

Dmitry Yu Murzin

List of Publications by Year in descending order

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806
papers

23,330
citations

13068

68
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23472

111
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all docs

834
docs citations

834
times ranked

15672
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot amination of aldehydes and ketones over heterogeneous catalysts for production of secondary amines. <i>Catalysis Reviews - Science and Engineering</i> , 2023, 65, 501-568.	5.7	10
2	Levulinic Acid Production: Comparative Assessment of Al-Rich Ordered Mesoporous Silica and Microporous Zeolite. <i>Catalysis Letters</i> , 2023, 153, 41-53.	1.4	5
3	Preparation of γ -Al ₂ O ₃ / β -Al ₂ O ₃ ceramic foams as catalyst carriers via the replica technique. <i>Catalysis Today</i> , 2022, 383, 64-73.	2.2	19
4	Pd Nanoparticles Stabilized on the Cross-Linked Melamine-Based SBA-15 as a Catalyst for the Mizoroki-Heck Reaction. <i>Catalysis Letters</i> , 2022, 152, 991-1002.	1.4	3
5	Transformations of citral over bifunctional Ru-H-Y-80 extrudates in a continuous reactor. <i>Chemical Engineering Journal</i> , 2022, 429, 132190.	6.6	7
6	Clays catalyzed cascade Prins and Prins-Friedel-Crafts reactions for synthesis of terpenoid-derived polycyclic compounds. <i>Applied Catalysis A: General</i> , 2022, 629, 118395.	2.2	9
7	Effect of protective bed composition on deactivation of a hydrotreating catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 771-778.	1.6	1
8	Catalytic decomposition of formic acid in a fixed bed reactor – an experimental and modelling study. <i>Catalysis Today</i> , 2022, 387, 128-139.	2.2	10
9	CuZSM-5@HMS composite as an efficient micro-mesoporous catalyst for conversion of sugars into levulinic acid. <i>Catalysis Today</i> , 2022, 390-391, 146-161.	2.2	8
10	Synthesis of Florol via Prins cyclization over heterogeneous catalysts. <i>Journal of Catalysis</i> , 2022, 405, 288-302.	3.1	3
11	Citral-to-Menthol Transformations in a Continuous Reactor over Ni/Mesoporous Aluminosilicate Extrudates Containing a Sepiolite Clay Binder. <i>Organic Process Research and Development</i> , 2022, 26, 387-403.	1.3	11
12	Synergy of Acidity and Morphology of Micro-/Mesoporous Materials in the Solid-Acid Alkylation of Toluene with 1-Decene. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1994-2009.	1.8	11
13	Aqueous phase reforming of birch and pine hemicellulose hydrolysates. <i>Bioresource Technology</i> , 2022, 348, 126809.	4.8	7
14	Diffusion measurements of hydrocarbons in H-MCM-41 extrudates with pulsed-field gradient nuclear magnetic resonance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8269-8278.	1.3	3
15	Solid Foam Ru/C Catalysts for Sugar Hydrogenation to Sugar Alcohols – Preparation, Characterization, Activity, and Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2734-2747.	1.8	9
16	Continuous synthesis of menthol from citronellal and citral over Ni-beta-zeolite-sepiolite composite catalyst. <i>Applied Catalysis A: General</i> , 2022, 636, 118586.	2.2	7
17	Reaction mechanism and intrinsic kinetics of sugar hydrogenation to sugar alcohols on solid foam Ru/C catalysts – From arabinose and galactose to arabitol and galactitol. <i>Chemical Engineering Science</i> , 2022, 254, 117627.	1.9	5
18	Furfural Oxidation with Hydrogen Peroxide Over ZSM-5 Based Micro-Mesoporous Aluminosilicates. <i>Catalysis Letters</i> , 2022, 152, 2920-2932.	1.4	4

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19	Hierarchical Beta Zeolites As Catalysts in \pm -Pinene Oxide Isomerization. ACS Sustainable Chemistry and Engineering, 2022, 10, 6642-6656.	3.2	12
20	Cooperative catalytic nanokinetics. Chemical Engineering Science, 2022, 256, 117684.	1.9	1
21	Bifunctional Pt-Re Catalysts in Hydrodeoxygenation of Isoeugenol as a Model Compound for Renewable Jet Fuel Production. ACS Engineering Au, 2022, 2, 436-449.	2.3	7
22	Catalytic conversion of glucose to methyl levulinate over metal-modified Beta zeolites. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 1971-1986.	0.8	2
23	Structure effect of modified biochar in Ru/C catalysts for sugar mixture hydrogenation. Biomass and Bioenergy, 2022, 163, 106504.	2.9	8
24	Liquid-phase oxidation of betulin over supported Ag NPs catalysts: Kinetic regularities, catalyst deactivation and reactivation. Molecular Catalysis, 2022, 528, 112461.	1.0	3
25	Glucose transformations over a mechanical mixture of ZnO and Ru/C catalysts: Product distribution, thermodynamics and kinetics. Chemical Engineering Journal, 2021, 405, 126945.	6.6	10
26	Experimental and theoretical analysis of particle size effect in liquid-phase hydrogenation of diphenylacetylene. Chemical Engineering Journal, 2021, 404, 126409.	6.6	16
27	Oxidative dehydrogenation of ethanol on gold: Combination of kinetic experiments and computation approach to unravel the reaction mechanism. Journal of Catalysis, 2021, 394, 193-205.	3.1	22
28	Catalytic oxidative transformation of betulin to its valuable oxo-derivatives over gold supported catalysts: Effect of support nature. Catalysis Today, 2021, 367, 95-110.	2.2	8
29	Application of microreactor technology to dehydration of bio-ethanol. Chemical Engineering Science, 2021, 229, 116030.	1.9	14
30	Solvent-free synthesis of tetrahydropyran alcohols over acid-modified clays. Molecular Catalysis, 2021, 499, 111306.	1.0	3
31	Oxidation of glucose and arabinose mixtures over Au/Al ₂ O ₃ . Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 59-72.	0.8	9
32	Chemoselective heterogeneous iridium catalyzed hydrogenation of cinnamalaniline. Catalysis Science and Technology, 2021, 11, 1481-1496.	2.1	1
33	Enhanced H ₂ production in the aqueous-phase reforming of maltose by feedstock pre-hydrogenation. Applied Catalysis B: Environmental, 2021, 281, 119469.	10.8	21
34	Catalytic Hydrogenation/Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. ChemSusChem, 2021, 14, 150-168.	3.6	32
35	Catalytic transformations of citral in a continuous flow over bifunctional Ru-MCM-41 extrudates. Catalysis Science and Technology, 2021, 11, 2873-2884.	2.1	10
36	Selectivity of the Lindlar catalyst in alkyne semi-hydrogenation: a direct liquid-phase adsorption study. Catalysis Science and Technology, 2021, 11, 6205-6216.	2.1	12

