Tomoo Mizugaki

List of Publications by Year
in descending order

201	12,265	19636 61	29127 104
papers	citations	h-index	g-index

284	284	284	8986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphorus-Alloying as a Powerful Method for Designing Highly Active and Durable Metal Nanoparticle Catalysts for the Deoxygenation of Sulfoxides: Ligand and Ensemble Effects of Phosphorus. Jacs Au, 2022, 2, 419-427.	3.6	12
2	Selective Hydrodeoxygenation of Esters to Unsymmetrical Ethers over a Zirconium Oxide-Supported Ptâ€“Mo Catalyst. Jacs Au, 2022, 2, 665-672.	3.6	12
3	H 2 â€Free Selective Dehydroxymethylation of Primary Alcohols over Palladium Nanoparticle Catalysts. ChemCatChem, 2021, 13, 1135-1139.	1.8	4
4	Ni₂P Nanoalloy as an Airâ€Stable and Versatile Hydrogenation Catalyst in Water: Pâ€Alloying Strategy for Designing Smart Catalysts. Chemistry - A European Journal, 2021, 27, 4439-4446.	1.7	18
5	Air-Stable and Reusable Cobalt Phosphide Nanoalloy Catalyst for Selective Hydrogenation of Furfural Derivatives. ACS Catalysis, 2021, 11, 750-757.	5.5	60
6	A copper nitride catalyst for the efficient hydroxylation of aryl halides under ligand-free conditions. Organic and Biomolecular Chemistry, 2021, 19, 6593-6597.	1.5	7
7	Support-Boosted Nickel Phosphide Nanoalloy Catalysis in the Selective Hydrogenation of Maltose to Maltitol. ACS Sustainable Chemistry and Engineering, 2021, 9, 6347-6354.	3.2	19
8	Single-Crystal Cobalt Phosphide Nanorods as a High-Performance Catalyst for Reductive Amination of Carbonyl Compounds. Jacs Au, 2021, 1, 501-507.	3.6	34
9	A nickel phosphide nanoalloy catalyst for the C-3 alkylation of oxindoles with alcohols. Scientific Reports, 2021, 11, 10673.	1.6	10
10	Efficient Dâ€Xylose Hydrogenation to Dâ€Xylitol over a Hydrotalciteâ€Supported Nickel Phosphide Nanoparticle Catalyst. European Journal of Inorganic Chemistry, 2021, 2021, 3327-3331.	1.0	9
11	Hydrotalcite-Supported Cobalt Phosphide Nanorods as a Highly Active and Reusable Heterogeneous Catalyst for Ammonia-Free Selective Hydrogenation of Nitriles to Primary Amines. ACS Sustainable Chemistry and Engineering, 2021, 9, 11238-11246.	3.2	16
12	Air-stable and reusable nickel phosphide nanoparticle catalyst for the highly selective hydrogenation of <scp>d</scp>-glucose to <scp>d</scp>-sorbitol. Green Chemistry, 2021, 23, 2010-2016.	4.6	34
13	Nickel phosphide nanoalloy catalyst for the selective deoxygenation of sulfoxides to sulfides under ambient H₂ pressure. Organic and Biomolecular Chemistry, 2020, 18, 8827-8833.	1.5	18
14	A cobalt phosphide catalyst for the hydrogenation of nitriles. Chemical Science, 2020, 11, 6682-6689.	3.7	66
15	Unique Catalysis of Nickel Phosphide Nanoparticles to Promote the Selective Transformation of Biofuranic Aldehydes into Diketones in Water. ACS Catalysis, 2020, 10, 4261-4267.	5.5	71
16	Air-stable and reusable cobalt ion-doped titanium oxide catalyst for alkene hydrosilylation. Green Chemistry, 2019, 21, 4566-4570.	4.6	14
17	Efficient Synthesis of Benzofurans via Crossâ€Coupling of Catechols with Hydroxycoumarins Using O₂ as an Oxidant Catalyzed by AlPO₄â€Supported Rh Nanoparticle. ChemistrySelect, 2019, 4, 11394-11397.	0.7	4
18	Design of high-performance heterogeneous catalysts using hydrotalcite for selective organic transformations. Green Chemistry, 2019, 21, 1361-1389.	4.6	61

