

Mihly Bartk

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

3,894
citations

33
h-index

51
g-index

188
ext. papers

4,053
ext. citations

4.6
avg, IF

5.44
L-index

#	Paper	IF	Citations
183	Heterogeneous Asymmetric Catalysis 2017 , 479-509		
182	Application of hydroxyproline derivatives in enantioselective β -amination reactions in organic and aqueous environments: a structure-activity relationship study. <i>Structural Chemistry</i> , 2017 , 28, 415-421	1.8	2
181	Dual stereocontrol in aldol reactions catalysed by hydroxyproline derivatives in the presence of a large amount of water. <i>Tetrahedron: Asymmetry</i> , 2016 , 27, 936-942		8
180	Comparative Study of Graphite-Oxide and Graphene-Oxide Supported Proline Organocatalysts in Asymmetric Aldol Addition. <i>Topics in Catalysis</i> , 2016 , 59, 1227-1236	2.3	7
179	Advances in Immobilized Organocatalysts for the Heterogeneous Asymmetric Direct Aldol Reactions. <i>Catalysis Reviews - Science and Engineering</i> , 2015 , 57, 192-255	12.6	28
178	Tuning the sense of product stereochemistry in aldol reactions of acetone and aromatic aldehydes in the presence of water with a single chiral catalyst. <i>Tetrahedron Letters</i> , 2015 , 56, 7201-7205	2	9
177	Detection of previously unknown fumonisin P analogue mycotoxins in a <i>Fusarium verticillioides</i> culture by high-performance liquid chromatography-electrospray ionization time-of-flight and ion trap mass spectrometry. <i>Journal of Chromatographic Science</i> , 2014 , 52, 508-13	1.4	11
176	Reversal of Enantioselectivity in Aldol Reaction: New Data on Proline/ γ -Alumina Organic/Inorganic Hybrid Catalysts. <i>Catalysis Letters</i> , 2014 , 144, 478-486	2.8	12
175	Reversal of the enantioselectivity in aldol addition over immobilized di- and tripeptides: studies under continuous flow conditions. <i>RSC Advances</i> , 2014 , 4, 61611-61618	3.7	8
174	Unusual enantioselectivities in heterogeneous organocatalyzed reactions: Reversal of direction using proline di- versus tri-peptides in the aldol addition. <i>Journal of Molecular Catalysis A</i> , 2014 , 382, 86-92		16
173	Modifier-Substrate interactions of various types in the Orito reaction: Reversal of the enantioselection in the hydrogenation of ketopantolactone on Pt modified by β -socinchonine and O-phenylcinchonidine. <i>Catalysis Communications</i> , 2013 , 32, 81-85	3.2	6
172	Palladium Nanoparticle/ γ -Graphene Catalysts for Asymmetric Hydrogenation. <i>Catalysis Letters</i> , 2013 , 143, 539-546	2.8	32
171	Preparation of Optically Enriched 3-Hydroxy-3,4-dihydroquinolin-2(1H)-ones by Heterogeneous Catalytic Cascade Reaction over Supported Platinum Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1623-1629	5.6	16
170	IDENTIFICATION OF UNKNOWN ISOMERS OF FUMONISIN B5 MYCOTOXIN IN A <i>FUSARIUM VERTICILLIOIDES</i> CULTURE BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY/ELECTROSPRAY IONIZATION TIME-OF-FLIGHT AND ION TRAP MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013 , 36, 1549-1561	1.3	9
169	Organocatalytic Asymmetric Aldol Reactions in Aqueous or Neat Conditions: Review of Data Published in 2009-2013. <i>Current Green Chemistry</i> , 2013 , 1, 191-201	1.3	4
168	Heterogeneous Asymmetric Hydrogenation of N-Heterocyclic Compounds: Hydrogenation of Tetrahydroisoquinoline Derivatives. <i>Topics in Catalysis</i> , 2012 , 55, 880-888	2.3	6
167	Heterogeneous Enantioselective Hydrogenation in a Continuous-flow Fixed-bed Reactor System: Hydrogenation of Activated Ketones and Their Binary Mixtures on Pt/ γ -Alumina/ β -Cinchona Alkaloid Catalysts. <i>Catalysis Letters</i> , 2012 , 142, 889-894	2.8	17