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37	Deactivation and regeneration of Pt-modified zeolite Beta-Bindzil extrudates in n-hexane hydroisomerization. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1645-1655.	1.6	4
38	Study of the Product Distribution in the Epoxidation of Propylene over TS-1 Catalyst in a Trickle-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2430-2438.	1.8	15
39	Biogas Reforming over Al-Co Catalyst Prepared by Solution Combustion Synthesis Method. <i>Catalysts</i> , 2021, 11, 274.	1.6	4
40	Supported Silver Nanoparticles as Catalysts for Liquid-Phase Betulin Oxidation. <i>Nanomaterials</i> , 2021, 11, 469.	1.9	3
41	Parameter estimation in kinetic models of complex heterogeneous catalytic reactions using Bayesian statistics. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 1-15.	0.8	14
42	Graphitic Carbon Nitride as a Sustainable Catalyst for Selective Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5128-5137.	3.2	13
43	Catalytic activity of gold nanoparticles deposited on N-doped carbon-based supports in oxidation of glucose and arabinose mixtures. <i>Research on Chemical Intermediates</i> , 2021, 47, 2573.	1.3	6
44	Diffusion Measurements of Hydrocarbons in Zeolites with Pulse-Field Gradient Nuclear Magnetic Resonance Spectroscopy. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 547-557.	0.1	5
45	Mono- and Bimetallic Ni-Co Catalysts in Dry Reforming of Methane. <i>ChemistrySelect</i> , 2021, 6, 3424-3434.	0.7	19
46	Modelling of kinetics, mass transfer and flow pattern on open foam structures in tubular reactors: Hydrogenation of arabinose and galactose on ruthenium catalyst. <i>Chemical Engineering Science</i> , 2021, 233, 116385.	1.9	7
47	Kinetics of liquid-phase diphenylacetylene hydrogenation on a single-atom alloy-Pd-Ag catalyst: Experimental study and kinetic analysis. <i>Molecular Catalysis</i> , 2021, 506, 111550.	1.0	9
48	Application of semibatch technology on the investigation of homogeneously catalyzed consecutive and parallel-consecutive liquid-phase reactions: Kinetic measurements and modelling. <i>Chemical Engineering Science</i> , 2021, 233, 116397.	1.9	0
49	Influence of the initial state of ZrO ₂ on genesis, activity and stability of Ni/ZrO ₂ catalysts for steam reforming of glycerol. <i>Applied Catalysis A: General</i> , 2021, 616, 118098.	2.2	15
50	Catalytic Transformation of Biomass-Derived 5-Hydroxymethylfurfural over Supported Bimetallic Iridium-Based Catalysts. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9657-9678.	1.5	10
51	Catalytic activity of hierarchical beta zeolites in the Prins cyclization of (S)-isopulegol with acetone. <i>Applied Catalysis A: General</i> , 2021, 618, 118131.	2.2	9
52	Ultrasound irradiation as an effective tool in synthesis of the slag-based catalysts for carboxymethylation. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105503.	3.8	5
53	Catalytic synthesis of terpenoid-derived hexahydro-2H-chromenes with analgesic activity over halloysite nanotubes. <i>Applied Catalysis A: General</i> , 2021, 618, 118144.	2.2	7
54	Effect of metal particle shape on hydrogen assisted reactions. <i>Applied Catalysis A: General</i> , 2021, 618, 118140.	2.2	9

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55	Continuous Liquid-Phase Epoxidation of Ethylene with Hydrogen Peroxide on a Titanium-Silicate Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9429-9436.	1.8	19
56	Carboxymethylation of cinnamylalcohol with dimethyl carbonate over the slag-based catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 601-630.	0.8	1
57	Coordination-Dependent Kinetics in the Catalysis of Gold Nanoclusters. <i>ACS Catalysis</i> , 2021, 11, 9073-9085.	5.5	8
58	Bayesian Statistics to Elucidate the Kinetics of γ -Valerolactone from <i>n</i> -Butyl Levulinate Hydrogenation over Ru/C. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11725-11736.	1.8	18
59	Reactor Selection for Upgrading Hemicelluloses: Conventional and Miniaturised Reactors for Hydrogenations. <i>Processes</i> , 2021, 9, 1558.	1.3	1
60	Kinetics of cluster shape sensitive heterogeneous catalytic reactions. <i>Chemical Engineering Journal</i> , 2021, 425, 130642.	6.6	5
61	Hydroconversion of fatty acids and vegetable oils for production of jet fuels. <i>Fuel</i> , 2021, 306, 121673.	3.4	30
62	Hydrodeoxygenation of Isoeugenol over Carbon-Supported Pt and Pt@Re Catalysts for Production of Renewable Jet Fuel. <i>Energy & Fuels</i> , 2021, 35, 17755-17768.	2.5	13
63	Interaction of Intrinsic Kinetics, Catalyst Durability and Internal Mass Transfer in the Oxidation of Sugar Mixtures on Gold Nanoparticle Extrudates. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6483-6500.	1.8	3
64	The physicochemical and catalytic properties of clay extrudates in cyclization of citronellal. <i>Applied Catalysis A: General</i> , 2021, , 118426.	2.2	11
65	Liquid-Phase Hydrogenation of 1-Phenyl-1-propyne on the Pd ₁ Ag ₃ /Al ₂ O ₃ Single-Atom Alloy Catalyst: Kinetic Modeling and the Reaction Mechanism. <i>Nanomaterials</i> , 2021, 11, 3286.	1.9	9
66	Transformation of industrial steel slag with different structure-modifying agents for synthesis of catalysts. <i>Catalysis Today</i> , 2020, 355, 768-780.	2.2	5
67	Introduction to a New Open Access Journal by MDPI: <i>Reactions</i> . <i>Reactions</i> , 2020, 1, 1-2.	0.9	0
68	Kinetic modeling of isobutane dehydrogenation over Ga ₂ O ₃ /Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2020, 381, 122741.	6.6	14
69	Kinetic modelling of heterogeneous catalytic oxidation of furfural with hydrogen peroxide to succinic acid. <i>Chemical Engineering Journal</i> , 2020, 382, 122811.	6.6	12
70	Influence of Structure Sensitivity on Apparent Activation Energy of Parallel Heterogeneous Catalytic Reactions. <i>Catalysis Letters</i> , 2020, 150, 1561-1570.	1.4	2
71	Metal catalysts supported on biochars: Part I synthesis and characterization. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118423.	10.8	43
72	Hydrodeoxygenation of vanillin over noble metal catalyst supported on biochars: Part II: Catalytic behaviour. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118425.	10.8	61

