

Tomohiro Maegawa

List of Publications by Year in descending order

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3325
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemo- and enantioselective hetero-coupling of hydroxycarbazoles catalyzed by a chiral vanadium(ν) complex. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4878-4885.	4.5	20
2	Deprotection of the Carbazole PMB Group Using Hypervalent Iodine Reagent Combined with N-Hydroxyphthalimide. <i>Heterocycles</i> , 2021, 103, 1031.	0.7	2
3	An Improved and Practical Method for Synthesizing of \pm -Sanshools and Spilanthol. <i>Frontiers in Chemistry</i> , 2020, 8, 187.	3.6	9
4	Aromatic Halogenation Using <i>N</i> -Halosuccinimide and PhSSiMe ₃ or PhSSPh. <i>Journal of Organic Chemistry</i> , 2019, 84, 7405-7410.	3.2	24
5	Hypervalent Iodine-Mediated Beckmann Rearrangement of Ketoximes. <i>Synlett</i> , 2018, 29, 1465-1468.	1.8	17
6	A mild method for synthesizing carboxylic acids by oxidation of aldoximes using hypervalent iodine reagents. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 541-544.	2.8	13
7	Dehydroxymethyl Bromination of Alkoxybenzyl Alcohols by Using a Hypervalent Iodine Reagent and Lithium Bromide. <i>Synlett</i> , 2018, 29, 2275-2278.	1.8	4
8	Direct Synthesis of Chalcones from Anilides with Phenyl Vinyl Ketones by Oxidative Coupling Through C-H Bond Activation. <i>ACS Omega</i> , 2018, 3, 5375-5381.	3.5	4
9	Highly Discriminative and Chemoselective Deprotection/Transformations of Acetals with the Combination of Trialkylsilyl Triflate/2,4,6-Collidine. <i>Journal of Organic Chemistry</i> , 2018, 83, 6432-6443.	3.2	3
10	Transformation of Methylene Acetals to Bromoformates with a Combination of Trimethyl(phenylthio)silane and <i>N</i> -Bromosuccinimide. <i>Journal of Organic Chemistry</i> , 2017, 82, 7608-7613.	3.2	3
11	Catalyst-Dependent Selective Hydrogenation of Nitriles: Selective Synthesis of Tertiary and Secondary Amines. <i>Journal of Organic Chemistry</i> , 2017, 82, 10939-10944.	3.2	28
12	Synthesis of 3-acylindoles by oxidative rearrangement of 2-aminochalcones using a hypervalent iodine reagent and cyclization sequence. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6702-6705.	2.8	21
13	Versatile and chemoselective synthesis of fluorinated methyl ethers from methoxymethyl ethers. <i>Journal of Fluorine Chemistry</i> , 2017, 201, 1-6.	1.7	4
14	2-Arylquinoline Synthesis from Cbz-Protected 2-Aminochalcone Mediated by BF ₃ ·Et ₂ O. <i>Heterocycles</i> , 2017, 95, 608.	0.7	2
15	Decarboxylative Halogenation of Indolecarboxylic Acids Using Hypervalent Iodine(III) Reagent and Its Application to the Synthesis of Polybromoindoles. <i>Heterocycles</i> , 2015, 91, 561.	0.7	17
16	[Cu(OH)(TMEDA)] ₂ Cl ₂ -Catalyzed Regioselective 2-Arylation of 5-Substituted Tetrazoles with Boronic Acids under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2014, 79, 6703-6707.	3.2	53
17	Methylene Acetal Formation from 1,2- and 1,3-Diols Using an O,S-Acetal, 1,3-Dibromo-5,5-dimethylhydantoin, and BHT. <i>Journal of Organic Chemistry</i> , 2013, 78, 3384-3390.	3.2	14
18	Reaction via Pyridinium-type Salt Intermediate: Chemoselective Deprotection of Acetals in the Presence of Ketals and Nucleophilic Substitution. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 694-705.	0.1	4

