

Munetaka Kunishima

List of Publications by Year in descending order

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257450

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docs citations

91
times ranked

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#	ARTICLE	IF	CITATIONS
1	4-(4,6-dimethoxy-1,3,5-triazin-2-yl)-4-methyl-morpholinium chloride: an efficient condensing agent leading to the formation of amides and esters. <i>Tetrahedron</i> , 1999, 55, 13159-13170.	1.9	416
2	Formation of carboxamides by direct condensation of carboxylic acids and amines in alcohols using a new alcohol- and water-soluble condensing agent: DMT-MM. <i>Tetrahedron</i> , 2001, 57, 1551-1558.	1.9	300
3	Synthesis and characterization of 4-(4,6-dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride. <i>Tetrahedron Letters</i> , 1999, 40, 5327-5330.	1.4	188
4	Generation of [β -(phenylsulfonyl)alkylidene]carbenes from hypervalent alkenyl- and alkynylodonium tetrafluoroborates and synthesis of 1-(phenylsulfonyl)cyclopentenes. <i>Journal of the American Chemical Society</i> , 1991, 113, 3135-3142.	13.7	120
5	Synthesis of ethynyl(phenyl)iodonium tetrafluoroborate. A new reagent for ethynylation of 1,3-dicarbonyl compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 118.	2.0	109
6	A Novel Acid-Catalyzed <i>o</i> -Benzylating Reagent with the Smallest Unit of Imidate Structure. <i>Organic Letters</i> , 2012, 14, 5026-5029.	4.6	75
7	Cyclodextrin-Based Artificial Acyltransferase: α Substrate-Specific Catalytic Amidation of Carboxylic Acids in Aqueous Solvent. <i>Journal of the American Chemical Society</i> , 2001, 123, 10760-10761.	13.7	50
8	Alkylidenecarbenes from 1,1-dihalogenoalkenes with samarium diiodide: Mild and efficient method for the synthesis of cyclopentenes. <i>Tetrahedron Letters</i> , 1994, 35, 7253-7254.	1.4	45
9	Study on 1,3,5-Triazine Chemistry in Dehydrocondensation: <i>gauche</i> Effect on the Generation of Active Triazinylammonium Species. <i>Chemistry - A European Journal</i> , 2012, 18, 15856-15867.	3.3	45
10	Sml ₂ -Induced 2,3-Wittig Rearrangement: β Regioselective Generation of β -Allyloxy Carbanions via 1,5-Hydrogen Transfer of Vinyl Radicals. <i>Journal of Organic Chemistry</i> , 1997, 62, 7542-7543.	3.2	38
11	Approach to green chemistry of DMT-MM: recovery and recycle of coproduct to chloromethane-free DMT-MM. <i>Tetrahedron Letters</i> , 2002, 43, 3323-3326.	1.4	34
12	Unusual Rate Enhancement of Bimolecular Dehydrocondensation To Form Amides at the Interface of Micelles of Fatty Acid Salts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7254-7257.	13.8	33
13	Generation of alkylidenecarbenes from 1,1-dibromoalk-1-enes by the reaction with samarium diiodide in hexamethylphosphoric triamide-benzene. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 219-220.	2.0	32
14	A Racemization Test in Peptide Synthesis Using 4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium Chloride (DMT-MM).. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 549-550.	1.3	32
15	Nucleophilic vinylic substitutions of (Z)-(β -(phenylsulfonyl)-alkenyl)iodonium tetrafluoroborates with sodium benzenesulfonate: Stereoselective synthesis of (Z)-1,2-bis(phenylsulfonyl)alkenes. <i>Tetrahedron Letters</i> , 1993, 34, 4829-4830.	1.4	31
16	Binding of sulforhodamine B to human serum albumin: A spectroscopic study. <i>Dyes and Pigments</i> , 2013, 99, 588-593.	3.7	31
17	Increased Plasma Concentrations of Unbound SN-38, the Active Metabolite of Irinotecan, in Cancer Patients with Severe Renal Failure. <i>Pharmaceutical Research</i> , 2016, 33, 269-282.	3.5	31
18	Substrate-Selective Dehydrocondensation at the Interface of Micelles and Emulsions of Common Surfactants. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2080-2083.	13.8	30