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73	A Simulation Case Study for Bio-based Hydrogen Production from Hardwood Hemicellulose. <i>Computer Aided Chemical Engineering</i> , 2020, 48, 1735-1740.	0.3	0
74	Requiem for the Rate-Determining Step in Complex Heterogeneous Catalytic Reactions?. <i>Reactions</i> , 2020, 1, 37-46.	0.9	4
75	Heterogeneous Catalytic Synthesis of Methyl Lactate and Lactic Acid from Sugars and Their Derivatives. <i>ChemSusChem</i> , 2020, 13, 4833-4855.	3.6	21
76	Cascade transformations of (±)-citronellal to menthol over extruded Ru-MCM-41 catalysts in a continuous reactor. <i>Catalysis Science and Technology</i> , 2020, 10, 8108-8119.	2.1	12
77	Non-Thermal Plasma for Process and Energy Intensification in Dry Reforming of Methane. <i>Catalysts</i> , 2020, 10, 1358.	1.6	42
78	On the optimum catalyst for structure sensitive heterogeneous catalytic reactions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 5-17.	0.8	3
79	Menthylamine synthesis via gold-catalyzed hydrogenation of menthone oxime. <i>Applied Catalysis A: General</i> , 2020, 605, 117799.	2.2	2
80	Pt- and K-promoted supported gallia as a highly stable alternative catalyst for isobutane dehydrogenation. <i>Catalysis Science and Technology</i> , 2020, 10, 7719-7723.	2.1	3
81	Hydrogenation of crude and purified d-glucosone generated by enzymatic oxidation of d-glucose. <i>RSC Advances</i> , 2020, 10, 30476-30480.	1.7	2
82	A Robust Method for the Estimation of Kinetic Parameters for Systems Including Slow and Rapid Reactions—From Differential-Algebraic Model to Differential Model. <i>Processes</i> , 2020, 8, 1552.	1.3	1
83	Heterogeneously Catalyzed ¹³ C-Valerolactone Hydrogenation into 1,4-Pentanediol in Milder Reaction Conditions. <i>Reactions</i> , 2020, 1, 54-71.	0.9	13
84	Synthesis of isobenzofuran derivatives from renewable 2-carene over halloysite nanotubes. <i>Molecular Catalysis</i> , 2020, 490, 110974.	1.0	7
85	Aqueous phase reforming of alcohols over a bimetallic Pt-Pd catalyst in the presence of formic acid. <i>Chemical Engineering Journal</i> , 2020, 398, 125541.	6.6	14
86	Physical and Chemical Characteristics and Functional Properties of Carbon Nitride Materials Obtained by Template Synthesis. <i>Theoretical and Experimental Chemistry</i> , 2020, 55, 392-397.	0.2	1
87	Heterogeneous Catalytic Oxidation of Furfural with Hydrogen Peroxide over Sulfated Zirconia. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13516-13527.	1.8	24
88	Continuous Hydrogenation of Monomeric Sugars and Binary Sugar Mixtures on a Ruthenium Catalyst Supported by Carbon-Coated Open-Cell Aluminum Foam. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13450-13459.	1.8	13
89	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. <i>Fuel</i> , 2020, 278, 118193.	3.4	20
90	Aqueous phase reforming of xylitol and xylose in the presence of formic acid. <i>Catalysis Science and Technology</i> , 2020, 10, 5245-5255.	2.1	7

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91	Stereoselectivity Inversion by Water Addition in the α^{\sim} SO ₃ H-catalyzed Tandem Prins-Ritter Reaction for Synthesis of 4 α^{\sim} amidotetrahydropyran Derivatives. ChemCatChem, 2020, 12, 2605-2609.	1.8	11
92	2. Engineering catalyts. , 2020, , 49-228.		0
93	3. Engineering reactions. , 2020, , 229-390.		0
94	Catalytic synthesis of bioactive 2H-chromene alcohols from (α^{\sim})-isopulegol and acetone on sulfonated clays. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 627-644.	0.8	9
95	Synthesis and Characterization of Palladium Supported Amino Functionalized Magnetic-MOF-MIL-101 as an Efficient and Recoverable Catalyst for Mizoroki-Heck Cross-Coupling. Catalysis Letters, 2020, 150, 2617-2629.	1.4	17
96	4. Engineering technology. , 2020, , 391-532.		0
97	Monoterpenoid Oximes Hydrogenation Over Platinum Catalysts. Topics in Catalysis, 2020, 63, 187-195.	1.3	3
98	Synthesis and physico-chemical characterization of Beta zeolite catalysts: Evaluation of catalytic properties in Prins cyclization of (α^{\sim})-isopulegol. Microporous and Mesoporous Materials, 2020, 302, 110236.	2.2	5
99	Mesolevel Bifunctional Catalysis. Kinetics and Catalysis, 2020, 61, 80-92.	0.3	10
100	Techno-Economic Analysis for Production of α^{\sim} -Arabitol from α^{\sim} -Arabinose. Chemical Engineering and Technology, 2020, 43, 1260-1267.	0.9	4
101	Biohydrogen from dilute side streams - Influence of reaction conditions on the conversion and selectivity in aqueous phase reforming of xylitol. Biomass and Bioenergy, 2020, 138, 105590.	2.9	10
102	Engineering Catalysis. , 2020, , .		11
103	A Scientometric Analysis of Catalysis Research. Journal of Scientometric Research, 2020, 9, 335-343.	0.3	5
104	Comparison of Isobutane/n-Butenes Alkylation over Y-Zeolite Catalyst in CSTR, Fixed Bed and Circulating Flow Reactors. Review Journal of Chemistry, 2020, 10, 58-72.	1.0	4
105	Preparation of chiral izobenzofuranes based on 3-carene in the presence of halloysite nanocatalysts. , 2020, 64, 426-430.	0.0	0
106	Editorial: Aqueous-Phase Catalytic Conversions of Renewable Feedstocks for Sustainable Biorefineries. Frontiers in Chemistry, 2020, 8, 629578.	1.8	3
107	CATALYTIC CONVERSION OF BIOGAS INTO SYNTHESIS GAS ON Ni, Co AND Ni-Co CATALYSTS. Series Chemistry and Technology, 2020, 5, 14-20.	0.1	0
108	High purity fructose from inulin with heterogeneous catalysis from batch to continuous operation. Journal of Chemical Technology and Biotechnology, 2019, 94, 418-425.	1.6	7

