Yoo Tanabe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8743892/publications.pdf

Version: 2024-02-01

		172457	233421
96	2,537	29	45
papers	citations	h-index	g-index

107	107	107	1725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Practical and efficient methods for sulfonylation of alcohols using Ts(Ms)Cl/Et3N and catalytic Me3HÂ·HCl as combined base: Promising alternative to traditional pyridine. Tetrahedron, 1999, 55, 2183-2192.	1.9	147
2	Pentafluorophenylammonium triflate (PFPAT): an efficient, practical, and cost-effective catalyst for esterification, thioesterification, transesterification, and macrolactone formation. Green Chemistry, 2006, 8, 1022.	9.0	104
3	Simple, Mild, and Practical Esterification, Thioesterification, and Amide Formation Utilizingp-Toluenesulfonyl Chloride andN-Methylimidazole. Advanced Synthesis and Catalysis, 2003, 345, 1209-1214.	4.3	85
4	Chirality Exchange from sp3Central Chirality to Axial Chirality:Â Benzannulation of Optically Active Diaryl-2,2-dichlorocyclopropylmethanols to Axially Chiral Î±-Arylnaphthalenes. Journal of the American Chemical Society, 2004, 126, 5358-5359.	13.7	85
5	Ti-Crossed-Claisen Condensation between Carboxylic Esters and Acid Chlorides or Acids:Â A Highly Selective and General Method for the Preparation of Various Î²-Keto Esters. Journal of the American Chemical Society, 2005, 127, 2854-2855.	13.7	85
6	Direct, practical, and powerful crossed aldol additions between ketones and ketones or aldehydes utilizing environmentally benign TiCl 4 â€“Bu 3 N reagent. Tetrahedron, 2002, 58, 8269-8280.	1.9	72
7	TiCl4/Bu3N/(catalytic TMSOTf): Efficient agent for direct aldol addition and Claisen condensation. Tetrahedron Letters, 1997, 38, 8727-8730.	1.4	70
8	Mild, effective and selective method for the silylation of alcohols using silazanes promoted by catalytic tetrabutylammonium fluoride. Tetrahedron Letters, 1994, 35, 8409-8412.	1.4	69
9	General, Robust, and Stereocomplementary Preparation of Î²-Ketoester Enol Tosylates as Cross-Coupling Partners Utilizing TsClâˆ’N-Methylimidazole Agents. Organic Letters, 2008, 10, 2131-2134.	4.6	67
10	The Selective Claisen and Dieckmann Ester Condensations Promoted by Dichlorobis(trifluoromethanesulfonato)titanium(IV). Bulletin of the Chemical Society of Japan, 1989, 62, 1917-1924.	3.2	62
11	Regiocontrolled Benzannulation of Diaryl(gem-dichlorocyclopropyl)methanols for the Synthesis of Unsymmetrically Substituted Î±-Arylnaphthalenes:â€‰ Application to Total Synthesis of Natural Lignan Lactones. Journal of Organic Chemistry, 2005, 70, 2667-2678.	3.2	57
12	General, Robust, and Stereocomplementary Preparation of Î±,Î²-Disubstituted Î±,Î²-Unsaturated Esters. Organic Letters, 2009, 11, 4258-4261.	4.6	56
13	Mild and Efficient Pentafluorophenylammonium Triflate (PFPAT)-Catalyzed C-Acylations of Enol Silyl Ethers or Ketene Silyl (Thio)Acetals with Acid Chlorides. Organic Letters, 2007, 9, 1859-1862.	4.6	53
14	Silazanes/catalytic bases: mild, powerful and chemoselective agents for the preparation of enol silyl ethers from ketones and aldehydes. Chemical Communications, 2002, , 1628-1629.	4.1	51
15	Me2NSO2Cl and N,N-dimethylamines; a novel and efficient agent for esterification, amidation between carboxylic acids, and equimolar amounts of alcohols and amines. Tetrahedron Letters, 2001, 42, 7427-7430.	1.4	50