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19	Method for the Efficient Synthesis of Highly-Substituted Oxetan- and Azetidin-, Dihydrofuran- and Pyrrolidin-3-ones and Its Application to the Synthesis of (±)-Pseudodectusin. <i>Organic Letters</i> , 2012, 14, 4798-4801.	4.6	26
20	Selective Deprotection of Methylene Acetal and MOM Ether in the Presence of Ketal-Type Protective Groups: Remarkable Effect of TBSOTf. <i>Heterocycles</i> , 2012, 86, 455.	0.7	7
21	Selective N-alkylation of amines using nitriles under hydrogenation conditions: facile synthesis of secondary and tertiary amines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 293-304.	2.8	51
22	Chemoselective hydrogenation using molecular sieves-supported Pd catalysts: Pd/MS3A and Pd/MS5A. <i>Tetrahedron</i> , 2012, 68, 8293-8299.	1.9	37
23	Platinum on Carbon-Catalyzed Hydrodefluorination of Fluoroarenes using Isopropyl Alcohol-Water-Sodium Carbonate Combination. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 777-782.	4.3	42
24	A Mild and Versatile Method for the Synthesis of Alkyl Ethers from Methoxymethyl Ethers and Application to the Preparation of Sterically Crowded Ethers. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1861-1866.	4.3	9
25	Effects of Phosphorus Substituents on Reactions of α -Alkoxyphosphonium Salts with Nucleophiles. <i>Chemistry - A European Journal</i> , 2012, 18, 11423-11432.	3.3	12
26	Direct conversion of acetals to esters with high regioselectivity via O,P-acetals. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5648.	2.8	10
27	(+)-Sorangicin A: evolution of a viable synthetic strategy. <i>Tetrahedron</i> , 2011, 67, 9809-9828.	1.9	32
28	Palladium on carbon-catalyzed solvent-free and solid-phase hydrogenation and Suzuki-Miyaura reaction. <i>Tetrahedron</i> , 2011, 67, 8628-8634.	1.9	43
29	Facile Hydrogenation of Ketones Catalyzed by Platinum on Carbon under Ordinary Pressures and Temperatures. <i>ChemCatChem</i> , 2011, 3, 1624-1628.	3.7	14
30	The reaction of acetal-type protective groups in combination with TMSOTf and 2,2'-bipyridyl; mild and chemoselective deprotection and direct conversion to other protective groups. <i>Tetrahedron</i> , 2011, 67, 2949-2960.	1.9	23
31	Mild Deprotection of Methylene Acetals in Combination with Trimethylsilyl Triflate-2,2'-Bipyridyl. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 426-428.	1.3	15
32	Palladium on charcoal-catalyzed ligand-free Stille coupling. <i>Tetrahedron</i> , 2010, 66, 8654-8660.	1.9	44
33	Ligand-Free and Heterogeneous Palladium on Carbon-Catalyzed Hetero-Suzuki-Miyaura Cross-Coupling. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 718-730.	4.3	93
34	Palladium on Carbon-Catalyzed Synthesis of Benzil Derivatives from 1,2-Diaryllkynes with DMSO and Molecular Oxygen as Dual Oxidants. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1630-1634.	4.3	70
35	Copper-Mediated Reductive Amination of Aryl Halides with Trimethylsilyl Azide. <i>Chemistry - A European Journal</i> , 2010, 16, 7372-7375.	3.3	34
36	Synthesis of deuterium-labelled drugs by hydrogen-deuterium ($H \rightarrow D$) exchange using heterogeneous catalysis. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2010, 53, 686-692.	1.0	44