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109	Influence of the specific surface area and silver crystallite size of mesoporous Ag/SrTiO ₃ on the selectivity enhancement of ethylene oxide production. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3839-3849.	1.6	4
110	Hydrodeoxygenation of Isoleugenol over Ni- and Co-Supported Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14545-14560.	3.2	33
111	Reductive Amination of Ketones with Benzylamine Over Gold Supported on Different Oxides. <i>Catalysis Letters</i> , 2019, 149, 3432-3446.	1.4	10
112	Molybdenum Nitrides, Carbides and Phosphides as Highly Efficient Catalysts for the (hydro)Deoxygenation Reaction. <i>ChemistrySelect</i> , 2019, 4, 8453-8459.	0.7	20
113	Microreactor coating with Au/Al ₂ O ₃ catalyst for gas-phase partial oxidation of ethanol: Physico-chemical characterization and evaluation of catalytic properties. <i>Chemical Engineering Journal</i> , 2019, 378, 122179.	6.6	9
114	Effect of Binders on the Physicochemical and Catalytic Properties of Extrudate-Shaped Beta Zeolite Catalysts for Cyclization of Citronellal. <i>Organic Process Research and Development</i> , 2019, 23, 2456-2463.	1.3	28
115	Prins cyclisation of (S)-isopulegol with benzaldehyde over ZSM-5 based micro-mesoporous catalysts for production of pharmaceuticals. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1713-1720.	6.9	10
116	Clay nanotubes catalyzed solvent-free synthesis of octahydro-2H-chromenols with pharmaceutical potential from (-)-isopulegol and ketones. <i>Journal of Catalysis</i> , 2019, 380, 145-152.	3.1	19
117	Immobilized chiral rhodium nanoparticles stabilized by chiral P-ligands as efficient catalysts for the enantioselective hydrogenation of 1-phenyl-1,2-propanedione. <i>Molecular Catalysis</i> , 2019, 477, 110551.	1.0	0
118	One-Pot Myrtenol Amination over Au, Au-Pd and Pd Nanoparticles Supported on Alumina. <i>Catalysis Letters</i> , 2019, 149, 3454-3464.	1.4	2
119	On the Scientific Heritage of Mikhail Isaakovich Temkin. <i>Kinetics and Catalysis</i> , 2019, 60, 388-397.	0.3	7
120	Synthesis and Physicochemical Characterization of Shaped Catalysts of β^2 and Y Zeolites for Cyclization of Citronellal. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18084-18096.	1.8	31
121	Prins cyclization of (-)-isopulegol with benzaldehyde for production of chromenols over organosulfonic clays. <i>Molecular Catalysis</i> , 2019, 478, 110569.	1.0	7
122	Hexadecane hydrocracking for production of jet fuels from renewable diesel over proton and metal modified H-Beta zeolites. <i>Molecular Catalysis</i> , 2019, 476, 110515.	1.0	17
123	Preparation of Betulone Via Betulin Oxidation Over Ru Nanoparticles Deposited on Graphitic Carbon Nitride. <i>Catalysis Letters</i> , 2019, 149, 723-732.	1.4	9
124	Highly selective Prins reaction over acid-modified halloysite nanotubes for synthesis of isopulegol-derived 2H-chromene compounds. <i>Journal of Catalysis</i> , 2019, 374, 360-377.	3.1	26
125	Kinetic and Thermodynamic Analysis of Guaiacol Hydrodeoxygenation. <i>Catalysis Letters</i> , 2019, 149, 2453-2467.	1.4	32
126	Effect of the Preparation of Pt-Modified Zeolite Beta-Bentonite Extrudates on Their Catalytic Behavior in n-Hexane Hydroisomerization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10875-10885.	1.8	38

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127	Oxidation of a wood extractive betulin to biologically active oxo-derivatives using supported gold catalysts. <i>Green Chemistry</i> , 2019, 21, 3370-3382.	4.6	11
128	Hydrogen production from sucrose via aqueous-phase reforming. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14605-14623.	3.8	15
129	Experimental studies and kinetic regularities of isobutane dehydrogenation over Ga ₂ O ₃ /Al ₂ O ₃ . <i>Chemical Engineering Journal</i> , 2019, 372, 1194-1204.	6.6	10
130	Hydrodeoxygenation of isoeugenol over Ni-SBA-15: Kinetics and modelling. <i>Applied Catalysis A: General</i> , 2019, 580, 1-10.	2.2	34
131	Synthesis and Characterization of Novel Catalytic Materials Using Industrial Slag: Influence of Alkaline Pretreatment, Synthesis Time and Temperature. <i>Topics in Catalysis</i> , 2019, 62, 738-751.	1.3	9
132	Catalytic oxidation kinetics of arabinose on supported gold nanoparticles. <i>Chemical Engineering Journal</i> , 2019, 370, 952-961.	6.6	14
133	Kinetics of ceria-catalysed ethene oxychlorination. <i>Journal of Catalysis</i> , 2019, 372, 287-298.	3.1	5
134	Pd Supported IRMOF-3: Heterogeneous, Efficient and Reusable Catalyst for Heck Reaction. <i>Catalysis Letters</i> , 2019, 149, 1941-1951.	1.4	29
135	On Apparent Activation Energy of Structure Sensitive Heterogeneous Catalytic Reactions. <i>Catalysis Letters</i> , 2019, 149, 1455-1463.	1.4	17
136	Aldol Condensation of Cyclopentanone with Valeraldehyde Over Metal Oxides. <i>Catalysis Letters</i> , 2019, 149, 1383-1395.	1.4	14
137	Molecular insight on unusually high specific hydrogen adsorption over silicon carbide. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6074-6085.	3.8	6
138	Mesoporous carbon and microporous zeolite supported Ru catalysts for selective levulinic acid hydrogenation into β -valerolactone. <i>Catalysis for Sustainable Energy</i> , 2019, 6, 38-50.	0.7	7
139	Synthesis of menthol from citronellal over supported Ru- and Pt-catalysts in continuous flow. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 2156-2169.	1.9	18
140	Selective hydrodeoxygenation of biomass derived 5-hydroxymethylfurfural over silica supported iridium catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 270-283.	10.8	64
141	Hydrodeoxygenation of phenolic model compounds over zirconia supported Ir and Ni-catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 737-759.	0.8	30
142	Isomerization of β -Pinene Oxide: Solvent Effects, Kinetics and Thermodynamics. <i>Catalysis Letters</i> , 2019, 149, 203-214.	1.4	14
143	Ketonization kinetics of stearic acid. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 601-610.	0.8	6
144	Particle size effect in liquid-phase hydrogenation of phenylacetylene over Pd catalysts: Experimental data and theoretical analysis. <i>Chemical Engineering Journal</i> , 2019, 358, 520-530.	6.6	59