166	Achiral amine additives in the enantioselective hydrogenation of aliphatic μ nsaturated acids over cinchonidine-modified Pd/Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2012 , 181, 56-61	5.3	11
165	Inversion of the Enantioselectivity in the Hydrogenation of (E)-2,3-diphenylpropenoic Acids over Pd Modified by Cinchonidine Silyl Ethers. <i>ACS Catalysis</i> , 2011 , 1, 1316-1326	13.1	20
164	New phenomenon in competitive hydrogenation of binary mixtures of activated ketones over unmodified and cinchonidine-modified Pt/alumina catalyst. <i>Catalysis Communications</i> , 2011 , 12, 1410-1414	3.7	18
163	The First Case of Competitive Heterogeneously Catalyzed Hydrogenation using Continuous-Flow Fixed-Bed Reactor System: Hydrogenation of Binary Mixtures of Activated Ketones on Pt-Alumina and on Pt-Alumina-Cinchonidine Catalysts. <i>Catalysis Letters</i> , 2011 , 141, 1616-1620	2.8	16
162	The first case of competitive heterogeneously catalyzed enantioselective hydrogenation of ketones. <i>Chemical Communications</i> , 2011 , 47, 1551-2	5.8	24
161	Reversal of the ee in enantioselective hydrogenation of activated ketones in continuous-flow fixed-bed reactor system. <i>Catalysis Communications</i> , 2010 , 12, 14-19	3.2	16
160	Detection and characterization of twenty-eight isomers of fumonisin B1 (FB1) mycotoxin in a solid rice culture infected with <i>Fusarium verticillioides</i> by reversed-phase high-performance liquid chromatography/electrospray ionization time-of-flight and ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 35-42	2.2	45
159	Unexpected inversions in asymmetric reactions: reactions with chiral metal complexes, chiral organocatalysts, and heterogeneous chiral catalysts. <i>Chemical Reviews</i> , 2010 , 110, 1663-705	68.1	325
158	Novel Evidence on the Role of the Nucleophilic Intermediate Complex in the Orito-Reaction: Unexpected Inversion in the Enantioselective Hydrogenation of 2,2,2-Trifluoroacetophenone on Pt-Cinchona Chiral Catalyst Using Continuous-Flow Fixed-Bed Reactor. <i>Catalysis Letters</i> , 2010 , 134, 264-269	2.8	17
157	Cinchona methyl ethers as modifiers in the enantioselective hydrogenation of (E)-2,3-diphenylpropenoic acids over Pd catalyst. <i>Journal of Catalysis</i> , 2010 , 276, 259-267	7.3	20
156	Origin of the rate enhancement and enantiodifferentiation in the heterogeneous enantioselective hydrogenation of 2,2,2-trifluoroacetophenone over Pt/alumina studied in continuous-flow fixed-bed reactor system. <i>Applied Catalysis A: General</i> , 2010 , 382, 263-271	5.1	25
155	Reactions of chlorine substituted (E)-2,3-diphenylpropenoic acids over cinchonidine-modified Pd: Enantioselective hydrogenation versus hydrodechlorination. <i>Journal of Molecular Catalysis A</i> , 2010 , 333, 28-36		13
154	Preparation and Characterization of TiO ₂ Coated Multi-walled Carbon Nanotube-supported Pd and its Catalytic Performance in the Asymmetric Hydrogenation of μ nsaturated Carboxylic Acids. <i>Catalysis Letters</i> , 2009 , 132, 370-376	2.8	18
153	Enantioselective hydrogenation of (E)-2-methyl-2-butenoic acid over cinchonidine modified Pd catalyst. Effect of the structure of achiral amine additives. <i>Reaction Kinetics and Catalysis Letters</i> , 2009 , 96, 319-325		13
152	New data in the enantioselective hydrogenation of ethyl pyruvate on Pt-cinchona chiral catalyst using continuous-flow fixed-bed reactor system: The origin of rate enhancement. <i>Journal of Molecular Catalysis A</i> , 2009 , 305, 155-160		23
151	Inversion of enantioselectivity in the 2,2,2-trifluoroacetophenone hydrogenation over Pt-alumina catalyst modified by cinchona alkaloids. <i>Applied Catalysis A: General</i> , 2009 , 362, 178-184	5.1	25
150	Enantioselective hydrogenation of propenoic acids bearing heteroaromatic substituents over cinchonidine modified Pd/alumina. <i>Catalysis Communications</i> , 2009 , 10, 1107-1110	3.2	10
149	Heterogeneous Catalytic Hydrogenation 2009 ,		2