16	Synthesis and stereostructureâ€“activity relationship of three asymmetric center pyrethroids: 2-methyl-3-phenylcyclopropyl-methyl 3-phenoxybenzyl ether and cyanohydrin ester. Bioorganic and Medicinal Chemistry, 2001, 9, 33-39.	3.0	50
17	Novel and efficient method for esterification, amidation between carboxylic acids and equimolar amounts of alcohols, and amines utilizing Me2NSO2Cl and N,N-dimethylamines; its application to the synthesis of coumaperine, a natural chemopreventive dieneamide. Tetrahedron, 2003, 59, 5337-5345.	1.9	50
18	Catalytic TMSCl promoted powerful aldol addition and Claisen condensation mediated by TiCl4/Bu3N agent: comparison and evaluation with the Mukaiyama aldol addition. Tetrahedron Letters, 1999, 40, 4227-4230.	1.4	49

#	Article	IF	Citations
19	Practical Synthesis of (Z)-Civetone Utilizing Ti-Dieckmann Condensation. Advanced Synthesis and Catalysis, 2002, 344, 507.	4.3	49
20	Synthetic study of the highly potent and selective anti-platelet activating factor thiazolidin-4-one agents and related compounds. Journal of the Chemical Society Perkin Transactions 1, 1995, , 935.	0.9	47
21	Water-solvent method for tosylation and mesylation of primary alcohols promoted by KOH and catalytic amines. Green Chemistry, 2005, 7, 711.	9.0	45
22	Powerful Ti-Crossed Claisen Condensation between Ketene Silyl Acetals or Thioacetals and Acid Chlorides or Acids. Organic Letters, 2006, 8, 5215-5218.	4.6	41
23	Novel method for the synthesis of Î±- and Î²-halogenonaphthalenes by regioselective benzannulation of aryl(gem-dihalogenocyclopropyl)methanols: application to the total synthesis of the lignan lactones, justicidin E and taiwanin C1. Journal of the Chemical Society Perkin Transactions 1, 1996, , 2157-2165.	0.9	38
24	Efficient one-step synthesis of trialkylsubstituted 2(5H)-furanones utilizing direct Ti-crossed aldol condensation and its application to the straightforward synthesis of (R)-mintlactone and (R)-menthofuranElectronic supplementary information (ESI) available: calculated structures of 7 and 8. See http://www.rsc.org/suppdata/cc/b2/b208077j/. Chemical Communications, 2002, , 2542-2543.	4.1	34
25	Synthesis of the seed germination stimulant 3-methyl-2H-furo[2,3-c]pyran-2-ones utilizing direct and regioselective Ti-crossed aldol addition. Tetrahedron Letters, 2008, 49, 4509-4512.	1.4	34
26	Dimethylation and Hydrodechlorination ofgem-Dichlorocyclopropanes with Grignard Reagents Promoted by Fe(III) or Co(II) Catalyst. Synlett, 1998, 1998, 67-69.	1.8	33
27	Ti-direct, powerful, stereoselective aldol-type additions of esters and thioesters to carbonyl compounds: application to the synthesis and evaluation of lactone analogs of jasmone perfumes. Organic and Biomolecular Chemistry, 2007, 5, 151-159.	2.8	31
28	A Highly Efficient Synthesis of Civetone. Tetrahedron, 2000, 56, 7423-7425.	1.9	30
29	Powerful Claisen condensation and Claisenâ€“aldol tandem reaction of Î±,Î±-dialkylated esters promoted by ZrCl4â€“iPr2NEt. Chemical Communications, 2001, , 1674-1675.	4.1	30
30	A novel synthesis of Î±- and Î²-halonaphthalenes via regioselective ring cleavage of aryl(gem-dihalocyclopropyl)methanols and its application to total synthesis of lignan lactones, justicidin e and taiwanin c. Tetrahedron Letters, 1990, 31, 6883-6886.	1.4	29