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19	Convenient modular method for affinity labeling (MoAL method) based on a catalytic amidation. <i>Chemical Communications</i> , 2009, , 5597.	4.1	29
20	Michael type addition of halides to alkynyl(phenyl)iodonium tetrafluoroborates. Stereoselective synthesis of (Z)- β -halovinyl(phenyl)iodonium halides. <i>Tetrahedron Letters</i> , 1991, 32, 4753-4756.	1.4	28
21	Spontaneous Membrane Fusion Induced by Chemical Formation of Ceramides in a Lipid Bilayer. <i>Journal of the American Chemical Society</i> , 2006, 128, 14452-14453.	13.7	28
22	Phototriggered Active Alkyne Generation from Cyclopropanones with Visible Light-Responsive Photocatalysts. <i>Organic Letters</i> , 2019, 21, 4101-4105.	4.6	26
23	Transition-State Stabilization by a Mammalian Reductive Dehalogenase. <i>Journal of the American Chemical Society</i> , 1999, 121, 4722-4723.	13.7	25
24	Sml ₂ -Mediated coupling reactions between iodoalkynes and ketones or aldehydes to give propargyl alcohols. <i>Tetrahedron Letters</i> , 1995, 36, 3707-3710.	1.4	24
25	Generation and Reactions of Alkynylsamariums. <i>Tetrahedron</i> , 2000, 56, 9927-9935.	1.9	24
26	Study of the Reactivities of Acid-Catalyzed O-Benzylating Reagents Based on Structural Isomers of 1,3,5-Triazine. <i>Journal of Organic Chemistry</i> , 2015, 80, 11200-11205.	3.2	24
27	Primary-Amine-Specific Lactamization of α -Amino Acids by an Artificial Cyclotransferase Based on [18]Crown-6. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1252-1255.	13.8	23
28	Antitumor studies – Part 2: Structure–activity relationship study for flavin analogs including investigations on their in vitro antitumor assay and docking simulation into protein tyrosine kinase. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1376-1389.	5.5	23
29	A Practical Method for p-Methoxybenzylation of Hydroxy Groups Using 2,4,6-Tris(p-methoxybenzyloxy)-1,3,5-triazine (TriBOT-PM). <i>Synthesis</i> , 2013, 45, 2989-2997.	2.3	23
30	Development of a New Benzylating Reagent Spontaneously Releasing Benzyl Cation Equivalents at Room Temperature. <i>Chemistry - A European Journal</i> , 2014, 20, 12274-12278.	3.3	21
31	Role of Linkers in Tertiary Amines That Mediate or Catalyze 1,3,5-Triazine-Based Amide-Forming Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 3709-3714.	3.2	20
32	O-Benzylation of Carboxylic Acids Using 2,4,6-Tris(benzyloxy)-1,3,5-triazine (TriBOT) under Acidic or Thermal Conditions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7997-8002.	2.4	20
33	Development of a Triazine-Based tert-Butylating Reagent, TriAT-Bu. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4093-4098.	2.4	20
34	Preparation of Weinreb Amides Using 4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium Chloride (DMT-MM). <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 470-472.	1.3	19
35	2,3-Wittig rearrangement by partial reduction of diallyl acetals with Sml ₂ in acetonitrile. <i>Tetrahedron Letters</i> , 1998, 39, 5229-5232.	1.4	18
36	A new method using 2-chloro-4,6-dimethoxy-1,3,5-triazine for facile elimination of dimethylamino group in Eschenmoser's methylenation for synthesis of α,β -unsaturated esters. <i>Tetrahedron Letters</i> , 2013, 54, 1758-1760.	1.4	18