148	Enantioselective hydrogenation of ketopantolactone using Pt/CN chiral catalyst: Correlation between the solution-state concentration of a nucleophilic β -socioinoline-ketopantolactone complex and enantioselectivity. <i>Journal of Catalysis</i> , 2008 , 255, 296-303	7.3	18
147	Enantioselective hydrogenation of arecaidine over cinchona alkaloid-modified palladium catalyst: A novel route to enantioenriched nipecotic acid derivatives. <i>Journal of Catalysis</i> , 2008 , 256, 349-352	7.3	15
146	New data to the origin of rate enhancement on the Pt-cinchona catalyzed enantioselective hydrogenation of activated ketones using continuous-flow fixed-bed reactor system. <i>Journal of Catalysis</i> , 2008 , 260, 245-253	7.3	34
145	The enantioselective hydrogenation of 5,6-dihydro-2H-pyran-3-carboxylic acid over a cinchona alkaloid-modified palladium catalyst: asymmetric synthesis of a cockroach attractant. <i>New Journal of Chemistry</i> , 2008 , 32, 1354	3.6	10
144	Enantioselective hydrogenation of fluorinated unsaturated carboxylic acids over cinchona alkaloid modified palladium catalysts. <i>Catalysis Communications</i> , 2008 , 9, 421-424	3.2	22
143	A new type of fumonisin series appeared on the scene of food and feed safety. <i>Cereal Research Communications</i> , 2008 , 36, 315-319	1.1	13
142	New Data of Nonlinear Phenomenon in the Heterogeneous Enantioselective Hydrogenation of Activated Ketones. <i>Catalysis Letters</i> , 2008 , 124, 46-51	2.8	7
141	New Data on the Orito Reaction: Effect of Substrate Structure on Nonlinear Phenomenon. <i>Catalysis Letters</i> , 2008 , 125, 401-407	2.8	15
140	Up to 96% Enantioselectivities in the Hydrogenation of Fluorine Substituted (E)-2,3-Diphenylpropenoic Acids over Cinchonidine-Modified Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2804-2814	5.6	42
139	Methylethers of cinchona alkaloids in Pt-catalyzed hydrogenation of methyl benzoylformate and pyruvaldehyde dimethyl acetal: Part 2: Effect of stereochemical factors on the enantioselectivity. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 84-91		11
138	New data on the effect of steric constraints on the chiral induction in the Orito reaction: Hydrogenation of activated steroid ketones. <i>Journal of Molecular Catalysis A</i> , 2008 , 294, 14-19		2
137	Methylethers of cinchona alkaloids in Pt-catalyzed hydrogenation of ethyl pyruvate and ketopantolactone: Effect of stereochemical factors on the enantioselectivity. <i>Journal of Molecular Catalysis A</i> , 2008 , 280, 87-95		16
136	Effect of the substituent position on the enantioselective hydrogenation of methoxy-substituted 2,3-diphenylpropenoic acids over palladium catalyst. <i>Journal of Molecular Catalysis A</i> , 2008 , 290, 54-59		25
135	Enantioselective Hydrogenation of N-Acetyldehydroamino Acids over Supported Palladium Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 405-410	5.6	18
134	Enantioselective hydrogenation of itaconic acid over cinchona alkaloid modified supported palladium catalyst. <i>Applied Catalysis A: General</i> , 2007 , 319, 193-201	5.1	33
133	Organocatalytic direct aldol reaction between acetone and β -substituted β -keto esters. <i>Journal of Molecular Catalysis A</i> , 2007 , 267, 98-101		13
132	A new rigid cinchona modified (HQ) platinum catalyst for the enantioselective hydrogenation of activated ketones: Data to the origin of enantioselection. <i>Journal of Molecular Catalysis A</i> , 2007 , 272, 265-274		14
131	NMR spectroscopic and theoretical evidence of cinchona alkaloid-ketopantolactone complex formation in aprotic solvents: Implications for the mechanism of Pt-catalyzed enantioselective hydrogenation of activated ketones. <i>Journal of Catalysis</i> , 2007 , 246, 266-276	7.3	28