31	Practical and Safe Sulfonylation of 2-Alkynyl and 2-Alkenyl Alcohols Using the Combined Bases of a Catalytic Amount of Tertiary Amine and Potassium Carbonate. Bulletin of the Chemical Society of Japan, 1995, 68, 297-300.	3.2	29
32	Practical and Robust Method for Regio- and Stereoselective Preparation of (E)-Ketene tert-Butyl TMS Acetals and Î²-Ketoester-derived tert-Butyl (1Z,3E)-1,3-Bis(TMS)dienol Ethers. Journal of Organic Chemistry, 2007, 72, 8142-8145.	3.2	29
33	(E)â€¦(Z)â€Parallel Preparative Methods for Stereodefined Î²,Î²â€Diarylâ€•and Î±,Î²â€Diarylâ€Î±,Î²â€•unsaturated Esters: Application to the Stereocomplementary Concise Synthesis of Zimelidine. Chemistry - A European Journal, 2015, 21, 5934-5945.	3.3	29
34	Regioselective .alpha.-methoxycarbonylsulfenylation of ketones and aldehydes: a versatile method for preparation of thiazolones, thiadiazinones, and 3-indolethiols. Journal of Organic Chemistry, 1992, 57, 1053-1056.	3.2	28
35	Novel and efficient synthesis of 2(5H)-furanone derivatives. Journal of Organic Chemistry, 1988, 53, 1560-1563.	3.2	26
36	Si-BEZA â€“ catalytic pyridinium triflate: a mild and powerful agent for the silylation of alcohols. Chemical Communications, 2001, , 2478-2479.	4.1	26

#	Article	IF	Citations
37	Water Solvent Method for Esterification and Amide Formation between Acid Chlorides and Alcohols Promoted by Combined Catalytic Amines: Synergy betweenN-Methylimidazole andN,N,Nâ€²,Nâ€²-Tetramethylethylenediamine (TMEDA). Advanced Synthesis and Catalysis, 2006, 348, 2057-2062.	4.3	26
38	Highly Stereoselective Radical Carbonylations of gem-Dihalocyclopropane Derivatives with CO. Organic Letters, 2007, 9, 563-566.	4.6	26
39	Sequential and highly stereoselective intermolecular radical additions of 2,3-cis-disubstituted 1,1-dibromo- and 1-bromocyclopropanes to electron-deficient olefins. Tetrahedron Letters, 1996, 37, 1837-1840.	1.4	25
40	Practical Short Synthesis of 1Î²-Methylcarbapenem Utilizing a New Dehydration Type Ti-Dieckmann Condensation. Advanced Synthesis and Catalysis, 2003, 345, 967-970.	4.3	25
41	Mild, powerful, and robust methods for esterification, amide formation, and thioesterification between acid chlorides and alcohols, amines, thiols, respectively. Tetrahedron, 2007, 63, 12071-12080.	1.9	25
42	Stereoselective synthesis of anti-PAF active thiazolidin-4-ones via cyclo-condensation of alkyl Î±-mercaptocarboxylates with arylimines. Tetrahedron Letters, 1991, 32, 383-386.	1.4	24
43	Synthesis and stereostructureâ€“activity relationship of a synthetic pyrethroid, 2-chloro-1-methyl-3-phenylcyclopropylmethyl-3-phenoxybenzyl ether. Journal of the Chemical Society Perkin Transactions 1, 1996, , 1243-1249.	0.9	24
44	(E)- and (Z)-stereodefined enol phosphonates derived from Î²-ketoesters: stereocomplementary synthesis of fully-substituted Î±,Î²-unsaturated esters. Organic and Biomolecular Chemistry, 2015, 13, 8205-8210.	2.8	24
45	Powerful Stereoselective Aldol-type Additions of Phenyl and Phenylthio Esters with Aldehydes or Ketones Mediated by TiCl4/Amine Reagent. Synlett, 2001, 2001, 1959-1961.	1.8	22