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145	Selectivity Analysis for Networks Comprising Consecutive Reactions of Second and First Order. International Journal of Chemical Reactor Engineering, 2019, 17, .	0.6	2
146	Influence of the support of copper catalysts on activity and 1,2-dichloroethane selectivity in ethylene oxychlorination. Applied Catalysis A: General, 2018, 556, 41-51.	2.2	17
147	Catalytic isomerization of α -pinene oxide in the presence of acid-modified clays. Molecular Catalysis, 2018, 448, 18-29.	1.0	28
148	One-pot monoterpene alcohol amination over Au/ZrO ₂ catalyst: Effect of the substrate structure. Journal of Catalysis, 2018, 360, 127-134.	3.1	22
149	Process design and techno-economical analysis of hydrogen production by aqueous phase reforming of sorbitol. Chemical Engineering Research and Design, 2018, 134, 104-116.	2.7	40
150	Physico-chemical properties of MoO ₃ /ZrO ₂ catalysts prepared by dry mixing for isobutane alkylation and butene transformations. Applied Catalysis B: Environmental, 2018, 230, 246-259.	10.8	25
151	Sibunit-Supported Mono- and Bimetallic Catalysts Used in Aqueous-Phase Reforming of Xylitol. Industrial & Engineering Chemistry Research, 2018, 57, 2050-2067.	1.8	35
152	Ethylene epoxidation over supported silver catalysts – influence of catalyst pretreatment on conversion and selectivity. Journal of Chemical Technology and Biotechnology, 2018, 93, 1549-1557.	1.6	13
153	The Impact of Salts Formed by the Neutralisation of (Ligno)Cellulose Hydrolysates on the Hydrogenation of Sugars. ChemCatChem, 2018, 10, 2409-2416.	1.8	4
154	Fluidized-Bed Isobutane Dehydrogenation over Alumina-Supported Ga ₂ O ₃ and Ga ₂ O ₃ –Cr ₂ O ₃ Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 927-938.	1.8	19
155	Racemization of Secondary Amine-Containing Natural Products Using Heterogeneous Metal Catalysts. ChemCatChem, 2018, 10, 2893-2899.	1.8	4
156	Aqueous-phase reforming of alcohols with three carbon atoms on carbon-supported Pt. Catalysis Today, 2018, 301, 78-89.	2.2	44
157	Catalytic dehydrogenation of ethanol into acetaldehyde and isobutanol using mono- and multicomponent copper catalysts. Comptes Rendus Chimie, 2018, 21, 194-209.	0.2	39
158	High purity fructose from inulin with heterogeneous catalysis – kinetics and modelling. Journal of Chemical Technology and Biotechnology, 2018, 93, 224-232.	1.6	11
159	A structure sensitivity approach to temperature programmed desorption. Applied Catalysis A: General, 2018, 550, 48-56.	2.2	8
160	Kinetic modeling of fatty acid methyl esters and triglycerides hydrodeoxygenation over nickel and palladium catalysts. Chemical Engineering Journal, 2018, 334, 2201-2207.	6.6	40
161	Synthesis of Co/Al ₂ O ₃ Catalysts and Their Application in Heptane Steam Reforming. Catalysis Letters, 2018, 148, 512-522.	1.4	1
162	Morphological features of porous silicon carbide obtained via a carbothermal method. International Journal of Applied Ceramic Technology, 2018, 15, 36-41.	1.1	7

#	ARTICLE	IF	CITATIONS
163	Catalytic myrtenol amination over gold, supported on alumina doped with ceria and zirconia. <i>Catalysis for Sustainable Energy</i> , 2018, 5, 49-58.	0.7	2
164	Synthesis and physicochemical characterization of beta zeolite/bentonite composite materials for shaped catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 6150-6162.	2.1	31
165	Catalytic Hydroisomerization of Long-Chain Hydrocarbons for the Production of Fuels. <i>Catalysts</i> , 2018, 8, 534.	1.6	51
166	Synthesis and Characterization Ru/C/SiO ₂ Aerogel Catalysts for Sugar Hydrogenation Reactions. <i>Catalysis Letters</i> , 2018, 148, 3514-3523.	1.4	13
167	Hydrodeoxygenation of Isoeugenol over Alumina-Supported Ir, Pt, and Re Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16205-16218.	3.2	31
168	Catalytic Conversion of Hexanol to 2-Butyl-octanol Through the Guerbet Reaction. <i>Topics in Catalysis</i> , 2018, 61, 1888-1900.	1.3	3
169	Preparation of chiral isobenzofurans from 3-carene in the presence of modified clays. <i>Molecular Catalysis</i> , 2018, 459, 38-45.	1.0	5
170	Valorization of Biomass Derived Terpene Compounds by Catalytic Amination. <i>Catalysts</i> , 2018, 8, 365.	1.6	14
171	Production of Cycloalkanes in Hydrodeoxygenation of Isoeugenol Over Pt- and Ir-Modified Bifunctional Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2841-2854.	1.0	28
172	Hydrodeoxygenation of vanillin over carbon supported metal catalysts. <i>Applied Catalysis A: General</i> , 2018, 561, 137-149.	2.2	73
173	Vanillin Hydrodeoxygenation: Kinetic Modelling and Solvent Effect. <i>Catalysis Letters</i> , 2018, 148, 2856-2868.	1.4	16
174	Reductive N-methylation of amines using dimethyl carbonate and molecular hydrogen: Mechanistic insights through kinetic modelling. <i>Chemical Engineering Journal</i> , 2018, 351, 1129-1136.	6.6	17
175	Ethene oxychlorination over CuCl ₂ /Al ₂ O ₃ catalyst in micro- and millistructured reactors. <i>Journal of Catalysis</i> , 2018, 364, 334-344.	3.1	18
176	Hydrogenation of (S)-Carvone in Presence of Gold Catalysts: Role of the Support. <i>Catalysis in Industry</i> , 2018, 10, 159-165.	0.3	1
177	Kinetics of Catalytic Wet Peroxide Oxidation of Phenolics in Olive Oil Mill Wastewaters over Copper Catalysts. <i>ACS Omega</i> , 2018, 3, 7247-7260.	1.6	13
178	Zeta Potential of Beta Zeolites: Influence of Structure, Acidity, pH, Temperature and Concentration. <i>Molecules</i> , 2018, 23, 946.	1.7	45
179	Acid-modified Halloysite Nanotubes as a Stereoselective Catalyst for Synthesis of 2-Chromene Derivatives by the Reaction of Isopulegol with Aldehydes. <i>ChemCatChem</i> , 2018, 10, 3950-3954.	1.8	21
180	Modified Ag/TiO ₂ systems: Promising catalysts for liquid-phase oxidation of alcohols. <i>Fuel</i> , 2018, 234, 110-119.	3.4	14

