esters, lactones and imides. Tetrahedron Letters, 2000, 41, 235-237.	1.4	27
3	Preparation of (Cyanomethylene)trimethylphosphorane as a New Mitsunobu-Type Reagent.. Chemical and Pharmaceutical Bulletin, 2003, 51, 474-476.	1.3	27
4	Modified MarkÃ³â€™s aerobic oxidation of alcohols under atmospheric pressure with air or molecular oxygen at room temperature. Tetrahedron Letters, 2012, 53, 5880-5882.	1.4	25
5	The nature of the thermodynamically controlled deracemization of 2-benzylcyclohexanone using (R,R)-(â^)-trans-2,3-bis(hydroxydiphenylmethyl)-1,4-dioxaspiro[5.4]decane: a crystallographic result of inclusion complex. Tetrahedron, 2002, 58, 3401-3407.	1.9	23
6	Uroleuconaphins A1 and B1, two red pigments from the aphid Uroleucon nigrotuberculatum (Olive). Tetrahedron, 2006, 62, 9072-9076.	1.9	23
7	Arylmethyl phenyl sulfones, a new carbon nucleophile for Mitsunobu-type alkylation. Tetrahedron Letters, 1999, 40, 7359-7362.	1.4	22
8	Prenyl and geranyl phenyl sulfone, a new carbon nucleophile for Mitsunobu-type alkylation. Tetrahedron Letters, 2001, 42, 905-907.	1.4	20
9	Uroleuconaphins A2a, A2b, B2a, and B2b: four yellowish pigments from the aphid Uroleucon nigrotuberculatum (Olive). Tetrahedron, 2008, 64, 5515-5518.	1.9	16
10	Total Synthesis of the (+)â€Antimycin A Family. European Journal of Organic Chemistry, 2011, 2011, 2719-2729.	2.4	15
11	Thermodynamically Controlled Deracemization of 2-Alkylcycloalkanones Utilizing Host-Guest Inclusion Complexation. Heterocycles, 2001, 55, 847.	0.7	15
12	Preparation of (Cyanomethylene)tributylphosphorane: A New Mitsunobu-Type Reagent. Chemical and Pharmaceutical Bulletin, 2005, 53, 1508-1509.	1.3	13
13	A Method to Prepare Optically Active Acyclic Î±â€Benzyl Ketones by Thermodynamically Controlled Deracemization. European Journal of Organic Chemistry, 2013, 2013, 8208-8213.	2.4	13
14	A Practical Total Synthesis of (+)-Antimycin A9. Journal of Antibiotics, 2007, 60, 65-72.	2.0	12
15	Enantioselective Total Synthesis of (R)-Î±-Lipoic Acid: An Application of Thermodynamically Controlled Deracemization of (Â±)-2-(2-Methoxyethyl)cyclohexanone. Synthesis, 2010, 2010, 2931-2934.	2.3	11
16	Viridaphin A₁ Glucoside, a Green Pigment Possessing Cytotoxic and Antibacterial Activity from the Aphid Megoura crassicauda. Journal of Natural Products, 2011, 74, 1812-1816.	3.0	11
17	A Modified Thermodynamically Controlled Deracemization of 2-Allylcyclohexanone and Its Application to Asymmetric Synthesis of (R)-(â^)-Epilachnene. Chemistry Letters, 2004, 33, 516-517.	1.3	9
18	Construction of an asymmetric quaternary carbon via an asymmetric aza-Claisen rearrangement and its application in the total synthesis of (+)-Î±-cuparenone. Tetrahedron: Asymmetry, 2012, 23, 739-741.	1.8	8

#	Article	IF	Citations
19	Isolation and Total Syntheses of Cytotoxic Cryptolactones A₁, A₂, B₁, and B₂: Î±,Î²-Unsaturated Î³-Lactones from a Cryptomyzus sp. Aphid. Journal of Natural Products, 2014, 77, 2459-2464.	3.0	8
20	A facile and practical method of preparing optically active Î±-monosubstituted cycloalkanones by thermodynamically controlled deracemization. Tetrahedron, 2010, 66, 9450-9455.	1.9	7
21	Megouraphin Glucosides: Two Yellowish Pigments from the Aphid Megoura crassicauda. Heterocycles, 2012, 85, 95.	0.7	6
22	Optically Active 2,7,10,15â€Tetrahydroxytetraphenylene: Clathrates with Both Enantiomers of 1â€Phenylethylamine and Their Stability. European Journal of Organic Chemistry, 2018, 2018, 6991-6999.	2.4	6
23	A role of uroleuconaphins, polyketide red pigments in aphid, as a chemopreventor in the host defense system against infection with entomopathogenic fungi. Journal of Antibiotics, 2018, 71, 992-999.	2.0	6
24	Deracemization of Î±-monosubstituted cyclopentanones in the presence of a TADDOL-type host molecule. Tetrahedron, 2018, 74, 124-129.	1.9	6
25	Xanthouroleuconaphin: a yellowish pigment from the aphid Uroleucon nigrotuberculatum and its total synthesis. Tetrahedron, 2013, 69, 1808-1814.	1.9	5
26	A Total Synthesis of Yellowish Aphid Pigment Furanaphin through Fries Rearrangement Assisted by Boron Trifluoride-Acetic Acid Complex. Synlett, 2012, 23, 1789-1792.	1.8	4
27	3,3-Dimethoxypropylsulfonyl Group: A new versatile protecting and activating group for amine synthesis. Tetrahedron, 2018, 74, 3052-3060.	1.9	3
28	Strong acid-promoted skeletal remodeling of the aphid pigment: red uroleuconaphin to green viridaphin. New Journal of Chemistry, 0, , .	2.8	3
29	Total Syntheses and Cytotoxic Evaluations of Cryptolactones A₁, A₂, B₁, B₂, and Their Derivatives. Chemical and Pharmaceutical Bulletin, 2020, 68, 380-383.	1.3	2
30	Base-induced isomerization of red uroleuconaphins revisited: characterization and absolute stereochemistry of the yellow aphid pigments uroleuconaphins A₂ and B₂. New Journal of Chemistry, 2022, 46, 16256-16259.	2.8	1