

Mihly Bartk

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#	Paper	IF	Citations
183	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
182	New Catalytic Materials from Amorphous Metal Alloys. <i>Advances in Catalysis</i> , 1989 , 36, 329-383	2.4	145
181	Heterogeneous Catalytic Enantioselective Hydrogenation of Activated Ketones. <i>Current Organic Chemistry</i> , 2006 , 10, 1533-1567	1.7	131
180	Enantiodifferentiation in asymmetric sonochemical hydrogenations. <i>Catalysis Letters</i> , 1998 , 52, 81-84	2.8	80
179	In Situ Generation of Palladium Nanoparticles in Smectite Clays. <i>Journal of Catalysis</i> , 1996 , 161, 401-408	7.3	75
178	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
177	Chemoselective Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol over Pt/K-10 Catalyst. <i>Journal of Catalysis</i> , 1998 , 179, 619-623	7.3	66
176	Enantioselective direct aldol addition of acetone to aliphatic aldehydes. <i>Chirality</i> , 2003 , 15 Suppl, S90-6	2.1	54
175	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
174	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
173	Asymmetric reactions in sonochemistry. <i>Ultrasonics Sonochemistry</i> , 2001 , 8, 191-200	8.9	49
172	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
171	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
170	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
169	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
168	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
167	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

166	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
165	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
164	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
163	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2002 , 177, 299-305		42
162	Studies on the conversions of diols and cyclic ethers. <i>Tetrahedron</i> , 1981 , 37, 2149-2151	2.4	42
161	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
160	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
159	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
158	Homogeneous and heterogeneous catalytic asymmetric reactions. <i>Journal of Molecular Catalysis</i> , 1990 , 60, 1-10		37
157	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
156	Transformation of 1,2-diols over perfluorinated resinsulfonic acids (Nafion-H). <i>Tetrahedron</i> , 1994 , 50, 8195-8202	2.4	35
155	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
154	Crotonaldehyde hydrogenation over clay-supported platinum catalysts. <i>Journal of Molecular Catalysis A</i> , 2001 , 169, 235-246		34
153	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
152	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
151	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
150	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
149	Palladium Nanoparticle/Graphene Catalysts for Asymmetric Hydrogenation. <i>Catalysis Letters</i> , 2013 , 143, 539-546	2.8	32

148	Sonochemical enantioselective hydrogenation of ethyl pyruvate over platinum catalysts. <i>Ultrasonics Sonochemistry</i> , 1997 , 4, 301-4	8.9	32
147	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
146	Heterogeneous asymmetric reactions. <i>Applied Catalysis A: General</i> , 2002 , 237, 275-280	5.1	31
145	Enantioselective hydrogenation of ethyl pyruvate catalyzed by β - and β -socioinoline-modified Pt/Al ₂ O ₃ in toluene: inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2005 , 231, 33-40	7.3	31
144	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
143	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
142	Transformation of 1,3-, 1,4- and 1,5-diols over perfluorinated resinsulfonic acids (Nafion-H). <i>Tetrahedron</i> , 1995 , 51, 3319-3326	2.4	31
141	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
140	Amorphous alloy catalysis. <i>Journal of Molecular Catalysis</i> , 1991 , 64, 41-51		30
139	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
138	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
137	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
136	Enantioselective hydrogenation of β -unsaturated carboxylic acids in fixed-bed reactor. <i>Applied Catalysis A: General</i> , 2007 , 331, 39-43	5.1	26
135	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
134	Enantioselective Michael addition catalyzed by cinchona alkaloids. <i>Chirality</i> , 2001 , 13, 614-8	2.1	26
133	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
132	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
131	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