130	Enantioselective hydrogenation of α -unsaturated carboxylic acids in fixed-bed reactor. <i>Applied Catalysis A: General</i> , 2007 , 331, 39-43	5.1	26
129	Inversion of enantioselectivity in the hydrogenation of ketopantolactone on a Pt- η -CN chiral catalyst. <i>Journal of Catalysis</i> , 2006 , 239, 74-82	7.3	25
128	Study of enantioselective hydrogenation of bulky esters of phenylglyoxylic acid on Pt-CD and Pt- η -CN chiral catalysts: Steric effect of ester groups and inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2006 , 241, 149-154	7.3	20
127	Dynamic Kinetic Resolution over Cinchona-Modified Platinum Catalyst: Hydrogenation of Racemic Ethyl 2-Fluoroacetoacetate. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 515-522	5.6	31
126	Heterogeneous Catalytic Enantioselective Hydrogenation of Activated Ketones. <i>Current Organic Chemistry</i> , 2006 , 10, 1533-1567	1.7	131
125	Hydrogenation of β -socioinicine in mild conditions on Pt and Pd catalysts using HPLC-ESI-ion-trap MS: New results on the role of structure of cinchona alkaloids in the Orito reaction. <i>Catalysis Communications</i> , 2006 , 7, 104-108	3.2	11
124	Detection of new fumonisin mycotoxins and fumonisin-like compounds by reversed-phase high-performance liquid chromatography/electrospray ionization ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2447-62	2.2	70
123	C9-O-substituted derivatives of cinchona alkaloids as chiral modifiers in the Orito-reaction: Effects of structure of modifiers on sense of enantioselectivity. <i>Journal of Molecular Catalysis A</i> , 2006 , 247, 108-115		24
122	New chiral catalysts: synthesis and fragmentation pattern of C9-o-silanized cinchonidines. <i>Reaction Kinetics and Catalysis Letters</i> , 2006 , 87, 281-289		1
121	Structure-property relationship in py-hexahydrocinchonidine diastereomers: ab initio and NMR study. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 860-8	2.8	13
120	Enantioselective hydrogenation of ethyl pyruvate catalyzed by β - and β -socioinichonine-modified Pt/Al ₂ O ₃ in toluene: inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2005 , 231, 33-40	7.3	31
119	Increased enantioselectivity in the presence of benzylamine in the heterogeneous hydrogenation of α -unsaturated carboxylic acids. <i>Journal of Catalysis</i> , 2005 , 231, 480-483	7.3	45
118	Enantioselective hydrogenation of ethyl pyruvate catalysed by cinchonine-modified Pt/Al ₂ O ₃ : tilted adsorption geometry of cinchonine. <i>Catalysis Letters</i> , 2005 , 100, 161-167	2.8	40
117	A novel asymmetric heterogeneous catalytic reaction: hydrogenation of ethyl 2-acetoxyacrylate on cinchonidine modified Pd and Pt catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 84, 151-156		12
116	Identification of novel chiral aluminium containing oxonium cations in the enantioselective hydrogenation of ethyl pyruvate catalyzed using cinchonidine modified Pt-alumina in acetic acid. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 85, 361-366		3
115	Hydrogenation of methyl 3 α -acetoxy-23-oxo-5 β -cholan-24-oate catalyzed by cinchona alkaloid-modified Pt-alumina catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 86, 323-329		2
114	Study of fragmentation pattern and adsorption of 9-O-(triphenylsilyl)-10,11-dihydrocinchonidine on platinum by hydrogen/deuterium exchange using electrospray ionization ion-trap tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3743-8	2.2	4
113	Enantioselective Hydrogenation of Trifluoromethylcyclohexyl Ketone on Cinchona Alkaloid Modified Pt-Alumina Catalyst. <i>Catalysis Letters</i> , 2004 , 97, 65-70	2.8	22