#	Article	IF	Citations
19	Development of High Performance Heterogeneous Catalysts for Selective Cleavage of Câ”O and Câ”C Bonds of Biomassâ€Derived Oxygenates. Chemical Record, 2019, 19, 1179-1198.	2.9	22
20	Synthesis of glycol diesters through the depolymerization of polyethylene glycols with carboxylic acids using a proton-exchanged montmorillonite catalyst. Tetrahedron Letters, 2018, 59, 832-835.	0.7	2
21	Oxidative cross-coupling reaction of catechols with active methylene compounds in an aqueous medium using an AlPO‹sub›4‹/sub›-supported Ru catalyst. Catalysis Science and Technology, 2018, 8, 5401-5405.	2.1	4
22	Effective management of polyethers through depolymerization to symmetric and unsymmetric glycol diesters using a proton-exchanged montmorillonite catalyst. Green Chemistry, 2017, 19, 2612-2619.	4.6	7
23	A Titanium Dioxide Supported Gold Nanoparticle Catalyst for the Selective Nâ€Formylation of Functionalized Amines with Carbon Dioxide and Hydrogen. ChemCatChem, 2017, 9, 3632-3636.	1.8	53
24	Design of High-Performance Heterogeneous Catalysts using Apatite Compounds for Liquid-Phase Organic Syntheses. ACS Catalysis, 2017, 7, 920-935.	5.5	33
25	New Routes for Refinery of Biogenic Platform Chemicals Catalyzed by Cerium Oxide-supported Ruthenium Nanoparticles in Water. Scientific Reports, 2017, 7, 14007.	1.6	15
26	Mild Hydrogenation of Amides to Amines over a Platinumâ€Vanadium Bimetallic Catalyst. Angewandte Chemie, 2017, 129, 9509-9513.	1.6	20
27	Mild Hydrogenation of Amides to Amines over a Platinumâ€Vanadium Bimetallic Catalyst. Angewandte Chemie - International Edition, 2017, 56, 9381-9385.	7.2	73
28	A dual-functional heterogeneous ruthenium catalyst for the green one-pot synthesis of biphenols. Catalysis Science and Technology, 2017, 7, 3205-3209.	2.1	4
29	On-demand Hydrogen Production from Organosilanes at Ambient Temperature Using Heterogeneous Gold Catalysts. Scientific Reports, 2016, 6, 37682.	1.6	14
30	Synthesis of tetraline derivatives through depolymerization of polyethers with aromatic compounds using a heterogeneous titanium-exchanged montmorillonite catalyst. RSC Advances, 2016, 6, 89231-89233.	1.7	4
31	One-Pot Transformation of Levulinic Acid to 2-Methyltetrahydrofuran Catalyzed by Ptâ€“Mo/H-Î² in Water. ACS Sustainable Chemistry and Engineering, 2016, 4, 682-685.	3.2	71
32	Green, Multiâ€Gram Oneâ€Step Synthesis of Coreâ€“Shell Nanocomposites in Water and Their Catalytic Application to Chemoselective Hydrogenations. Chemistry - A European Journal, 2016, 22, 17962-17966.	1.7	20
33	Depolymerization of Polyethers to Chloroesters Using Heterogeneous Proton-exchanged Montmorillonite Catalyst. ChemistrySelect, 2016, 1, 201-204.	0.7	3
34	Design of Core-Pd/Shell-Ag Nanocomposite Catalyst for Selective Semihydrogenation of Alkynes. ACS Catalysis, 2016, 6, 666-670.	5.5	138
35	O2-enhanced Catalytic Activity of Gold Nanoparticles in Selective Oxidation of Hydrosilanes to Silanols. Chemistry Letters, 2015, 44, 1062-1064.	0.7	21
36	Highly Efficient Dehydrogenative Coupling of Hydrosilanes with Amines or Amides Using Supported Gold Nanoparticles. Chemistry - A European Journal, 2015, 21, 3202-3205.	1.7	19