130	Inversion of enantioselectivity in the hydrogenation of ketopantolactone on a Pt- β CN chiral catalyst. <i>Journal of Catalysis</i> , 2006 , 239, 74-82	7.3	25
129	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
128	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
127	The first case of competitive heterogeneously catalyzed enantioselective hydrogenation of ketones. <i>Chemical Communications</i> , 2011 , 47, 1551-2	5.8	24
126	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
125	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
124	Enantioselective hydrogenation of fluorinated unsaturated carboxylic acids over cinchona alkaloid modified palladium catalysts. <i>Catalysis Communications</i> , 2008 , 9, 421-424	3.2	22
123	Enantioselective Hydrogenation of Trifluoromethylcyclohexyl Ketone on Cinchona Alkaloid Modified Pt-Alumina Catalyst. <i>Catalysis Letters</i> , 2004 , 97, 65-70	2.8	22
122	Hydrogenation of cinchona alkaloids over supported Pt catalyst. <i>Chirality</i> , 2003 , 15 Suppl, S82-9	2.1	22
121	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2001 , 170, 165-173		21
120	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
119	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
118	Study of enantioselective hydrogenation of bulky esters of phenylglyoxylic acid on Pt-CD and Pt- β CN chiral catalysts: Steric effect of ester groups and inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2006 , 241, 149-154	7.3	20
117	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	4.7	18
116	Preparation and Characterization of TiO ₂ Coated Multi-walled Carbon Nanotube-supported Pd and its Catalytic Performance in the Asymmetric Hydrogenation of β -Unsaturated Carboxylic Acids. <i>Catalysis Letters</i> , 2009 , 132, 370-376	2.8	18
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114	Enantioselective Hydrogenation of N-Acetyldehydroamino Acids over Supported Palladium Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 405-410	5.6	18
113	Heterogeneous Enantioselective Hydrogenation in a Continuous-flow Fixed-bed Reactor System: Hydrogenation of Activated Ketones and Their Binary Mixtures on Pt-Alumina-Cinchona Alkaloid Catalysts. <i>Catalysis Letters</i> , 2012 , 142, 889-894	2.8	17

112	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
111	Heterogeneous Catalytic Hydrogenation		17
110	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
109	Low- and high-temperature hydrogenative ring-opening of alkyl-substituted cyclopropanes and methyloxirane over Pd/SiO ₂ catalyst: detection of hydride by a chemical method. <i>Journal of Molecular Catalysis</i> , 1990 , 63, 43-54		17
108	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
107	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
106	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
105	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
104	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
103	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2004 , 219, 383-389		16
102	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
101	New Data on the Orito Reaction: Effect of Substrate Structure on Nonlinear Phenomenon. <i>Catalysis Letters</i> , 2008 , 125, 401-407	2.8	15
100	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
99	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
98	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
97	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
96	Preparation, Characterization and Application of K-10 Montmorillonite Modified with Chiral Ammonium Halides. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 311, 289-294		14
95	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

94	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
93	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
92	Organocatalytic direct aldol reaction between acetone and β -substituted β -keto esters. <i>Journal of Molecular Catalysis A</i> , 2007 , 267, 98-101		13
91	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
90	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
89	Shape-selective catalysts: quasi-two-dimensional Pd-particles encapsulated in graphite. <i>Journal of Molecular Catalysis A</i> , 2001 , 175, 205-213		13
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	Heterogeneous asymmetric reactions. 23. Enantioselective hydrogenation of ethyl pyruvate over cinchonine- and β -socinchonine-modified platinum catalysts. <i>Catalysis Letters</i> , 2001 , 73, 127-131	2.8	13
86	On the nature of catalytic activity of nickel and platinum graphimets. <i>Journal of Catalysis</i> , 1989 , 117, 558-560	7.3	13
85	Hydrogen pressure-dependence in the ring-opening reactions of substituted cyclopropanes over Rh/SiO ₂ catalyst. <i>Catalysis Letters</i> , 1990 , 5, 229-235	2.8	13
84	Reversal of Enantioselectivity in Aldol Reaction: New Data on Proline/ β -Alumina Organic/Inorganic Hybrid Catalysts. <i>Catalysis Letters</i> , 2014 , 144, 478-486	2.8	12
83	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
82	New results on the mass spectra of cinchona alkaloids. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 711-7	2.2	12
81	Heterogeneous Asymmetric Reactions, 22. β -socinchona Alkaloids in Enantioselective Hydrogenations. <i>Reaction Kinetics and Catalysis Letters</i> , 2000 , 71, 99-108		12
80	Hydrogenative ring-opening reactions of alkyl-substituted cyclopropanes over Pt/SiO ₂ catalyst. <i>Journal of Molecular Catalysis</i> , 1992 , 77, 313-319		12
79	Homogeneous and heterogeneous asymmetric reactions. Part 5. Diastereoselective and enantioselective hydrogenation of cyclic β -keto esters on modified Raney-nickel catalysts. <i>Helvetica Chimica Acta</i> , 1990 , 73, 635-639	2	12
78	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
77	Achiral amine additives in the enantioselective hydrogenation of aliphatic β -unsaturated acids over cinchonidine-modified Pd/Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2012 , 181, 56-61	5.3	11