112	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2004 , 219, 383-389		16
111	Investigation of chiral reactions: the structural detection of new hydrogenated isocinchona alkaloids from mixtures without isolation using electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1352-60	2.2	7
110	New data on enantiomeric excess versus conversion during enantioselective hydrogenation of activated ketones on a platinum catalyst. <i>Journal of Catalysis</i> , 2004 , 224, 463-472	7.3	35
109	Heterogeneous asymmetric reactions: Part 38. Enantioselective hydrogenation of fluoroketones on Pt/Alumina catalyst. <i>Journal of Molecular Catalysis A</i> , 2004 , 216, 181-187		43
108	Heterogeneous Asymmetric Reactions 34. New Data in the Enantioselective Hydrogenation of Ethyl Pyruvate Catalyzed by Cinchona Alkaloid-Modified Pt/Al ₂ O ₃ in Toluene. <i>Catalysis Letters</i> , 2003 , 87, 235-240	2.8	13
107	Alkylation of Benzene with Cyclic Ethers in Superacidic Media. <i>Catalysis Letters</i> , 2003 , 89, 1-9	2.8	6
106	Enantioselective direct aldol addition of acetone to aliphatic aldehydes. <i>Chirality</i> , 2003 , 15 Suppl, S90-6	2.1	54
105	Hydrogenation of cinchona alkaloids over supported Pt catalyst. <i>Chirality</i> , 2003 , 15 Suppl, S82-9	2.1	22
104	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2003 , 202, 163-170		11
103	Investigations in chiral reactions: identification of new adducts in the reactions of ethyl pyruvate with acetic anhydride and pyridine. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 2849-52	2.2	1
102	Structural characterization of acetylpyridinium-ethyl pyruvate adducts by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 1034-8	2.2	3
101	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2002 , 177, 299-305		42
100	Heterogeneous asymmetric reactions. <i>Applied Catalysis A: General</i> , 2002 , 237, 275-280	5.1	31
99	Electrospray Ionization Mass Spectrometry in the Enantioselective Hydrogenation of Ethyl Pyruvate Catalyzed by Dihydrocinchonidine Modified Pt/Al ₂ O ₃ in Acetic Acid. <i>Journal of Catalysis</i> , 2002 , 205, 168-176	7.3	49
98	Heterogeneous Asymmetric Reactions 20. Effect of Ultrasonic Variables on the Enantiodifferentiation in Cinchona-Modified Platinum-Catalyzed Sonochemical Hydrogenations. <i>Catalysis Letters</i> , 2002 , 81, 55-62	2.8	26
97	Heterogeneous Asymmetric Reactions. 29. Enantioselective Hydrogenation of Ethyl Benzoylformate over Dihydrocinchonidine-Modified Platinum-Alumina Catalyst in Acetic Acid. <i>Catalysis Letters</i> , 2002 , 81, 281-284	2.8	14
96	Heterogeneous asymmetric reactions, 33. Novel interpretation of the enantioselective hydrogenation of α -ketoesters on Pt/alumina-cinchona alkaloid catalyst system. <i>Reaction Kinetics and Catalysis Letters</i> , 2002 , 77, 363-370		10
95	98% Enantioselectivity in the asymmetric synthesis of a useful chiral building block by heterogeneous method: Enantioselective hydrogenation of ethyl-benzoylformate over cinchona modified Pt/Al ₂ O ₃ catalysts in the acetic acid. <i>Catalysis Communications</i> , 2002 , 3, 125-127	3.2	53