46	Efficient Method for the Deprotection of tert-Butyldimethylsilyl Ethers with TiCl4â˜Lewis Base Complexes:â€‰ Application to the Synthesis of 1Î²-Methylcarbapenems. Journal of Organic Chemistry, 2006, 71, 5380-5383.	3.2	21
47	Pentafluorophenylammonium Trifluoromethanesulfonimide: Mild, Powerful, and Robust Catalyst for Mukaiyama Aldol and Mannich Reactions between Ketene Silyl Acetals and Ketones or Oxime Ethers. Advanced Synthesis and Catalysis, 2010, 352, 1128-1134.	4.3	21
48	Asymmetric Ti-crossed Claisen condensation: application to concise asymmetric total synthesis of alternaric acid. Chemical Communications, 2013, 49, 7001.	4.1	21
49	Sequential and regioselective Friedelâ€“Crafts reactions of gem-dihalogenocyclopropanecarbonyl chlorides with benzenes for the synthesis of 4-aryl-1-naphthol derivatives. Journal of the Chemical Society Perkin Transactions 1, 1997, , 477-486.	0.9	20
50	NaOH-catalyzed crossed Claisen condensation between ketene silyl acetals and methyl esters. Chemical Communications, 2005, , 3171.	4.1	20
51	Regiocontrolled benzannulation of diaryl(gem-dichlorocyclopropyl)methanols for the synthesis of â€œunsymmetricallyâ€•substituted Î±-arylnaphthalenes. Tetrahedron Letters, 1997, 38, 7195-7198.	1.4	19
52	A NEW 3-ACYL-4-HYDROXY-2-PYRONE SYNTHESIS AND ITS APPLICATION TO TOTAL SYNTHESIS OF (Â±) PODOBLASTIN A, B AND C. Chemistry Letters, 1982, 11, 1543-1546.	1.3	18
53	A Novel and Regioselective Radical Cyclization ofgem-Dihalocyclopropyl Substituted Alkenes and Alkynes Using Tributyltin Hydride and Catalytic AIBN. Chemistry Letters, 1994, 23, 1757-1760.	1.3	18
54	Practical, general, and systematic method for optical resolution of gem-dihalo- and monohalocyclopropanecarboxylic acids utilizing chiral 1,1â€²-binaphtholmonomethyl ethers: Application to the synthesis of three chiral pesticides. Organic and Biomolecular Chemistry, 2008, 6, 540-547.	2.8	16

#	Article	IF	Citations
55	Asymmetric Total Synthesis of (â€“)â€Azaspirene by Utilizing Tiâ€Claisen Condensation and Tiâ€Direct Aldol Reaction. European Journal of Organic Chemistry, 2016, 2016, 4834-4841.	2.4	16
56	PODOBLASTIN A, B AND C. NEW ANTIFUNGAL 3-ACYL-4-HYDROXY-5,6-DIHYDRO-2-PYRONES OBTAINED FROMPODOPHYLLUM PELTATUML. Chemistry Letters, 1982, 11, 1539-1542.	1.3	15
57	Divergent Synthetic Access toE- andZ-Stereodefined All-Carbon-Substituted Olefin Scaffolds: Application to Parallel Synthesis of (E)- and (Z)-Tamoxifens. ChemistryOpen, 2017, 6, 73-89.	1.9	14
58	Improved Practical Asymmetric Synthesis of Î±-Alkylmandelic Acids Utilizing Highly Diastereoselective Alkylation of 5-Aryl-2-(1-naphthyl)-1,3-dioxolan-4-ones. Organic Process Research and Development, 2006, 10, 500-504.	2.7	13
59	Practical and robust method for stereoselective preparations of ketene silyl (thio)acetal derivatives and NaOH-catalyzed crossed-Claisen condensation between ketene silyl acetals and methyl esters. Tetrahedron, 2009, 65, 5596-5607.	1.9	13
60	Stereoselective Bifurcating-type Radical Cyclization ofgem-Dibromocyclopropanes for the Synthesis of Uniquely Fused 5-3-5-Type Tricyclic Compounds. Chemistry Letters, 2002, 31, 30-31.	1.3	12
61	Synthesis of Unsymmetrically and Highly Substituted Thiophenes Utilizing Regioselective Ring-expansion ofgem-Dichlorocyclopropyl Ketones with Lawessonâ€™s Reagent. Chemistry Letters, 2007, 36, 62-63.	1.3	12