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37	Palladium on carbon-catalyzed synthesis of 2- and 2,3-substituted indoles under heterogeneous conditions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3338.	2.8	44
38	Remarkable effect of phosphine on the reactivity of O,P-acetal—efficient substitution reaction of O,P-acetal. <i>Chemical Communications</i> , 2010, 46, 3976.	4.1	27
39	Copper/HP20: Novel and Polymer-Supported Copper Catalyst for Huisgen Cycloaddition. <i>Heterocycles</i> , 2009, 77, 521.	0.7	22
40	Bimetallic Palladium-Platinum-on-Carbon-Catalyzed H-D Exchange Reaction: Synergistic Effect on Multiple Deuterium Incorporation. <i>Synthesis</i> , 2009, 2009, 2674-2678.	2.3	6
41	Development of Molecular Sieves—Supported Palladium Catalyst and Chemoselective Hydrogenation of Unsaturated Bonds in the Presence of Nitro Groups. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2091-2095.	4.3	41
42	A Highly Active Heterogeneous Palladium Catalyst Supported on a Synthetic Adsorbent. <i>Chemistry - A European Journal</i> , 2009, 15, 834-837.	3.3	45
43	Efficient and Practical Arene Hydrogenation by Heterogeneous Catalysts under Mild Conditions. <i>Chemistry - A European Journal</i> , 2009, 15, 6953-6963.	3.3	129
44	Novel deprotection method of Fmoc group under neutral hydrogenation conditions. <i>Amino Acids</i> , 2009, 36, 493-499.	2.7	16
45	Pd(O)—polyethyleneimine complex as a partial hydrogenation catalyst of alkynes to alkenes. <i>Journal of Molecular Catalysis A</i> , 2009, 307, 77-87.	4.8	39
46	Iodobenzene Diacetate—Promoted N—N and N—O Bond Formation for Pyrazolo- and Isoxazolopyrimidine Syntheses. <i>Heterocycles</i> , 2009, 79, 669.	0.7	10
47	Novel Regiocontrolled Protection of 1,2- and 1,3-Diols via Mild Cleavage of Methylene Acetals. <i>Organic Letters</i> , 2009, 11, 5138-5141.	4.6	23
48	Remarkable effect of 2,2—bipyridyl: mild and highly chemoselective deprotection of methoxymethyl (MOM) ethers in combination with TMSOTf (TESOTf)—2,2—bipyridyl. <i>Chemical Communications</i> , 2009, , 4429.	4.1	34
49	Efficient and Convenient Heterogeneous Palladium—Catalyzed Regioselective Deuteration at the Benzylic Position. <i>Chemistry - A European Journal</i> , 2008, 14, 664-673.	3.3	74
50	Facile and Convenient Method of Deuterium Gas Generation Using a Pd/C—Catalyzed H ₂ —D ₂ Exchange Reaction and Its Application to Synthesis of Deuterium—Labeled Compounds. <i>Chemistry - A European Journal</i> , 2008, 14, 3371-3379.	3.3	66
51	Ligand—Free Sonogashira Coupling Reactions with Heterogeneous Pd/C as the Catalyst. <i>Chemistry - A European Journal</i> , 2008, 14, 6994-6999.	3.3	84
52	Partial Hydrogenation of Alkynes to <i>cis</i> —Olefins by Using a Novel Pd ⁰ —Polyethyleneimine Catalyst. <i>Chemistry - A European Journal</i> , 2008, 14, 5109-5111.	3.3	84
53	Mild and Efficient H/D Exchange of Alkanes Based on C—H Activation Catalyzed by Rhodium on Charcoal. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5394-5397.	13.8	71
54	Novel Palladium—Carbon/Diphenyl Sulfide Complex for Chemoselective Hydrogenation: Preparation, Characterization, and Application. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 406-410.	4.3	88

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55	A Convenient and Effective Method for the Regioselective Deuteration of Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2215-2218.	4.3	56
56	Evaluation of Aromatic Amination Catalyzed by Palladium on Carbon: A Practical Synthesis of Triarylaminines. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2767-2777.	4.3	54
57	Pd/C-Catalyzed Direct α -Oxygenation of 1,3-Dicarbonyl Compounds Using Molecular Oxygen. <i>Synlett</i> , 2008, 2008, 2291-2294.	1.8	6
58	H-D Exchange Reaction Taking Advantage of the Synergistic Effect of Heterogeneous Palladium and Platinum Mixed Catalyst. <i>Synthesis</i> , 2008, 2008, 1467-1478.	2.3	12
59	Efficient and Selective Pt/C-Catalyzed α -D Exchange Reaction of Aromatic Rings. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 278-286.	3.2	68
60	Ligand- and Base-Free Synthesis of 1,3-Diynes Catalyzed by Low Loading of Heterogeneous Pd/C and CuI. <i>Synlett</i> , 2007, 2007, 2521-2524.	1.8	5
61	Development of a Practical and Scalable Preparation using Sonication of Pd/Fibroin Catalyst for Chemoselective Hydrogenation. <i>Synthetic Communications</i> , 2007, 37, 4381-4388.	2.1	23
62	Pd/C(en) Catalyzed Chemoselective Hydrogenation in the Presence of Aryl Nitriles. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 837-839.	1.3	29
63	Novel Pd/C-Catalyzed Redox Reactions between Aliphatic Secondary Alcohols and Ketones under Hydrogenation Conditions: A Application to α -D Exchange Reaction and the Mechanistic Study. <i>Journal of Organic Chemistry</i> , 2007, 72, 2143-2150.	3.2	54
64	An Efficient Deuteration Method Catalyzed by Heterogeneous Platinum Group Metals. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2007, 65, 1179-1190.	0.1	10
65	Mechanistic Study of a Pd/C-Catalyzed Reduction of Aryl Sulfonates Using the Mg- α -MeOH- α -NH ₄ OAc System. <i>Chemistry - A European Journal</i> , 2007, 13, 1432-1441.	3.3	39
66	Efficient H/D Exchange Reactions of Alkyl-Substituted Benzene Derivatives by Means of the Pd/C- α -H ₂ - α -D ₂ O System. <i>Chemistry - A European Journal</i> , 2007, 13, 4052-4063.	3.3	69
67	Heterogeneous Pd/C-Catalyzed Ligand-Free, Room-Temperature Suzuki-Miyaura Coupling Reactions in Aqueous Media. <i>Chemistry - A European Journal</i> , 2007, 13, 5937-5943.	3.3	231
68	Palladium on carbon-diethylamine-mediated hydrodeoxygenation of phenol derivatives under mild conditions. <i>Tetrahedron</i> , 2007, 63, 1270-1280.	1.9	26
69	Heterogeneous Pd/C-catalyzed ligand-free Suzuki-Miyaura coupling reaction using aryl boronic esters. <i>Tetrahedron</i> , 2007, 63, 10596-10602.	1.9	79
70	Pd/C-Catalyzed Deoxygenation of Phenol Derivatives Using Mg Metal and MeOH in the Presence of NH ₄ OAc. <i>Organic Letters</i> , 2006, 8, 987-990.	4.6	53
71	Pd/C-Catalyzed Chemoselective Hydrogenation in the Presence of Diphenylsulfide. <i>Organic Letters</i> , 2006, 8, 3279-3281.	4.6	137
72	Pd/C- α -Et ₃ N-mediated catalytic hydrodechlorination of aromatic chlorides under mild conditions. <i>Tetrahedron</i> , 2006, 62, 7926-7933.	1.9	95