94	Crotonaldehyde hydrogenation over clay-supported platinum catalysts. <i>Journal of Molecular Catalysis A</i> , 2001 , 169, 235-246		34
93	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2001 , 170, 165-173		21
92	Shape-selective catalysts: quasi-two-dimensional Pd-particles encapsulated in graphite. <i>Journal of Molecular Catalysis A</i> , 2001 , 175, 205-213		13
91	Asymmetric reactions in sonochemistry. <i>Ultrasonics Sonochemistry</i> , 2001 , 8, 191-200	8.9	49
90	Stereoselective hydrogenation of 1-phenyl-1-pentyne over low-loaded Pd-montmorillonite catalysts. <i>Applied Catalysis A: General</i> , 2001 , 213, 133-140	5.1	31
89	Enantioselective Michael addition catalyzed by cinchona alkaloids. <i>Chirality</i> , 2001 , 13, 614-8	2.1	26
88	Heterogeneous asymmetric reactions. Part 24. Heterogeneous catalytic enantioselective hydrogenation of the C=N group over cinchona alkaloid modified palladium catalyst. <i>Chirality</i> , 2001 , 13, 619-24	2.1	13
87	Identification of new types of aluminium compounds by electrospray ionization mass spectrometry: oxonium cations. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 65-9	2.2	14
86	Heterogeneous asymmetric reactions. 23. Enantioselective hydrogenation of ethyl pyruvate over cinchonine- and β -socioinonine-modified platinum catalysts. <i>Catalysis Letters</i> , 2001 , 73, 127-131	2.8	13
85	Effect of ion exchange by an organic cation on platinum immobilization on clays. <i>Reaction Kinetics and Catalysis Letters</i> , 2001 , 74, 241-249		8
84	Preparation, characterization and application of platinum catalysts immobilized on clays. <i>Solid State Ionics</i> , 2001 , 141-142, 273-278	3.3	8
83	Catalytic Investigation of Quasi-Two-Dimensional Palladium Nanoparticles Encapsulated in Graphite. <i>Langmuir</i> , 2001 , 17, 3776-3778	4	3
82	Solvent and support effects in the case of acetic acid and alumina: Oxonium cations in asymmetric hydrogenation of ethyl pyruvate over dihydrocinchonidine modified platinum. <i>Catalysis Communications</i> , 2001 , 2, 269-272	3.2	11
81	Effect of coacid acidity on the cinchona-modified Pt-catalyzed enantioselective hydrogenations. <i>Studies in Surface Science and Catalysis</i> , 2000 , 130, 3381-3386	1.8	17
80	Mass Spectra of Iso-Cinchona- and Halogenated Cinchona Alkaloids. <i>European Journal of Mass Spectrometry</i> , 2000 , 6, 347-355	1.1	4
79	Identification of ethyl pyruvate and dihydrocinchonidine adducts by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 509-14	2.2	25
78	New results on the mass spectra of cinchona alkaloids. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 711-7	2.2	12
77	Heterogeneous asymmetric reactions: Part 17. Asymmetric hydrogenation of 2-methyl-2-pentenoic acid over cinchona modified Pd/Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2000 , 203, 71-79	5.1	48