62	Total Syntheses of All Six Chiral Natural Pyrethrins: Accurate Determination of the Physical Properties, Their Insecticidal Activities, and Evaluation of Synthetic Methods. Journal of Organic Chemistry, 2020, 85, 2984-2999.	3.2	12
63	Novel Synthetic Pyrethroid Containing a Halocyclopropane Structure. Bioscience, Biotechnology and Biochemistry, 1995, 59, 1355-1357.	1.3	11
64	Cyclopropane-shift type reaction of diaryl(2-halogenocyclopropyl)methanols promoted by Lewis acids. Tetrahedron Letters, 2000, 41, 5937-5942.	1.4	11
65	Ti-mediated direct and highly stereoselective Mannich reactions between esters and oximeethers. Chemical Communications, 2008, , 771-773.	4.1	11
66	Stereoretentive Suzukiâ€“Miyaura and Kumadaâ€“Tamaoâ€“Corriu Cross-Couplings for Preparing (E)- and (Z)-Stereodefined, Fully Substituted Î±,Î²-Unsaturated Esters: Application for a Pharmacophore Synthesis. Synthesis, 2018, 50, 4659-4667.	2.3	10
67	Regioselective Synthesis of Methyl 3-Thiothiophene-2-carboxylate Derivatives Utilizing a Dehydration-Type Ti-Dieckmann Condensation. Heterocycles, 2007, 72, 697.	0.7	10
68	A Convenient Synthesis of 3-Chloromethyl-2(3H)-benzothiazolones. Synthesis, 1988, 1988, 482-483.	2.3	9
69	Reductive Ti-crossed Claisen Condensation between Methyl Î±-Bromocarboxylates and Acid Chlorides Utilizing a TiCl4â€“PPh3â€“N-Methylimidazole Reagent. Chemistry Letters, 2007, 36, 48-49.	1.3	8
70	A General and Robust Method for the Preparation of (E)- and (Z)-Stereodefined Fully Substituted Enol Tosylates: Promising Cross-Coupling Partners. Synthesis, 2016, 48, 4072-4080.	2.3	8
71	Asymmetric Total Syntheses of Two 3-Acyl-5,6- dihydro-2H-pyrones: (R)-Podoblastin-S and (R)-Lachnelluloic Acid with Verification of the Absolute Configuration of (â^')-Lachnelluloic Acid. Molecules, 2017, 22, 69.	3.8	8
72	Ringâ€Closing Strategy Utilizing Nitrile Î±â€Anions: Chiral Synthesis of (+)â€Norchrysanthemic Acid and Expeditious Asymmetric Total Synthesis of (+)â€Grandisol. European Journal of Organic Chemistry, 2018, 2018, 6018-6027.	2.4	8

#	Article	IF	Citations
73	Divergent Asymmetric Total Synthesis of All Four Pestalotin Diastereomers from (R)-Glycidol. Molecules, 2020, 25, 394.	3.8	7
74	An Improved Method for Preparation ofN-Alkyl-2(3H)-benzothiazolone Analogs. Bulletin of the Chemical Society of Japan, 1983, 56, 1255-1256.	3.2	6
75	Synthesis and Stereostructure-Activity Relationship of Novel Pyrethroids Possessing two Asymmetric Centers on a Cyclopropane Ring. Molecules, 2019, 24, 1023.	3.8	6
76	Stereocomplementary and Parallel Syntheses of Multiâ€Substituted (E)â€; (Z)â€Stereodefined Î±,Î²â€Unsaturated Esters: Application to Drug Syntheses. Chemical Record, 2020, 20, 1410-1429.	5.8	6
77	Dehydrationâ€type Tiâ€Claisen Condensation (Carbonhomologation) of Î±â€Heteroatomâ€substituted Acetates with Alkyl Formates: Utilization as (Z)â€Stereodefined Crossâ€coupling Partners and Application to Concise Synthesis of Strobilurin A. Advanced Synthesis and Catalysis, 2017, 359, 3865-3879.	4.3	5
78	(E)â€;(Z)â€Stereodefined Î±â€Chloroâ€Î²â€tosyloxyâ€Î±,Î²â€unsaturated Esters: Sequential Crossâ€Couplings for (E)â€;(Z) Tj ETQq Chemistry, 2020, 9, 604-615.	2.7	5
