

Hiroshi Naka

List of Publications by Year in descending order

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55
papers

1,716
citations

279798

23
h-index

289244

40
g-index

78
all docs

78
docs citations

78
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	An Aluminum Ate Base: Its Design, Structure, Function, and Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2007, 129, 1921-1930.	13.7	184
2	Regio- and Chemoselective Direct Generation of Functionalized Aromatic Aluminum Compounds Using Aluminum Ate Base. <i>Journal of the American Chemical Society</i> , 2004, 126, 10526-10527.	13.7	140
3	Hydration of Terminal Alkynes Catalyzed by Water-Soluble Cobalt Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 50-53.	13.7	131
4	N-Methylation of Amines with Methanol at Room Temperature. <i>Organic Letters</i> , 2015, 17, 2530-2533.	4.6	112
5	On the Kinetic and Thermodynamic Reactivity of Lithium Di(alkyl)amidozincate Bases in Directed Ortho Metalation. <i>Journal of the American Chemical Society</i> , 2007, 129, 12734-12738.	13.7	91
6	Regio- and Chemoselective Direct Generation of Functionalized Aromatic Aluminum Compounds Using Aluminum Ate Base.. <i>ChemInform</i> , 2004, 35, no.	0.0	89
7	Mixed Alkylamido Aluminate as a Kinetically Controlled Base. <i>Journal of the American Chemical Society</i> , 2008, 130, 16193-16200.	13.7	74
8	Organozinc Reagents in DMSO Solvent: Remarkable Promotion of S _N 2 Reaction for Allene Synthesis. <i>Organic Letters</i> , 2008, 10, 3375-3377.	4.6	51
9	Hydration of nitriles to amides by a chitin-supported ruthenium catalyst. <i>RSC Advances</i> , 2015, 5, 12152-12160.	3.6	49
10	Nucleophilic aromatic substitution using Et ₃ SiH/cat. t-Bu-P ₄ as a system for nucleophile activation. <i>Chemical Communications</i> , 2007, , 2264.	4.1	48
11	One-Pot Nitrile Aldolization/Hydration Operation Giving β -Hydroxy Carboxamides. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1740-1743.	3.3	44
12	Photocatalytic N-Methylation of Amines over Pd/TiO ₂ for the Functionalization of Heterocycles and Pharmaceutical Intermediates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15419-15424.	6.7	44
13	N-Alkylation of functionalized amines with alcohols using a copper-gold mixed photocatalytic system. <i>Scientific Reports</i> , 2018, 8, 6931.	3.3	38
14	Catalytic Deprotonative Functionalization of Propargyl Silyl Ethers with Imines. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1901-1906.	4.3	36
15	Chiral β -Arene-N-Tosylethylenediamine-Ruthenium(II) Complexes: Solution Behavior and Catalytic Activity for Asymmetric Hydrogenation. <i>Chemistry - an Asian Journal</i> , 2010, 5, 806-816.	3.3	36
16	Chiral Bisphosphazides as Dual Basic Enantioselective Catalysts. <i>Chemistry - A European Journal</i> , 2008, 14, 5267-5274.	3.3	34
17	Catalytic Transfer Hydration of Cyanohydrins to β -Hydroxyamides. <i>Journal of the American Chemical Society</i> , 2019, 141, 825-830.	13.7	33
18	Encapsulation of hydride by molecular main group metal clusters: manipulating the source and coordination sphere of the interstitial ion. <i>Dalton Transactions</i> , 2006, , 5574-5582.	3.3	32