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37	Selective Câ€“C Coupling Reaction of Dimethylphenol to Tetramethyldiphenoquinone Using Molecular Oxygen Catalyzed by Cu Complexes Immobilized in Nanospaces of Structurally-Ordered Materials. Molecules, 2015, 20, 3089-3106.	1.7	7
38	One-step Synthesis of Core-Gold/Shell-Ceria Nanomaterial and Its Catalysis for Highly Selective Semihydrogenation of Alkynes. Journal of the American Chemical Society, 2015, 137, 13452-13455.	6.6	185
39	Selective hydrogenation of levulinic acid to 1,4-pentanediol in water using a hydroxyapatite-supported Ptâ€“Mo bimetallic catalyst. Green Chemistry, 2015, 17, 5136-5139.	4.6	128
40	Highly Efficient and Selective Transformations of Glycerol Using Reusable Heterogeneous Catalysts. ACS Sustainable Chemistry and Engineering, 2014, 2, 574-578.	3.2	22
41	Hydrogenation of Sulfoxides to Sulfides under Mild Conditions Using Ruthenium Nanoparticle Catalysts. Angewandte Chemie - International Edition, 2014, 53, 8348-8351.	7.2	54
42	Selective synthesis of Rh5 carbonyl clusters within a polyamine dendrimer for chemoselective reduction of nitro aromatics. Chemical Communications, 2014, 50, 6526.	2.2	17
43	Direct Transformation of Furfural to 1,2-Pentanediol Using a Hydrotalcite-Supported Platinum Nanoparticle Catalyst. ACS Sustainable Chemistry and Engineering, 2014, 2, 2243-2247.	3.2	131
44	Highly Efficient Deoxygenation of Sulfoxides Using Hydroxyapatite-supported Ruthenium Nanoparticles. Chemistry Letters, 2014, 43, 420-422.	0.7	19
45	Highly atom-efficient and chemoselective reduction of ketones in the presence of aldehydes using heterogeneous catalysts. Green Chemistry, 2013, 15, 2695.	4.6	11
46	Regioselective oxidative coupling of 2,6-dimethylphenol to tetramethyldiphenoquinone using polyamine dendrimer-encapsulated Cu catalysts. RSC Advances, 2013, 3, 9662.	1.7	8
47	Highly Efficient Etherification of Silanes by Using a Gold Nanoparticle Catalyst: Remarkable Effect of O₂. Chemistry - A European Journal, 2013, 19, 14398-14402.	1.7	30
48	Gold nanoparticle-catalyzed cyclocarbonylation of 2-aminophenols. Green Chemistry, 2013, 15, 608.	4.6	24
49	Metalâ€“Ligand Coreâ€“Shell Nanocomposite Catalysts for the Selective Semihydrogenation of Alkynes. Angewandte Chemie - International Edition, 2013, 52, 1481-1485.	7.2	140
50	Simple and clean synthesis of ketones from internal olefins using PdCl2/N,N-dimethylacetamide catalyst system. Tetrahedron Letters, 2013, 54, 1596-1598.	0.7	33
51	Investigation of size-dependent properties of sub-nanometer palladium clusters encapsulated within a polyamine dendrimer. Chemical Communications, 2013, 49, 167-169.	2.2	31
52	Highly Atomâ€Efficient Oxidation of Electronâ€Deficient Internal Olefins to Ketones Using a Palladium Catalyst. Angewandte Chemie - International Edition, 2013, 52, 5961-5964.	7.2	49
53	Simple and Efficient 1,3â€Isomerization of Allylic Alcohols using a Supported Monomeric Vanadiumâ€Oxide Catalyst. ChemCatChem, 2013, 5, 2879-2882.	1.8	2
54	Highly Selective Hydrogenolysis of Glycerol to 1,3â€Propanediol over a Boehmiteâ€Supported Platinum/Tungsten Catalyst. ChemSusChem, 2013, 6, 1345-1347.	3.6	155

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55	Coreâ€“Shell AgNP@CeO₂ Nanocomposite Catalyst for Highly Chemoselective Reductions of Unsaturated Aldehydes. Chemistry - A European Journal, 2013, 19, 5255-5258.	1.7	60