#	ARTICLE	IF	CITATIONS
181	Melamine-derived graphitic carbon nitride as a new effective metal-free catalyst for Knoevenagel condensation of benzaldehyde with ethylcyanoacetate. <i>Catalysis Science and Technology</i> , 2018, 8, 2928-2937.	2.1	91
182	Isomerization of α -pinene oxide over ZSM-5 based micro-mesoporous materials. <i>Applied Catalysis A: General</i> , 2018, 560, 236-247.	2.2	33
183	Preparation of octahydro-2 H -chromen-4-ol with analgesic activity from isopulegol and thiophene-2-carbaldehyde in the presence of acid-modified clays. <i>Molecular Catalysis</i> , 2018, 453, 139-148.	1.0	24
184	Two-step synthesis of monoterpenoid dioxinols exhibiting analgesic activity from isopulegol and benzaldehyde over heterogeneous catalysts. <i>Catalysis Today</i> , 2017, 279, 56-62.	2.2	10
185	Hydrodeoxygenation of stearic acid and tall oil fatty acids over Ni-alumina catalysts: Influence of reaction parameters and kinetic modelling. <i>Chemical Engineering Journal</i> , 2017, 316, 401-409.	6.6	78
186	Kinetics and modelling of furfural oxidation with hydrogen peroxide over a fibrous heterogeneous catalyst: effect of reaction parameters on yields of succinic acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2206-2220.	1.6	27
187	Sulfur-free Ni catalyst for production of green diesel by hydrodeoxygenation. <i>Journal of Catalysis</i> , 2017, 347, 205-221.	3.1	89
188	On Spatial Control in Heterogeneous Multifunctional Catalysts. <i>Catalysis Letters</i> , 2017, 147, 613-621.	1.4	15
189	Promoting effect of alcohols and formic acid on Au-catalyzed one-pot myrtenol amination. <i>Molecular Catalysis</i> , 2017, 433, 414-419.	1.0	14
190	A Combined Theoretical and Experimental Approach for Platinum Catalyzed 1,2-Propanediol Aqueous Phase Reforming. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14636-14648.	1.5	5
191	Solvent-free "green" amidation of stearic acid for synthesis of biologically active alkylamides over iron supported heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2017, 542, 350-358.	2.2	9
192	Aldose to ketose interconversion: galactose and arabinose isomerization over heterogeneous catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 5321-5331.	2.1	29
193	New insights in evaluation of acid sites in micro-mesoporous zeolite-like materials using potentiometric titration method. <i>Applied Catalysis A: General</i> , 2017, 543, 34-42.	2.2	10
194	Interpretation of rate optima vs reaction parameters in steady state catalytic kinetics: Molecular aspects beyond concentration dependences. <i>Molecular Catalysis</i> , 2017, 433, 321-333.	1.0	6
195	Carbothermal synthesis of porous silicon carbide using mesoporous silicas. <i>Journal of Materials Science</i> , 2017, 52, 3917-3926.	1.7	20
196	Direct Amination of Dodecanol over Noble and Transition Metal Supported Silica Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12878-12887.	1.8	14
197	Pd ₃ Sn nanoparticles on TiO ₂ and ZnO supports as catalysts for semi-hydrogenation: Synthesis and catalytic performance. <i>Applied Catalysis A: General</i> , 2017, 544, 40-45.	2.2	29
198	Solid Base Assisted <i>n</i> -Pentanol Coupling over VIII Group Metals: Elucidation of the Guerbet Reaction Mechanism by DRIFTS. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13310-13321.	1.8	22

#	ARTICLE	IF	CITATIONS
199	Synthesis and characterization of Au nano particles supported catalysts for partial oxidation of ethanol: Influence of solution pH, Au nanoparticle size, support structure and acidity. <i>Journal of Catalysis</i> , 2017, 353, 223-238.	3.1	30
200	Preface to the Tapio Salmi Festschrift in Industrial & Engineering Chemistry Research. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12849-12851.	1.8	0
201	Catalytic isomerization of α -pinene and 3-carene in the presence of modified layered aluminosilicates. <i>Molecular Catalysis</i> , 2017, 443, 193-202.	1.0	26
202	The synthesis of Ru/CNF colloidal catalysts: Comparison of ex-situ and in-situ methods. <i>Materials Today: Proceedings</i> , 2017, 4, 11364-11370.	0.9	2
203	Size-controlled reverse microemulsion synthesis of Ni and Co metal nanoparticles. <i>Materials Today: Proceedings</i> , 2017, 4, 11385-11391.	0.9	5
204	Kinetics, Modeling, and Process Design of Hydrogen Production by Aqueous Phase Reforming of Xylitol. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13240-13253.	1.8	22
205	Application of an Extended Shrinking Film Model to Limestone Dissolution. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13254-13261.	1.8	6
206	Application of film theory on the reactions of solid particles with liquids: Shrinking particles with changing liquid films. <i>Chemical Engineering Science</i> , 2017, 160, 161-170.	1.9	12
207	Selectivity control in one-pot myrtenol amination over Au/ZrO ₂ by molecular hydrogen addition. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 60-67.	4.8	12
208	Direct amination of dodecanol with NH ₃ over heterogeneous catalysts. Catalyst screening and kinetic modelling. <i>Chemical Engineering Journal</i> , 2017, 307, 739-749.	6.6	55
209	Kinetics in the thermal and catalytic amidation of C18 fatty acids with ethanolamine for the production of pharmaceuticals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 15-29.	0.8	7
210	Gold catalyzed one-pot myrtenol amination: Effect of catalyst redox activation. <i>Catalysis Today</i> , 2017, 279, 63-70.	2.2	10
211	Stearic acid hydrodeoxygenation over Pd nanoparticles embedded in mesoporous hypercrosslinked polystyrene. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 426-435.	2.9	35
212	Direct hydrodeoxygenation of algal lipids extracted from <i>Chlorella</i> alga. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 741-748.	1.6	17
213	Hydrodeoxygenation of Lignin-Derived Phenols: From Fundamental Studies towards Industrial Applications. <i>Catalysts</i> , 2017, 7, 265.	1.6	85
214	Revisiting the dissolution kinetics of limestone - experimental analysis and modeling. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1517-1531.	1.6	11
215	Kinetic and Theoretical Investigation of Iron(III)-Catalyzed Silane Chlorination. <i>ChemCatChem</i> , 2016, 8, 584-592.	1.8	3
216	Improved synthesis and hydrothermal stability of Pt/C catalysts based on size-controlled nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 5196-5206.	2.1	29