- 76 Methylethers of cinchona alkaloids in Pt-catalyzed hydrogenation of methyl benzoylformate and pyruvaldehyde dimethyl acetal: Part 2: Effect of stereochemical factors on the enantioselectivity. *Journal of Molecular Catalysis A*, **2008**, 285, 84-91 11
- 75 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. *Catalysis Communications*, **2006**, 7, 104-108 3.2 11
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- 72 Amorphous alloy catalysis IX. Isomerization and hydrogenation of allyl alcohol over an amorphous copper-zirconium alloy. *Journal of Molecular Catalysis A*, **1996**, 112, 85-92 11
- 71 Transformation of organic compounds in the presence of metal complexes. *Journal of Organometallic Chemistry*, **1993**, 460, 111-115 2.3 11
- 70 Enantioselective hydrogenation of propenoic acids bearing heteroaromatic substituents over cinchonidine modified Pd/alumina. *Catalysis Communications*, **2009**, 10, 1107-1110 3.2 10
- 69 Transformation of Vinyloxirane on Pt β SiO₂ and Pd β SiO₂. *Journal of Catalysis*, **1998**, 175, 40-47 7.3 10
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- 66 Heterogeneous asymmetric reactions, 33. Novel interpretation of the enantioselective hydrogenation of α -ketoesters on Pt/alumina-cinchona alkaloid catalyst system. *Reaction Kinetics and Catalysis Letters*, **2002**, 77, 363-370 10
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- 64 Transformation of carbon compounds on graphimetal catalysts. Part V. The effect of pretreatment on the structure and activity of Pt-graphimetal catalyst. *Journal of Molecular Catalysis A*, **1995**, 99, 115-121 10
- 63 Hydrogen pressure dependence in the ring-opening reactions of propylcyclobutane over Pd/SiO₂ catalyst. *Catalysis Letters*, **1995**, 31, 421-429 2.8 10
- 62 Ni-catalyzed ring-opening reactions of alkyl-substituted cyclopropanes; role of unreduced Ni species. *Journal of Molecular Catalysis*, **1991**, 68, 237-241 10
- 61 Tuning the sense of product stereochemistry in aldol reactions of acetone and aromatic aldehydes in the presence of water with a single chiral catalyst. *Tetrahedron Letters*, **2015**, 56, 7201-7205 2 9
- 60 IDENTIFICATION OF UNKNOWN ISOMERS OF FUMONISIN B5 MYCOTOXIN IN A FUSARIUM VERTICILLIOIDES CULTURE BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY/ELECTROSPRAY IONIZATION TIME-OF-FLIGHT AND ION TRAP MASS SPECTROMETRY. *Journal of Liquid Chromatography and Related Technologies*, **2013**, 36, 1549-1561 1.3 9
- 59 Dehydration of 2-propanol over Cu₂Ti metallic glasses: effect of pretreatments and reaction on the structure and surface properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1095-1098 5.3 9

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55	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
54	Preparation, characterization and application of platinum catalysts immobilized on clays. <i>Solid State Ionics</i> , 2001 , 141-142, 273-278	3.3	8
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49	Transformations of Cyclohexene over Silica-Supported Copper in the Presence of Deuterium. <i>Journal of Catalysis</i> , 1997 , 167, 215-223	7.3	7
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