56	Size Selective Synthesis of Subnano Pd Clusters Using Core [Poly(propylene imine)]â€“Shell [Poly(benzyl) Tj ETQq0 0 0 rgBT /Overlock 1	0.7	1
57	Selective Hydrogenolysis of Glycerol to 1,2-Propanediol Using Heterogeneous Copper Nanoparticle Catalyst Derived from Cuâ€“Al Hydrotalcite. Chemistry Letters, 2013, 42, 729-731.	0.7	24
58	Remarkable Effect of Bases on Coreâ€“Shell AgNP@CeO2 Nanocomposite-catalyzed Highly Chemoselective Reduction of Unsaturated Aldehydes. Chemistry Letters, 2013, 42, 660-662.	0.7	14
59	Selective Hydrogenolysis of Glycerol to 1,3-Propanediol Catalyzed by Pt Nanoparticlesâ€“AlOx/WO3. Chemistry Letters, 2012, 41, 1720-1722.	0.7	56
60	Novel Catalysis in the Internal Nanocavity of Polyamine Dendrimer for Intramolecular Michael Reaction. Chemistry Letters, 2012, 41, 801-803.	0.7	6
61	INTRAMOLECULAR CYCLIZATION OF Î³-ACETYLENIC ACIDS USING DENDRIMER-ENCAPSULATED Pd2+ CATALYSTS. Heterocycles, 2012, 86, 947.	0.4	6
62	Highly Efficient Condensation of Glycerol to Cyclic Acetals Catalyzed by Titanium-Exchanged Montmorillonite. Heterocycles, 2012, 84, 371.	0.4	13
63	Unique catalysis of gold nanoparticles in the chemoselective hydrogenolysis with H2: cooperative effect between small gold nanoparticles and a basic support. Chemical Communications, 2012, 48, 6723.	2.2	26
64	Highly efficient double-carbonylation of amines to oxamides using gold nanoparticle catalysts. Chemical Communications, 2012, 48, 11733.	2.2	20
65	Titanium cation-exchanged montmorillonite as an active heterogeneous catalyst for the Beckmann rearrangement under mild reaction conditions. Tetrahedron Letters, 2012, 53, 5211-5214.	0.7	19
66	Direct synthesis of unsymmetrical ethers from alcohols catalyzed by titanium cation-exchanged montmorillonite. Green Chemistry, 2012, 14, 610.	4.6	33
67	Design of a Silverâ€“Cerium Dioxide Coreâ€“Shell Nanocomposite Catalyst for Chemoselective Reduction Reactions. Angewandte Chemie - International Edition, 2012, 51, 136-139.	7.2	258
68	Back Cover: Design of a Silver-Cerium Dioxide Core-Shell Nanocomposite Catalyst for Chemoselective Reduction Reactions (Angew. Chem. Int. Ed. 1/2012). Angewandte Chemie - International Edition, 2012, 51, 278-278.	7.2	2
69	Rhodium-grafted hydrotalcite catalyst for heterogeneous 1,4-addition reaction of organoboron reagents to electron deficient olefins. Green Chemistry, 2011, 13, 2416.	4.6	23
70	Subnanoscale Size Effect of Dendrimer-encapsulated Pd Clusters on Catalytic Hydrogenation of Olefin. Chemistry Letters, 2011, 40, 180-181.	0.7	17
71	Highly Efficient Pd/SiO2â€“Dimethyl Sulfoxide Catalyst System for Selective Semihydrogenation of Alkynes. Chemistry Letters, 2011, 40, 405-407.	0.7	51
72	Gold Nanoparticle-Catalyzed Environmentally Benign Deoxygenation of Epoxides to Alkenes. Molecules, 2011, 16, 8209-8227.	1.7	20

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73	Selective Deoxygenation of Epoxides to Alkenes with Molecular Hydrogen Using a Hydrotalciteâ€Supported Gold Catalyst: A Concerted Effect between Gold Nanoparticles and Basic Sites on a Support. Angewandte Chemie - International Edition, 2011, 50, 2986-2989.	7.2	124
