

Tatsushi Imahori

List of Publications by Year in descending order

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32
papers

1,055
citations

361413

20
h-index

454955

30
g-index

47
all docs

47
docs citations

47
times ranked

1221
citing authors

#	ARTICLE	IF	CITATIONS
1	Regiocontrolled deprotonative-zincation of bromopyridines using amino zincates. <i>Chemical Communications</i> , 2001, , 2450-2451.	4.1	99
2	Functionalization of Alkynes Catalyzed by t-Bu-P4 Base. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1090-1092.	4.3	87
3	A New Strategy for Deprotonative Functionalization of Aromatics: Transformations with Excellent Chemoselectivity and Unique Regioselectivities Using t-Bu-P4 Base. <i>Journal of the American Chemical Society</i> , 2003, 125, 8082-8083.	13.7	76
4	1-Butyl-1,4-dideoxy-1,4-imino- β -D-arabinofuranose as a Second-Generation Iminosugar-Based Oral α -Glucosidase Inhibitor for Improving Postprandial Hyperglycemia. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10347-10362.	6.4	72
5	In vitro inhibition of glycogen-degrading enzymes and glycosidases by six-membered sugar mimics and their evaluation in cell cultures. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7330-7336.	3.0	58
6	Azobenzene-ethered Bis(Trityl Alcohol) as a Photoswitchable Cooperative Acid Catalyst for Morita-Baylis-Hillman Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 10802-10807.	3.3	57
7	Acceleration Effect of an Allylic Hydroxy Group on Ring-Closing Enyne Metathesis of Terminal Alkynes: Scope, Application, and Mechanistic Insights. <i>Chemistry - A European Journal</i> , 2008, 14, 10762-10771.	3.3	56
8	An Alternative Approach to β -Arylation of Phenol: Palladium-Catalyzed Tandem β -Arylation/Aromatization of 2-Cyclohexen-1-one Derivatives. <i>Organic Letters</i> , 2012, 14, 1172-1175.	4.6	56
9	Base-catalyzed Schmitt cycloisomerization of o-phenylenediyne-linked bis(arene)s to indeno[1,2-c]chromenes. <i>Tetrahedron Letters</i> , 2013, 54, 7107-7110.	1.4	52
10	Docking study and biological evaluation of pyrrolidine-based iminosugars as pharmacological chaperones for Gaucher disease. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1039-1048.	2.8	46
11	The synthesis and biological evaluation of 1-C-alkyl- β -D-arabinoimino-furanoses, a novel class of α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 738-741.	2.2	39
12	Synthesis of both enantiomers of hydroxypipercolic acid derivatives equivalent to 5-azapyranuronic acids and evaluation of their inhibitory activities against glycosidases. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8273-8286.	3.0	38
13	Acceleration effect of allylic hydroxy group on ring-closing enyne metathesis of terminal alkynes: scope and application to the synthesis of isofagomine. <i>Tetrahedron Letters</i> , 2008, 49, 265-268.	1.4	34
14	Stimuli-responsive Cooperative Catalysts Based on Dynamic Conformational Changes toward Spatiotemporal Control of Chemical Reactions. <i>Chemistry Letters</i> , 2014, 43, 1524-1531.	1.3	31
15	Development of a new Lewis base-tolerant chiral LBA and its application to catalytic asymmetric protonation reaction. <i>Chemical Communications</i> , 2010, 46, 6980.	4.1	30
16	Synthesis and Stereochemical Behavior of a New Chiral Oxa[7]heterohelicene. <i>Chemistry Letters</i> , 2011, 40, 1343-1345.	1.3	29
17	Stereoselective Intramolecular Dearomatization [4+2] Cycloaddition of Linked Ethynyl-naphthol-Benzofuran Systems. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6914-6918.	2.4	27
18	Catalytic Aromatic Borylation via in situ-Generated Borenium Species. <i>Heterocycles</i> , 2017, 95, 158.	0.7	23

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19	Fluorous Synthesis of Yuehchukene by α -Lithiation of Perfluoroalkyl-Tagged α -(Arylsulfonyl)indole with Mesityllithium. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4635-4637.	2.4	22
20	A New Entry to Carbocyclic Nucleosides: Oxidative Coupling Reaction of Cycloalkenylsilanes with a Nucleobase Mediated by Hypervalent Iodine Reagent. <i>Organic Letters</i> , 2008, 10, 3449-3452.	4.6	22
21	Asymmetric Synthesis of All Stereoisomers of Isofagomine Using [2,3]-Wittig Rearrangement. <i>Heterocycles</i> , 2007, 72, 633.	0.7	21
22	Palladium-catalyzed Tandem Cyclodehydrogenation of <i>o</i> -Phenylenediyne-linked Bis(arene)s to Produce Benzodifuran-containing Condensed Heteroaromatic Ring Systems. <i>Chemistry Letters</i> , 2013, 42, 1134-1136.	1.3	18
23	NMR Spectroscopic Observation of a Metal-Free Acetylide Anion. <i>Chemistry - an Asian Journal</i> , 2006, 1, 581-585.	3.3	12
24	Asymmetric Synthesis of the Antiepileptic Drug Levetiracetam. <i>Heterocycles</i> , 2008, 76, 1627.	0.7	12
25	Asymmetric Synthesis of 2-Propylisofagomine Using Allylic Hydroxy Group Accelerated Ring-Closing Enyne Metathesis. <i>Heterocycles</i> , 2012, 84, 929.	0.7	9
26	Synthesis and Stereochemical Properties of Chiral Hetero[7]helicenes Structured by a Benzodiheterole Ring Core. <i>Chemistry Letters</i> , 2017, 46, 1214-1216.	1.3	9
27	Deprotonative Zincation of Heteroaromatics Using ZnI ₂ and tert-Bu-P4 Base. <i>Heterocycles</i> , 2008, 76, 1057.	0.7	7
28	Development of Stereoselective Synthesis of Biologically Active Nitrogen-heterocyclic Compounds: Applications for Syntheses of Natural Product and Organocatalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 335-349.	0.1	7
29	Azobenzene derivatives show anti-cancer activity against pancreatic cancer cells only under nutrient starvation conditions via G0/G1 cell cycle arrest. <i>Tetrahedron</i> , 2021, 85, 132077.	1.9	3
30	A Novel Deprotonative Functionalization of Aromatics with Phosphazene Base. <i>ChemInform</i> , 2005, 36, no.	0.0	0
31	Stimuli-responsive Cooperative Catalysts Based on Dynamic Conformational Changes toward Spatiotemporal Control of Chemical Reactions. <i>Chemistry Letters</i> , 2015, 44, 223-223.	1.3	0
32	Synthesis, stereochemical characteristics, and coordination behavior of 2,2'-binaphthyl-1,1'-biisoquinoline as a new axially chiral bidentate ligand. <i>Arkivoc</i> , 2015, 2015, 161-175.	0.5	0