76	Ultrasonics in chemoselective heterogeneous metal catalysis sonochemical hydrogenation of unsaturated carbonyl compounds over platinum catalysts. <i>Ultrasonics Sonochemistry</i> , 2000 , 7, 173-6	8.9	15
75	Sonochemical hydrosilylation of 2-substituted cyclohexanones in the presence of Wilkinson complex. <i>Ultrasonics Sonochemistry</i> , 2000 , 7, 15-7	8.9	5
74	Heterogeneous Asymmetric Reactions, 22. Quinidine Alkaloids in Enantioselective Hydrogenations. <i>Reaction Kinetics and Catalysis Letters</i> , 2000 , 71, 99-108		12
73	Asymmetric synthesis of alkyl 5-oxotetrahydrofuran-2-carboxylates by enantioselective hydrogenation of dialkyl 2-oxoglutarates over cinchona modified Pt/Al ₂ O ₃ catalysts. <i>Chemical Communications</i> , 2000 , 555-556	5.8	33
72	Preparation and Characterization of New Chirally Modified Laponites. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 341, 339-344		4
71	Homogeneous and heterogeneous asymmetric reactions. Part 13. Clay-supported noble metal catalysts in enantioselective hydrogenations. <i>Studies in Surface Science and Catalysis</i> , 1999 , 125, 515-522 ^{1.8}		10
70	Role of basic and acidic centers of MgO and modified MgO in catalytic transfer hydrogenation of ketones studied by infrared spectroscopy. <i>Journal of Molecular Structure</i> , 1999 , 482-483, 13-17	3.4	25
69	Homogeneous and heterogeneous asymmetric reactions. Part X: Enantioselective hydrogenations over K-10 montmorillonite supported noble metal catalysts with immobilized modifier. <i>Applied Catalysis A: General</i> , 1999 , 182, 53-63	5.1	28
68	Hydrogenation of unsaturated ketones: selective catalytic transfer hydrogenation of 5-hexen-2-one over MgO. <i>Journal of Molecular Catalysis A</i> , 1999 , 148, 265-273		37
67	Ultrasonics in heterogeneous metal catalysis: sonochemical chemo- and enantioselective hydrogenations over supported platinum catalysts. <i>Ultrasonics Sonochemistry</i> , 1999 , 6, 97-103	8.9	31
66	Homogeneous and heterogeneous asymmetric reactions: Part 11. Sonochemical enantioselective hydrogenation of trifluoromethyl ketones over platinum catalysts. <i>Ultrasonics Sonochemistry</i> , 1999 , 5, 149-55	8.9	34
65	Rigid cinchona conformers in enantioselective catalytic reactions: new cinchona-modified platinum catalysts in the Orito reaction. <i>Catalysis Letters</i> , 1999 , 61, 1-5	2.8	46
64	Catalytic transfer hydrogenation of 2-butanone on MgO. New active surface sites generated by treatment with chloroform. <i>Catalysis Letters</i> , 1999 , 59, 179-185	2.8	39
63	Electrospray ionization mass spectrometry in the heterogeneous catalyzed organic reactions: unknown compounds in the pyruvate hydrogenation. <i>Catalysis Letters</i> , 1999 , 61, 57-60	2.8	30
62	Catalytic transfer hydrogenation of 2-butanone over oxide catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1999 , 68, 197-205		5
61	Heterogeneous asymmetric reactions, 14. Epicinchona alkaloids in the enantioselective hydrogenation of ethyl pyruvate over Pt/alumina. What determines the sense of enantioselection?. <i>Reaction Kinetics and Catalysis Letters</i> , 1999 , 68, 371-377		8
60	Ultrasonics in asymmetric syntheses. Sonochemical enantioselective hydrogenation of prochiral C=O groups over platinum catalysts. <i>Chirality</i> , 1999 , 11, 470-474	2.1	33
59	New synthesis of a useful C ₃ chiral building block by a heterogeneous method: enantioselective hydrogenation of pyruvaldehyde dimethyl acetal over cinchona modified Pt/Al ₂ O ₃ catalysts. <i>Chemical Communications</i> , 1999 , 1725-1726	5.8	48

58	Enantiodifferentiation in asymmetric sonochemical hydrogenations. <i>Catalysis Letters</i> , 1998 , 52, 81-84	2.8	80
57	Transformation of Vinyloxirane on Pt/SiO ₂ and Pd/SiO ₂ . <i>Journal of Catalysis</i> , 1998 , 175, 40-47	7.3	10
56	Chemoselective Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol over Pt/K-10 Catalyst. <i>Journal of Catalysis</i> , 1998 , 179, 619-623	7.3	66
55	Ultrasonic irradiation as activity and selectivity improving factor in the hydrogenation of cinnamaldehyde over Pt/SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 1998 , 172, 225-232	5.1	47
54	The mechanism of hydrogenolysis and isomerization of oxacycloalkanes on metals: XV. Transformation of ethyl- and vinyloxirane on Cu/SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 1998 , 135, 307-316		10
53	The active surface of silica-supported copper in the hydrogenative transformations of cyclohexene: The role and state of carbonaceous deposits. <i>Applied Catalysis A: General</i> , 1998 , 166, 185-190	5.1	1
52	A new cinchona-modified platinum catalyst for the enantioselective hydrogenation of pyruvate: the structure of the 1:1 alkaloid-reactant complex. <i>Chemical Communications</i> , 1998 , 2605-2606	5.8	47
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