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19	Suppressing the Anionic Fries Rearrangement of Aryl Dialkylcarbamates; the Isolation of a Crystalline <i>ortho</i> -Deprotonated Carbamate. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 644-647.	2.4	32
20	Induction of metallothionein isoforms by copper diethyldithiocarbamate in cultured vascular endothelial cells. <i>Journal of Toxicological Sciences</i> , 2016, 41, 225-232.	1.5	31
21	Why <i>p</i> -Cymene? Conformational Effect in Asymmetric Hydrogenation of Aromatic Ketones with a ⁶ -Arene/Ruthenium(II) Catalyst. <i>Chemistry - an Asian Journal</i> , 2015, 10, 112-115.	3.3	29
22	Redox-Selective Generation of Aldehydes and H ₂ from Alcohols under Visible Light. <i>Chemistry - A European Journal</i> , 2013, 19, 9452-9456.	3.3	28
23	Copper diethyldithiocarbamate as an activator of Nrf2 in cultured vascular endothelial cells. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 263-273.	2.6	26
24	Fluorous Synthesis of Yuehchukene by β -Lithiation of Perfluoroalkyl-Tagged <i>o</i> -(Arylsulfonyl)indole with Mesityllithium. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4635-4637.	2.4	22
25	Activation of organozinc reagents with t-Bu-P4 base for transition metal-free catalytic SN ² reaction. <i>Chemical Communications</i> , 2008, , 3780.	4.1	20
26	Selective hydrogenation of arenes to cyclohexanes in water catalyzed by chitin-supported ruthenium nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 5801-5805.	4.1	20
27	Pd/TiO ₂ -Photocatalyzed Self-Condensation of Primary Amines To Afford Secondary Amines at Ambient Temperature. <i>Organic Letters</i> , 2019, 21, 341-344.	4.6	19
28	Acceptor-Controlled Transfer Dehydration of Amides to Nitriles. <i>Organic Letters</i> , 2019, 21, 4767-4770.	4.6	18
29	Copper(II) Bis(diethyldithiocarbamate) Induces the Expression of Syndecan-4, a Transmembrane Heparan Sulfate Proteoglycan, via p38 MAPK Activation in Vascular Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3302.	4.1	17
30	Zinc diethyldithiocarbamate as an inducer of metallothionein in cultured vascular endothelial cells. <i>Journal of Toxicological Sciences</i> , 2016, 41, 217-224.	1.5	16
31	Photocatalytic Transfer Hydrogenolysis of Allylic Alcohols on Pd/TiO ₂ : A Shortcut to <i>S</i> -Lavandulol. <i>Chemistry - A European Journal</i> , 2017, 23, 18025-18032.	3.3	15
32	Recent advances in transfer hydration of nitriles with amides or aldoximes. <i>Tetrahedron Letters</i> , 2020, 61, 151557.	1.4	15
33	S _N ² Reaction of Organozinc Reagents Activated by Catalytic <i>t</i> -Bu-P4 Base in the Presence of LiCl. <i>Chemistry - A European Journal</i> , 2009, 15, 9805-9809.	3.3	14
34	Synthesis of propylene from renewable allyl alcohol by photocatalytic transfer hydrogenolysis. <i>Catalysis Science and Technology</i> , 2014, 4, 4093-4098.	4.1	14
35	Dehydrogenation of Primary Aliphatic Alcohols by Au/TiO ₂ Photocatalysts. <i>Chemistry Letters</i> , 2017, 46, 580-582.	1.3	13
36	Theoretical Studies on <i>ortho</i> -Oxidation of Phenols with Dioxygen Mediated by Dicopper Complex: Hints for a Catalyst with the Phenolase Activity of Tyrosinase. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 595-600.	4.3	12

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37	A versatile synthesis of triarylantimony difluorides by fluorination of triarylstibanes with nitrosyl tetrafluoroborate and their antitumor activity. <i>Journal of Fluorine Chemistry</i> , 2017, 199, 1-6.	1.7	12
38	Generation of arylzinc reagents through an iodine-zinc exchange reaction promoted by a non-metallic organic superbase. <i>New Journal of Chemistry</i> , 2010, 34, 1700.	2.8	9
39	A Fluorinated Cobalt(III) Porphyrin Complex for Hydroalkoxylation of Alkynes. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 1000-1003.	1.3	9
40	Copper diethyldithiocarbamate as an inhibitor of tissue plasminogen activator synthesis in cultured human coronary endothelial cells. <i>Journal of Toxicological Sciences</i> , 2017, 42, 553-558.	1.5	9
41	Pd-Catalyzed β -Selective C-H Arylation of Thiophenes with Triarylantimony Difluorides. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 138-143.	2.7	9
42	Transcriptional Induction of Cystathionine β -Lyase, a Reactive Sulfur-Producing Enzyme, by Copper Diethyldithiocarbamate in Cultured Vascular Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6053.	4.1	8
43	Reverse Photochromic Behavior of an Iron-Magnesium Complex. <i>Inorganic Chemistry</i> , 2007, 46, 1039-1041.	4.0	7
44	Bis(l-cysteinato)zincate(II) as a coordination compound that induces metallothionein gene transcription without inducing cell-stress-related gene transcription. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 140-146.	3.5	6
45	Photocatalytic hydrogenolysis of allylic alcohols for rapid access to platform chemicals and fine chemicals. <i>Pure and Applied Chemistry</i> , 2018, 90, 167-174.	1.9	6
46	Solid-phase synthesis of phthalocyanine and tetraazaporphyrin triangular prisms. <i>Tetrahedron Letters</i> , 2008, 49, 5084-5086.	1.4	5
47	Acetals of <i>N,N</i> -Dimethylformamides: Ambiphilic Behavior in Converting Carbon Dioxide to Dialkyl Carbonates. <i>Chemistry Letters</i> , 2013, 42, 146-147.	1.3	4
48	Transfer Hydration of Dinitriles to Dicarboxamides. <i>Synlett</i> , 2019, 30, 1977-1980.	1.8	3
49	Preparation of a platinum nanoparticle catalyst located near photocatalyst titanium oxide and its catalytic activity to convert benzyl alcohols to the corresponding ethers. <i>RSC Advances</i> , 2021, 11, 22230-22237.	3.6	2
50	Aluminum Halides (Update 2010). , 2011, , .		0
51	Trivalent Aluminum Trihydride-Amine Complexes. , 2010, , 1.		0
52	Aluminum Bromide with Organosilicon Halides. , 2010, , 1.		0
53	Aluminum Halides with Amino Ligands. , 2010, , 1.		0
54	Sodium Bis(2-methoxyethoxy)aluminum Hydride with Pyrrolidine and Potassium Butoxide. , 2010, , 1.		0

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55	Aluminum Hydrides (Update 2010). , 2011, , .		0