74	Highly Efficient Gold Nanoparticle Catalyzed Deoxygenation of Amides, Sulfoxides, and Pyridine Nâ€Oxides. Chemistry - A European Journal, 2011, 17, 1768-1772.	1.7	97
75	Wackerâ€Type Oxidation of Internal Olefins Using a PdCl₂/N,Nâ€Dimethylacetamide Catalyst System under Copperâ€Free Reaction Conditions. Angewandte Chemie - International Edition, 2010, 49, 1238-1240.	7.2	99
76	Oxidant-Free Lactonization of Diols Using a Hydrotalcite-Supported Copper Catalyst. Heterocycles, 2010, 80, 855.	0.4	21
77	Fine Tuning of Pd0 Nanoparticle Formation on Hydroxyapatite and Its Application for Regioselective Quinoline Hydrogenation. Chemistry Letters, 2010, 39, 832-834.	0.7	49
78	Complete Hydrodechlorination of DDT and Its Derivatives Using a Hydroxyapatite-supported Pd Nanoparticle Catalyst. Chemistry Letters, 2010, 39, 49-51.	0.7	14
79	Highly Chemoselective Reduction of Nitroaromatic Compounds Using a Hydrotalcite-supported Silver-nanoparticle Catalyst under a CO Atmosphere. Chemistry Letters, 2010, 39, 223-225.	0.7	42
80	Roomâ€Temperature Deoxygenation of Epoxides with CO Catalyzed by Hydrotalciteâ€Supported Gold Nanoparticles in Water. Chemistry - A European Journal, 2010, 16, 11818-11821.	1.7	51
81	Titelbild: Wacker-Type Oxidation of Internal Olefins Using a PdCl2/N,N-Dimethylacetamide Catalyst System under Copper-Free Reaction Conditions (Angew. Chem. 7/2010). Angewandte Chemie, 2010, 122, 1189-1189.	1.6	0
82	Innentitelbild: Supported Gold and Silver Nanoparticles for Catalytic Deoxygenation of Epoxides into Alkenes (Angew. Chem. 32/2010). Angewandte Chemie, 2010, 122, 5518-5518.	1.6	0
83	Cover Picture: Wacker-Type Oxidation of Internal Olefins Using a PdCl2/N,N-Dimethylacetamide Catalyst System under Copper-Free Reaction Conditions (Angew. Chem. Int. Ed. 7/2010). Angewandte Chemie - International Edition, 2010, 49, 1169-1169.	7.2	0
84	Supported Gold and Silver Nanoparticles for Catalytic Deoxygenation of Epoxides into Alkenes. Angewandte Chemie - International Edition, 2010, 49, 5545-5548.	7.2	117
85	Inside Cover: Supported Gold and Silver Nanoparticles for Catalytic Deoxygenation of Epoxides into Alkenes (Angew. Chem. Int. Ed. 32/2010). Angewandte Chemie - International Edition, 2010, 49, 5390-5390.	7.2	1
86	Selective deoxygenation of styrene oxides under a CO atmosphere using silver nanoparticle catalyst. Tetrahedron Letters, 2010, 51, 5466-5468.	0.7	41
87	Creation of a monomeric vanadate species in an apatite framework as an active heterogeneous base catalyst for Michael reactions in water. Catalysis Today, 2010, 152, 93-98.	2.2	19
88	Development of Heterogeneous Olympic Medal Metal Nanoparticle Catalysts for Environmentally Benign Molecular Transformations Based on the Surface Properties of Hydrotalcite. Molecules, 2010, 15, 8988-9007.	1.7	40
89	Reversible Dehydrogenation-Hydrogenation of Tetrahydroquinoline-Quinoline Using a Supported Cooper Nanoparticle Catalyst. Heterocycles, 2010, 82, 1371.	0.4	27
90	Supported monomeric vanadium catalyst for dehydration of amides to form nitriles. Chemical Communications, 2010, 46, 8243.	2.2	58

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91	Creation of a high-valent manganese species on hydrotalcite and its application to the catalytic aerobic oxidation of alcohols. Green Chemistry, 2010, 12, 2142.	4.6	26