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37	Effects of stereochemistry and β^2 -substituents on the rates of vinylic SN2 reaction of hypervalent vinyl(phenyl)- β^3 -iodanes with tetrabutylammonium halides. <i>Tetrahedron</i> , 2010, 66, 5819-5826.	1.9	17
38	<i>N,N</i> -Dimethylated Benzyloxytriazinedione: A Stable Solid Reagent for Acid-Catalyzed Benzoylation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 833-839.	2.4	16
39	Substrate-Specific Amidation of Carboxylic Acids in a Liquid-Liquid Two-Phase System Using Cyclodextrins as Inverse Phase-Transfer Catalysts. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4535-4540.	2.4	15
40	Mild Amide-Cleavage Reaction Mediated by Electrophilic Benzoylation. <i>Chemistry - A European Journal</i> , 2016, 22, 14042-14047.	3.3	15
41	Immobilized Triazine-Type Dehydrocondensing Reagents for Carboxamide Formation: ROMP-Trz-Cl and ROMP(OH)-Trz-Cl. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 825-828.	1.3	14
42	Development of chlorotriazine polymer dehydrocondensing reagents (Poly-Trzs). <i>Tetrahedron</i> , 2007, 63, 2604-2612.	1.9	14
43	An Isolable and Bench-Stable Epoxidizing Reagent Based on Triazine: Triazox. <i>Organic Letters</i> , 2018, 20, 2015-2019.	4.6	14
44	Halogenolactamization of 2-(3-Butenyl)-1,3-oxazolines to Bifunctional β^3 - and β^1 -Lactams. <i>Chemistry Letters</i> , 2002, 31, 522-523.	1.3	13
45	Development of novel polymer-type dehydrocondensing reagents comprised of chlorotriazines. <i>Chemical Communications</i> , 2005, , 2698.	4.1	13
46	Labeling study of avidin by modular method for affinity labeling (MoAL). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7050-7053.	2.2	13
47	Phototriggered Dehydration Condensation Using an Aminocyclopropanone. <i>Organic Letters</i> , 2017, 19, 4912-4915.	4.6	13
48	Study of 1,3,5-Triazine-Based Catalytic Amide-Forming Reactions: Effect of Solvents and Basicity of Reactants. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 882-886.	1.3	12
49	Potent triazine-based dehydrocondensing reagents substituted by an amido group. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1897-1903.	2.2	12
50	Development of acid-catalyzed fluorous benzylating reagents based on a triazinedione core. <i>Journal of Fluorine Chemistry</i> , 2016, 190, 68-74.	1.7	12
51	Reduction of monothioacetals with SmI ₂ : application to [2,3]-Wittig rearrangement. <i>Tetrahedron Letters</i> , 2001, 42, 415-418.	1.4	11
52	Combination Metabolomics Approach for Identifying Endogenous Substrates of Carnitine/Organic Cation Transporter OCTN1. <i>Pharmaceutical Research</i> , 2018, 35, 224.	3.5	11
53	Development of a Simple System for Dehydrocondensation Using Solid-Phase Adsorption of a Water-Soluble Dehydrocondensing Reagent (DMT-MM). <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1223-1226.	1.3	10
54	A Study on Medicinal Plants from Malaysia Focused on <i>Acalypha siamensis</i> Oliv. ex Gage. Isolation and Structure of a New Tetraterpene, Acalyphaser A. <i>Chemistry and Biodiversity</i> , 2006, 3, 1301-1306.	2.1	10

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55	New approach to oligotriazoles using a cobalt complex of propargyl azides as a synthetic component. <i>Tetrahedron Letters</i> , 2011, 52, 3358-3360.	1.4	10
56	Study of α -Allylation Using Triazine-Based Reagents. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 112-115.	1.3	10
57	Development of a method for the synthesis of 2,4,5-trisubstituted oxazoles composed of carboxylic acid, amino acid, and boronic acid. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1478-1485.	2.2	10
58	Generation and Reactions of Samarium Carbanions Mediated by Samarium Iodide.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1999, 57, 127-135.	0.1	9
59	Imido-substituted triazines as dehydrative condensing reagents for the chemoselective formation of amides in the presence of free hydroxy groups. <i>RSC Advances</i> , 2018, 8, 22482-22489.	3.6	9
60	Development of triazine-based esterifying reagents containing pyridines as a nucleophilic catalyst. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6569-6575.	2.8	9
61	Reduction of Acetals with Samarium Diiodide in Acetonitrile in the Presence of Lewis Acids.. <i>Chemical and Pharmaceutical Bulletin</i> , 2001, 49, 97-100.	1.3	8
62	Benzyl 4,6-Dimethoxy-1,3,5-triazinyl Carbonate as N-Protecting Reagent. <i>Chemistry Letters</i> , 2002, 31, 66-67.	1.3	8
63	Direct Preparation of Primary Amides by Reaction of Carboxylic Acids and Ammonia in Alcohols Using DMT-MM. <i>Chemistry Letters</i> , 2008, 37, 1190-1191.	1.3	8
64	Specific Labeling of Streptavidin for Better Understanding of Ligand Modification in Modular Method for Affinity Labeling (MoAL). <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 1146-1150.	1.3	8
65	Synthesis of Pyrrolidinium Salts Using a Triazine-based Reagent under Mild Conditions. <i>Chemistry Letters</i> , 2014, 43, 1593-1595.	1.3	8
66	Triazine-Based Cationic Leaving Group: Synergistic Driving Forces for Rapid Formation of Carbocation Species. <i>Journal of Organic Chemistry</i> , 2018, 83, 4568-4580.	3.2	8
67	Development of Triazinone-Based Condensing Reagents for Amide Formation. <i>Journal of Organic Chemistry</i> , 2019, 84, 15042-15051.	3.2	8
68	Development of highly electron-deficient and less sterically-hindered phosphine ligands possessing 1,3,5-triazinyl groups. <i>Molecular Catalysis</i> , 2018, 445, 87-93.	2.0	7
69	Substitution of the Dimethylamino Group in Gramines and One-Pot Cyclization to Tetrahydro- β -carbolines Using a Triazine-Based Activating Agent. <i>Journal of Organic Chemistry</i> , 2019, 84, 8380-8391.	3.2	7
70	[2,3]-Wittig Rearrangement Initiated by 1,5-Hydrogen Atom Transfer from an <i>ortho</i> -Iodophenyl Group on the α -Carbon of Allylic Ethers by Reduction with SmI_2 . <i>Chemistry Letters</i> , 1999, 28, 683-684.	1.3	6
71	Convenient One-Pot Synthesis of 2-Oxazolines from Carboxylic Acids. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1735-1737.	1.3	6
72	Triazine-based dehydrative condensation reagents bearing carbon-substituents. <i>Tetrahedron</i> , 2020, 76, 130900.	1.9	6