#	ARTICLE	IF	CITATIONS
217	Selective one-pot carveone oxime hydrogenation over titania supported gold catalyst as a novel approach for dihydrocarvone synthesis. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 142-148.	4.8	9
218	Solvent effects in catalysis: implementation for modelling of kinetics. <i>Catalysis Science and Technology</i> , 2016, 6, 5700-5713.	2.1	21
219	Structure Sensitivity in Catalytic Hydrogenation of Galactose and Arabinose over Ru/C Catalysts. <i>Catalysis Letters</i> , 2016, 146, 1291-1299.	1.4	19
220	Extraction of Lipids from <i>Chlorella</i> Alga by Supercritical Hexane and Demonstration of Their Subsequent Catalytic Hydrodeoxygenation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10626-10634.	1.8	9
221	Simple method for preparing of sulfur-doped graphitic carbon nitride with superior activity in CO ₂ photoreduction. <i>ChemistrySelect</i> , 2016, 1, 4987-4993.	0.7	54
222	Thermal and Catalytic Amidation of Stearic Acid with Ethanolamine for Production of Pharmaceuticals and Surfactants. <i>Topics in Catalysis</i> , 2016, 59, 1151-1164.	1.3	7
223	Transformation of tetramethyldisiloxane in used oil alkali treatment conditions: mechanism and kinetic modeling. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 105-112.	1.6	1
224	Recycling of Wastes from the Production of Alumina-Based Catalyst Carriers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9101-9108.	1.8	15
225	Kinetics of the One-Pot Transformation of Citronellal to Menthols on Ru/H-BEA Catalysts. <i>Organic Process Research and Development</i> , 2016, 20, 1647-1653.	1.3	17
226	Unprecedented Selective Heterogeneously Catalysed "Green" Oxidation of Betulin to Biologically Active Compounds using Synthetic Air and Supported Ru Catalysts. <i>ChemistrySelect</i> , 2016, 1, 3866-3869.	0.7	6
227	Elementary Reactions. , 2016, , 101-152.		1
228	Homogeneous Catalytic Kinetics. , 2016, , 221-280.		0
229	Enzymatic Kinetics. , 2016, , 281-343.		7
230	Heterogeneous Catalytic Kinetics. , 2016, , 345-446.		2
231	Development of polyol method for the synthesis of concentrated colloids of PVP-stabilised Ru nanoparticles. <i>International Journal of Nanotechnology</i> , 2016, 13, 15.	0.1	7
232	Review on hydrodynamics and mass transfer in minichannel wall reactors with gas-liquid Taylor flow. <i>Chemical Engineering Research and Design</i> , 2016, 113, 304-329.	2.7	119
233	Controlled synthesis of PVP-based carbon-supported Ru nanoparticles: synthesis approaches, characterization, capping agent removal and catalytic behavior. <i>Catalysis Science and Technology</i> , 2016, 6, 8490-8504.	2.1	15
234	Crystallization of Nano-Calcium Carbonate: The Influence of Process Parameters. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1609-1616.	0.4	5

#	ARTICLE	IF	CITATIONS
235	Complex Reactions. , 2016, , 153-219.		1
236	Kinetics of Catalytic Reactions With Multiple/Multifunctional Catalysts. , 2016, , 447-496.		0
237	Mass Transfer and Catalytic Reactions. , 2016, , 589-664.		0
238	Kinetic Modeling. , 2016, , 665-721.		1
239	Dynamic Catalysis. , 2016, , 497-587.		1
240	Shaping of Sulfated Zirconia Catalysts by Extrusion: Understanding the Role of Binders. Industrial & Engineering Chemistry Research, 2016, 55, 6595-6606.	1.8	34
241	Bridging Organic Chemistry and Heterogeneous Catalysis. Topics in Catalysis, 2016, 59, 1095-1096.	1.3	1
242	$\hat{\alpha}$ -D-Glucopyranose Adsorption on a Pd ₃₀ Cluster Supported on Boron Nitride Nanotube. Topics in Catalysis, 2016, 59, 1178-1184.	1.3	10
243	Transformation of bio-derived acids into fuel-like alkanes via ketonic decarboxylation and hydrodeoxygenation: Design of multifunctional catalyst, kinetic and mechanistic aspects. Journal of Energy Chemistry, 2016, 25, 208-224.	7.1	44
244	Determination of acid sites in porous aluminosilicate solid catalysts for aqueous phase reactions using potentiometric titration method. Journal of Catalysis, 2016, 335, 117-124.	3.1	29
245	Size-controlled synthesis of Ni and Co metal nanoparticles by the modified polyol method. International Journal of Nanotechnology, 2016, 13, 3.	0.1	7
246	Mathematical modeling of starch oxidation by hydrogen peroxide in the presence of an iron catalyst complex. Chemical Engineering Science, 2016, 146, 19-25.	1.9	8
247	Acid hydrolysis of <i>O</i> -acetyl-galactoglucomannan in a continuous tube reactor: a new approach to sugar monomer production. Holzforschung, 2016, 70, 187-194.	0.9	19
248	Aqueous extraction of hemicelluloses from spruce – From hot to warm. Bioresource Technology, 2016, 199, 279-282.	4.8	24
249	Comparative study of sulfur-free nickel and palladium catalysts in hydrodeoxygenation of different fatty acid feedstocks for production of biofuels. Catalysis Science and Technology, 2016, 6, 1476-1487.	2.1	58
250	Acid hydrolysis of xylan. Catalysis Today, 2016, 259, 376-380.	2.2	57
251	Heterogeneous Chemoenzymatic Catalyst Combinations for One-Pot Dynamic Kinetic Resolution Applications. ChemCatChem, 2015, 7, 4004-4015.	1.8	42
252	Pharmaceuticals and Surfactants from Alga-Derived Feedstock: Amidation of Fatty Acids and Their Derivatives with Amino Alcohols. ChemSusChem, 2015, 8, 2670-2680.	3.6	8