92	Efficient Aerobic Oxidation of Alcohols using a Hydrotalciteâ€Supported Gold Nanoparticle Catalyst. Advanced Synthesis and Catalysis, 2009, 351, 1890-1896.	2.1	188
93	Supported silver nanoparticle catalyst for selective hydration of nitriles to amides in water. Chemical Communications, 2009, , 3258.	2.2	164
94	Development of concerto metal catalysts using apatite compounds for green organic syntheses. Energy and Environmental Science, 2009, 2, 655.	15.6	107
95	Supported gold nanoparticles as a reusable catalyst for synthesis of lactones from diols using molecular oxygen as an oxidant under mild conditions. Green Chemistry, 2009, 11, 793.	4.6	121
96	Supported gold nanoparticle catalyst for the selective oxidation of silanes to silanols in water. Chemical Communications, 2009, , 5302.	2.2	139
97	Controlled Synthesis of Pd Clusters in Subnanometer Range Using Poly(propylene imine) Dendrimers. Chemistry Letters, 2009, 38, 1118-1119.	0.7	19
98	Oxidantâ€Free Alcohol Dehydrogenation Using a Reusable Hydrotalciteâ€Supported Silver Nanoparticle Catalyst. Angewandte Chemie - International Edition, 2008, 47, 138-141.	7.2	274
99	Supported Silverâ€Nanoparticleâ€Catalyzed Highly Efficient Aqueous Oxidation of Phenylsilanes to Silanols. Angewandte Chemie - International Edition, 2008, 47, 7938-7940.	7.2	177
100	Reusable montmorillonite-entrapped organocatalyst for asymmetric Dielsâ€“Alder reaction. Tetrahedron Letters, 2008, 49, 5464-5466.	0.7	50
101	Hydrotalcite-bound ruthenium as a multifunctional heterogeneous catalyst for one-pot synthesis of Î±-alkylated nitriles and quinolines. Research on Chemical Intermediates, 2008, 34, 475-486.	1.3	5
102	PAMAM dendron-stabilised palladium nanoparticles: effect of generation and peripheral groups on particle size and hydrogenation activity. Chemical Communications, 2008, , 241-243.	2.2	60
103	Copper nanoparticles on hydrotalcite as a heterogeneous catalyst for oxidant-free dehydrogenation of alcohols. Chemical Communications, 2008, , 4804.	2.2	180
104	Recyclable indium catalysts for additions of 1,3-dicarbonyl compounds to unactivated alkynes affected by structure and acid strength of solid supports. Green Chemistry, 2008, 10, 1231.	4.6	17
105	Nucleophilic Substitution Reactions of Alcohols with Use of Montmorillonite Catalysts as Solid BrÃ¸nsted Acids. Journal of Organic Chemistry, 2007, 72, 6006-6015.	1.7	198
106	Magnetically recoverable heterogeneous catalyst: Palladium nanocluster supported on hydroxyapatite-encapsulated Î³-Fe2O3 nanocrystallites for highly efficient dehalogenation with molecular hydrogen. Green Chemistry, 2007, 9, 1246.	4.6	126
107	Development of Rutheniumâ€'Hydroxyapatite-Encapsulated Superparamagnetic Î³-Fe2O3Nanocrystallites as an Efficient Oxidation Catalyst by Molecular Oxygen. Chemistry of Materials, 2007, 19, 1249-1256.	3.2	139
108	Montmorillonite-Entrapped Sub-nanoordered Pd Clusters as a Heterogeneous Catalyst for Allylic Substitution Reactions. Angewandte Chemie - International Edition, 2007, 46, 3288-3290.	7.2	77

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109	Creation of monomeric La complexes on apatite surfaces and their application as heterogeneous catalysts for Michael reactions. New Journal of Chemistry, 2006, 30, 44-52.	1.4	52