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73	General method of obtaining deuterium-labeled heterocyclic compounds using neutral D ₂ O with heterogeneous Pd/C. <i>Tetrahedron</i> , 2006, 62, 10954-10961.	1.9	83
74	Chemoselective hydrogenation method catalyzed by Pd/C using diphenylsulfide as a reasonable catalyst poison. <i>Tetrahedron</i> , 2006, 62, 11925-11932.	1.9	88
75	Synergistic Effect of a Palladium-on-Carbon/Platinum-on-Carbon Mixed Catalyst in Hydrogen/Deuterium Exchange Reactions of Alkyl-Substituted Aromatic Compounds. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1025-1028.	4.3	54
76	A Mild and Facile Method for Complete Hydrogenation of Aromatic Nuclei in Water. <i>Synlett</i> , 2006, 2006, 1440-1442.	1.8	6
77	Aromatic ring favorable and efficient H ² /D exchange reaction catalyzed by Pt/C. <i>Tetrahedron Letters</i> , 2005, 46, 6995-6998.	1.4	89
78	Synthesis of Base-selectively Deuterium-labelled Nucleosides by the Pd/C-catalyzed H-D Exchange Reaction in Deuterium Oxide. <i>Heterocycles</i> , 2005, 66, 361.	0.7	28
79	Palladium-Catalyzed Base-Selective H-D Exchange Reaction of Nucleosides in Deuterium Oxide. <i>Synlett</i> , 2005, 2005, 1385-1388.	1.8	54
80	Facile and Efficient Postsynthetic Tritium Labeling Method Catalyzed by Pd/C in HTO. <i>Journal of Organic Chemistry</i> , 2005, 70, 10581-10583.	3.2	15
81	Complete Replacement of H ₂ by D ₂ via Pd/C-Catalyzed H/D Exchange Reaction. <i>Organic Letters</i> , 2004, 6, 3521-3523.	4.6	66
82	Efficient C ² H/C ² D Exchange Reaction on the Alkyl Side Chain of Aromatic Compounds Using Heterogeneous Pd/C in D ₂ O. <i>Organic Letters</i> , 2004, 6, 1485-1487.	4.6	93
83	A novel and direct synthesis of alkylated 2,2-bithiophene derivatives using a combination of hypervalent iodine(III) reagent and BF ₃ ·Et ₂ O. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1647-1649.	2.8	55
84	Novel and efficient oxidative biaryl coupling reaction of alkylarenes using a hypervalent iodine(III) reagent. <i>Tetrahedron Letters</i> , 2002, 43, 9241-9244.	1.4	53
85	Hypervalent Iodine(V)-Induced Asymmetric Oxidation of Sulfides to Sulfoxides Mediated by Reversed Micelles: A Novel Nonmetallic Catalytic System. <i>Journal of Organic Chemistry</i> , 1999, 64, 3519-3523.	3.2	127
86	One-pot Synthetic Approaches for the Construction of Isochroman-4-ones and Benzoxazin-3-ones Using O,P-Acetals. <i>Synthesis</i> , 0, 53, .	2.3	0
87	The Reaction of Ketoximes with Hypervalent Iodine Reagents: Beckmann Rearrangement and Hydrolysis to Ketones. <i>Synthesis</i> , 0, , .	2.3	3