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73	One-Pot Preparation of Oxazol-5(4 <i>H</i>)-ones from Amino Acids in Aqueous Solvents. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 907-912.	1.3	5
74	Alcohol- and Amine-Tolerant Synthesis of Six-Membered Cyclic Quaternary Ammonium Salts by Using a Triazine-Based Reagent. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1508-1517.	2.7	5
75	Chemo-enzymatic synthesis of a glycosylated peptide containing a complex N-glycan based on unprotected oligosaccharides by using DMT-MM and Endo-M. <i>Glycoconjugate Journal</i> , 2017, 34, 481-487.	2.7	5
76	Development of a Storable Triazinone-Based Reagent for <i>O</i> - <i>p</i> -Methoxybenzylation under Mild Heating Conditions. <i>Organic Letters</i> , 2019, 21, 3093-3097.	4.6	5
77	Phototriggered Ketone Formation from an Aminocyclopropanone and a Carboxylic Acid. <i>Journal of Organic Chemistry</i> , 2018, 83, 13595-13603.	3.2	4
78	Preparation of Alkyl Ethers with Diallyltriazinedione-Type Alkylating Agents (ATTACKs) Under Acid Catalysis. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4436-4446.	2.4	4
79	Efficiency Enhancement of a Photocatalytic Decarbonylation of an Aminocyclopropanone by Benzothiophene Substitution. <i>Journal of Organic Chemistry</i> , 2021, 86, 3625-3636.	3.2	4
80	Synthesis of Aza-Bridged Calix(4-methoxy)triazines toward Flattened π -Conjugated Macrocycles. <i>Heterocycles</i> , 2009, 79, 609.	0.7	3
81	Development of a triazinedione-based dehydrative condensing reagent containing 4-(dimethylamino)pyridine as an acyl transfer catalyst. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4712-4719.	2.8	3
82	Novel Alkylating Reagents Designed by the Characteristics of 1,3,5-Triazines. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2017, 75, 1023-1034.	0.1	3
83	Useful Reagents for Introduction of Boc and Fmoc Protective Groups to Amines: Boc-DMT and Fmoc-DMT. <i>Synthesis</i> , 2006, 2006, 1931-1933.	2.3	2
84	A Simple Practical Method for the Synthesis of 4,6-Dimethoxy-1,3,5-triazin-2(1 <i>H</i>)-one Using Dimethylamine-Functionalized Solid-Phase Reagents. <i>Synthesis</i> , 2009, 2009, 542-544.	2.3	2
85	<i>N</i> -Isopropyl- <i>p</i> -iodoamphetamine Hydrochloride Is Predominantly Metabolized by CYP2C19. <i>Drug Metabolism and Disposition</i> , 2012, 40, 843-846.	3.3	2
86	Development of radioiodine labeled acetaminophen for specific, high-contrast imaging of malignant melanoma. <i>Nuclear Medicine and Biology</i> , 2018, 59, 16-21.	0.6	2
87	Synthesis and characterization of tetraphenylammonium salts. <i>Nature Communications</i> , 2022, 13, 2537.	12.8	2
88	A versatile iodo(III)etherification of terminal ethynylsilanes using BF ₃ ·O <i>i</i> Pr ₂ and alkyl benzyl ethers. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3825-3828.	2.8	1
89	Cooperation of the Neutral and the Cationic Leaving Group Pathways in Acid-Catalyzed <i>O</i> -Benzylation of TriBOT. <i>Journal of Organic Chemistry</i> , 2018, 83, 10684-10687.	3.2	0
90	Conjugation of 4-(dimethylamino)pyridine to primary amines in aqueous buffer solutions using an <i>N</i> -hydroxysuccinimide ester reagent. <i>Tetrahedron Letters</i> , 2021, 81, 153343.	1.4	0