110	Highly Efficient Câ^'C Bond-Forming Reactions in Aqueous Media Catalyzed by Monomeric Vanadate Species in an Apatite Framework. Journal of Organic Chemistry, 2006, 71, 7455-7462.	1.7	98
111	Efficient Câ^'N Bond Formations Catalyzed by a Proton-Exchanged Montmorillonite as a Heterogeneous BrÃ¸nsted Acid. Organic Letters, 2006, 8, 4617-4620.	2.4	111
112	Reconstructed Hydrotalcite as a Highly Active Heterogeneous Base Catalyst for Carbonâ^'Carbon Bond Formations in the Presence of Water. Journal of Organic Chemistry, 2006, 71, 5440-5447.	1.7	147
113	Design of High-Performance Heterogeneous Metal Catalysts for Green and Sustainable Chemistry. Bulletin of the Chemical Society of Japan, 2006, 79, 981-1016.	2.0	141
114	Shape- and Size-controlled Synthesis of Tetrahedral Pd Nanoparticles Using Tetranuclear Pd Cluster as Precursor. Chemistry Letters, 2006, 35, 276-277.	0.7	13
115	Highly efficient Wacker oxidation catalyzed by heterogeneous Pd montmorillonite under acid-free conditions. Tetrahedron Letters, 2006, 47, 1425-1428.	0.7	37
116	A rhodium-grafted hydrotalcite as a highly efficient heterogeneous catalyst for 1,4-addition of organoboron reagents to Î±,Î²-unsaturated carbonyl compounds. Tetrahedron Letters, 2006, 47, 5083-5087.	0.7	22
117	Highly efficient heterogeneous acylations of aromatic compounds with acid anhydrides and carboxylic acids by montmorillonite-enwrapped titanium as a solid acid catalyst. Research on Chemical Intermediates, 2006, 32, 305-315.	1.3	12
118	Wireless electrodeless piezomagnetic biosensor with an isolated nickel oscillator. Biosensors and Bioelectronics, 2006, 21, 2001-2005.	5.3	11
119	Catalytic Investigations of Carbonâ€"Carbon Bond-Forming Reactions by a Hydroxyapatite-Bound Palladium Complex.. ChemInform, 2006, 37, no.	0.1	0
120	Environmentally Friendly One-Pot Synthesis of Î±-Alkylated Nitriles Using Hydrotalcite-Supported Metal Species as Multifunctional Solid Catalysts. Chemistry - A European Journal, 2006, 12, 8228-8239.	1.7	118
121	Convenient and Efficient Pd-Catalyzed Regioselective Oxyfunctionalization of Terminal Olefins by Using Molecular Oxygen as Sole Reoxidant. Angewandte Chemie - International Edition, 2006, 45, 481-485.	7.2	241
122	BrÃ¸nsted Acid Mediated Heterogeneous Addition Reaction of 1,3-Dicarbonyl Compounds to Alkenes and Alcohols. Angewandte Chemie - International Edition, 2006, 45, 2605-2609.	7.2	136
123	Effects of Dissolved and Ambient Gases on Sonochemical Degradation of Methylene Blue in High-Amplitude Resonant Mode. Japanese Journal of Applied Physics, 2006, 45, 4678-4683.	0.8	12
124	Design of Ruthenium Catalysts Bound to Inorganic Crystalline Materials for Environmentally-Benign Organic Synthesis. Current Organic Chemistry, 2006, 10, 241-255.	0.9	15
125	Palladiumâ€"Platinum Bimetallic Nanoparticle Catalysts Using Dendron Assembly for Selective Hydrogenation of Dienes and Their Application to Thermomorphic System. Chemistry Letters, 2005, 34, 272-273.	0.7	23
126	Liquid-phase Epoxidation of Alkenes Using Molecular Oxygen Catalyzed by Vanadium Cation-exchanged Montmorillonite. Chemistry Letters, 2005, 34, 1626-1627.	0.7	20

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127	Dendritic Nanoreactor Encapsulating Rh Complex Catalyst for Hydroformylation. Chemistry Letters, 2005, 34, 286-287.	0.7	17