79	Synthetic Study on the Utilization of gem-Dihalo- and Halocyclopropanes: Cationic Approach toward Versatile and Highly Selective Benzannulations.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1999, 57, 170-180.	0.1	4
80	Gram-Scale Robust Synthesis of 1-Chloro-2,3-dimethyl-4-phenylnaphthalene: A Promising Scaffold with Three Contiguous Reaction Positions. Synthesis, 2020, 52, 3811-3817.	2.3	4
81	Practical method for crystalline-liquid resolution of chrysanthemic acids utilizing chiral 1,1â€²-binaphthol monoethyl ethers directed for process chemistry. Tetrahedron: Asymmetry, 2009, 20, 1015-1019.	1.8	3
82	Acid-induced Favorskii-type Reaction: Regiocontrolled Elimination of Acyloin Mesylates Leading to Î±,Î²-Unsaturated Ketones and Application to Formal Total Synthesis of (R)-Muscone from Racemic Muscone. ChemistrySelect, 2016, 1, 3215-3218.	1.5	3
83	Ipso-Type Regiocontrolled Benzannulation for the Synthesis of Uniquely Substituted Î±-Arylnaphthalenes: Application to the First Total Synthesis of Chaihunaphthone. ACS Omega, 2021, 6, 18135-18156.	3.5	3
84	Asymmetric Total Syntheses of Both Enantiomers of Plymuthipyranone B and Its Unnatural Analogues: Evaluation of anti-MRSA Activity and Its Chiral Discrimination. Pharmaceuticals, 2021, 14, 938.	3.8	3
85	Lack of Inhibitory Effects of Coumaperine from Pepper on the Promotion Stage of Chemical Hepatocarcinogenesis in the Rat. Journal of Toxicologic Pathology, 2003, 16, 161-164.	0.7	3
86	Regioselective Cyclocondensations of Chlorocarbonylsulfenyl Chloride with Hydrazones: Effective Synthesis of a Class of Sulfur and Nitrogen Containing Heterocycles with -COS- Linkage. Heterocycles, 1996, 43, 141.	0.7	3
87	Straightforward Synthesis of 2(5H)-Furanones as Promising Cross-Coupling Partners: Direct Furanone Annulation Utilizing Ti-Mediated Aldol Addition. MolBank, 2016, 2016, M908.	0.5	2
88	Chiral syntheses of methyl (R)â€2â€Sulfanylcarboxylic esters and acids with optical purity determination using HPLC. Chirality, 2018, 30, 816-827.	2.6	2
89	Straightforward Synthesis of N-Methyl-4-(pin)B-2(3H)-benzothiazol-2-one: A Promising Cross-Coupling Reagent. MolBank, 2018, 2018, M976.	0.5	2
90	Stereocomplementary Synthesis of cisâ€and transâ€2â€(pâ€Bromophenyl)â€5â€methylthiazolidinâ€4â€ones: Useful Umpolungâ€type Suzukiâ€“Miyaura Crossâ€coupling Partner and Donor. Journal of Heterocyclic Chemistry, 2018, 55, 1112-1118.	2	1

#	Article	IF	Citations
91	Synthesis of Naphthaleman Family Utilizing Regiocontrolled Benzannulation: Unique Molecules Composed of Multisubstituted Naphthalenes. ACS Omega, 2021, 6, 32682-32694.	3.5	1
92	Direct, Practical, and Powerful Crossed Aldol Additions Between Ketones and Ketones or Aldehydes Utilizing Environmentally Benign TiCl4â€”Bu3N Reagent.. ChemInform, 2003, 34, no.	0.0	0
93	Simple, Mild, and Practical Esterification, Thioesterification, and Amide Formation Utilizing p-Toluenesulfonyl Chloride and N-Methylimidazole.. ChemInform, 2004, 35, no.	0.0	0
94	Synthetic Study on Macrocyclic Musks, Mints, and Jasmine Perfumes Utilizing Ti-Claisen and Aldol Reactions. ACS Symposium Series, 2004, , 267-272.	0.5	0
95	Benzyl (R)-2-(Acetylthio)Propanoate: A Promising Sulfur Isoster of (R)-Lactic Acid and Ester Precursors. MolBank, 2018, 2018, M1010.	0.5	0
96	Hetero-Type Benzannulation Leading to Substituted Benzothio-Phenes. Molecules, 2021, 26, 7008.	3.8	0