128	Quaternary Ammonium Dendrimers as Lewis Base Catalysts for Mukaiyamaâ€“Aldol Reaction. Chemistry Letters, 2005, 34, 420-421.	0.7	14
129	Michael reaction of 1,3-dicarbonyls with enones catalyzed by a hydroxyapatite-bound La complex. Tetrahedron Letters, 2005, 46, 4283-4286.	0.7	26
130	One-pot synthesis of Î±-alkylated nitriles with carbonyl compounds through consecutive aldol reaction/hydrogenation using a hydrotalcite-supported palladium nanoparticle as a multifunctional heterogeneous catalyst. Tetrahedron Letters, 2005, 46, 5507-5510.	0.7	56
131	Heterotrimetallic RuMnMn Species on a Hydrotalcite Surface as Highly Efficient Heterogeneous Catalysts for Liquid-Phase Oxidation of Alcohols with Molecular Oxygen. Angewandte Chemie - International Edition, 2005, 44, 3423-3426.	7.2	101
132	Monomeric Metal Aqua Complexes in the Interlayer Space of Montmorillonites as Strong Lewis Acid Catalysts for Heterogeneous Carbon-Carbon Bond-Forming Reactions. Chemistry - A European Journal, 2005, 11, 288-297.	1.7	64
133	Quaternary Ammonium Dendrimers as Lewis Base Catalysts for Mukaiyamaâ€”Aldol Reaction.. ChemInform, 2005, 36, no.	0.1	0
134	Dendritic Nanoreactor Encapsulating Rh Complex Catalyst for Hydroformylation.. ChemInform, 2005, 36, no.	0.1	0
135	Michael Reaction of 1,3-Dicarbonyls with Enones Catalyzed by a Hydroxyapatite-Bound La Complex.. ChemInform, 2005, 36, no.	0.1	1
136	A Single-Site Hydroxyapatite-Bound Zinc Catalyst for Highly Efficient Chemical Fixation of Carbon Dioxide with Epoxides.. ChemInform, 2005, 36, no.	0.1	1
137	An Acidic Layered Clay Is Combined with a Basic Layered Clay for One-Pot Sequential Reactions.. ChemInform, 2005, 36, no.	0.1	0
138	One-Pot Synthesis of Î±-Alkylated Nitriles with Carbonyl Compounds Through Consecutive Aldol Reaction/Hydrogenation Using a Hydrotalcite-Supported Palladium Nanoparticle as a Multifunctional Heterogeneous Catalyst.. ChemInform, 2005, 36, no.	0.1	0
139	An Acidic Layered Clay Is Combined with A Basic Layered Clay for One-Pot Sequential Reactions. Journal of the American Chemical Society, 2005, 127, 9674-9675.	6.6	182
140	Catalytic investigations of carbonâ€“carbon bond-forming reactions by a hydroxyapatite-bound palladium complex. New Journal of Chemistry, 2005, 29, 1174.	1.4	46
141	A single-site hydroxyapatite-bound zinc catalyst for highly efficient chemical fixation of carbon dioxide with epoxides. Chemical Communications, 2005, , 3331.	2.2	92
142	Design of hydroxyapatite-bound transition metal catalysts for environmentally-benign organic syntheses. Catalysis Surveys From Asia, 2004, 8, 231-239.	1.0	32
143	A Novel Montmorillonite-Enwrapped Scandium as a Heterogeneous Catalyst for Michael Reaction.. ChemInform, 2004, 35, no.	0.1	0
144	Hydroxyapatite-Bound Cationic Ruthenium Complexes as Novel Heterogeneous Lewis Acid Catalysts for Dielsâ€”Alder and Aldol Reactions.. ChemInform, 2004, 35, no.	0.1	0

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145	Highly Efficient Esterification of Carboxylic Acids with Alcohols by Montmorillonite-Enwrapped Titanium as a Heterogeneous Acid Catalyst.. ChemInform, 2004, 35, no.	0.1	0
146	Supramolecular Catalysts by Encapsulating Palladium Complexes within Dendrimers.. ChemInform, 2004, 35, no.	0.1	0
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