#	ARTICLE	IF	CITATIONS
253	The transformation of silicon species contained in used oils under industrially relevant alkali treatment conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1991-1998.	1.6	0
254	Selective hydrogenation of fatty acids to alcohols over highly dispersed ReO /TiO ₂ catalyst. <i>Journal of Catalysis</i> , 2015, 328, 197-207.	3.1	72
255	Maltose hydrogenation over ruthenium nanoparticles impregnated in hypercrosslinked polystyrene. <i>Chemical Engineering Journal</i> , 2015, 282, 37-44.	6.6	15
256	Effect of acidity and texture of micro-, mesoporous and hybrid micromesoporous materials on the synthesis of paramethanolic diol exhibiting anti-Parkinson activity. <i>Journal of Lithic Studies</i> , 2015, 1, 146-154.	0.1	6
257	Preparation of carbide-derived carbon supported platinum catalysts. <i>Catalysis Today</i> , 2015, 249, 30-37.	2.2	22
258	Green catalysis by nanoparticulate catalysts developed for flow processing? Case study of glucose hydrogenation. <i>RSC Advances</i> , 2015, 5, 15898-15908.	1.7	20
259	Iron catalyzed halogenation of benzylic aldehydes and ketones. <i>Catalysis Science and Technology</i> , 2015, 5, 2406-2417.	2.1	9
260	Transformations of 1-(2-Aminophenyl)propan-2-ol to 2-Methylindoline. <i>Catalysis Letters</i> , 2015, 145, 955-963.	1.4	2
261	Properties of adsorbents used for bleaching of vegetable oils and animal fats. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1579-1591.	1.6	18
262	Soot particulates abatement in diesel engine exhaust by catalytic oxidation followed their trapping in filters. <i>Chemical Engineering Journal</i> , 2015, 269, 416-424.	6.6	17
263	Algal products beyond lipids: Comprehensive characterization of different products in direct saponification of green alga <i>Chlorella</i> sp.. <i>Algal Research</i> , 2015, 11, 156-164.	2.4	26
264	On Synthesis and Characterization of Sulfated Alumina–Zirconia Catalysts for Isobutene Alkylation. <i>Catalysis Letters</i> , 2015, 145, 1651-1659.	1.4	14
265	Hemicellulose arabinogalactan hydrolytic hydrogenation over Ru-modified H-USY zeolites. <i>Journal of Catalysis</i> , 2015, 330, 93-105.	3.1	34
266	Kinetics of ethanol hydrochlorination over γ -Al ₂ O ₃ in a microstructured reactor. <i>Chemical Engineering Science</i> , 2015, 134, 681-693.	1.9	4
267	Dynamic non-isothermal trickle bed reactor with both internal diffusion and heat conduction: Sugar hydrogenation as a case study. <i>Chemical Engineering Research and Design</i> , 2015, 102, 171-185.	2.7	24
268	Investigation of Polyol Adsorption on Ru, Pd, and Re Using vdW Density Functionals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17182-17192.	1.5	20
269	Influence of two different alcohols in the esterification of fatty acids over layered zinc stearate/palmitate. <i>Bioresource Technology</i> , 2015, 193, 337-344.	4.8	17
270	Extraction of Spent Bleaching Earth in the Production of Renewable Diesel. <i>Chemical Engineering and Technology</i> , 2015, 38, 769-776.	0.9	19

#	ARTICLE	IF	CITATIONS
271	Combination of Reaction and Separation in Heterogeneous Catalytic Hydrogenation of Ethylformate. <i>Chemical Engineering and Technology</i> , 2015, 38, 804-812.	0.9	3
272	A route to produce renewable diesel from algae: Synthesis and characterization of biodiesel via in situ transesterification of <i>Chlorella</i> alga and its catalytic deoxygenation to renewable diesel. <i>Fuel</i> , 2015, 155, 144-154.	3.4	84
273	Aqueous Phase Reforming of Industrially Relevant Sugar Alcohols with Different Chiralities. <i>ACS Catalysis</i> , 2015, 5, 2989-3005.	5.5	33
274	Esterification of fatty acids with ethanol over layered zinc laurate and zinc stearate – Kinetic modeling. <i>Fuel</i> , 2015, 153, 445-454.	3.4	25
275	Liquid phase hydrogenation of nitrobenzene. <i>Applied Catalysis A: General</i> , 2015, 499, 66-76.	2.2	74
276	Cluster Size Dependent Kinetics: Analysis of Different Reaction Mechanisms. <i>Catalysis Letters</i> , 2015, 145, 1948-1954.	1.4	12
277	Prins cyclization: Synthesis of compounds with tetrahydropyran moiety over heterogeneous catalysts. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 260-270.	4.8	40
278	Lignin isolation from spruce wood with low concentration aqueous alkali at high temperature and pressure: influence of hot-water pre-extraction. <i>Green Chemistry</i> , 2015, 17, 5058-5068.	4.6	25
279	Gold particle size effect in biomass-derived lignan hydroxymatairesinol oxidation over Au/Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2015, 504, 248-255.	2.2	7
280	On the Interaction of Metal Nanoparticles with Supports. <i>Topics in Catalysis</i> , 2015, 58, 1127-1135.	1.3	5
281	Chemoselective Liquid Phase Hydrogenation of 3-Nitrostyrene over Pt Nanoparticles: Synergy with ZnO Support. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8659-8669.	1.8	31
282	Isomerization of verbenol oxide to a diol with para-menthane structure exhibiting anti-Parkinson activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 299-314.	0.8	3
283	Heterogeneous catalysis for transformation of biomass derived compounds beyond fuels: Synthesis of monoterpene dioxinols with analgesic activity. <i>Journal of Molecular Catalysis A</i> , 2015, 397, 48-55.	4.8	16
284	Preparation of selective ZnCl ₂ /alumina catalysts for methyl chloride synthesis: Influence of pH, precursor and zinc loading. <i>Applied Catalysis A: General</i> , 2015, 490, 117-127.	2.2	8
285	Structure sensitivity in catalytic hydrogenation of glucose over ruthenium. <i>Catalysis Today</i> , 2015, 241, 195-199.	2.2	60
286	H- and Fe-modified zeolite beta catalysts for preparation of trans-carveol from \pm -pinene oxide. <i>Catalysis Today</i> , 2015, 241, 237-245.	2.2	40
287	Selective carvone hydrogenation to dihydrocarvone over titania supported gold catalyst. <i>Catalysis Today</i> , 2015, 241, 189-194.	2.2	15
288	Continuous hydrogenation of glucose with ruthenium on carbon nanotube catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 953-959.	2.1	30

#	ARTICLE	IF	CITATIONS
289	The base-catalyzed transformation of tetramethyldisiloxane: influence of reaction media. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 34-43.	1.6	3
290	Arabinogalactan hydrolysis and hydrolytic hydrogenation using functionalized carbon materials. <i>Catalysis Today</i> , 2015, 257, 169-176.	2.2	22
291	One-pot synthesis of (R)-2-acetoxy-1-indanone from 1,2-indanedione combining metal catalyzed hydrogenation and chemoenzymatic dynamic kinetic resolution. <i>Catalysis Science and Technology</i> , 2015, 5, 150-160.	2.1	18
292	Enantioselective Hydrogenation of Ethyl Benzoylformate, from Mechanism and Kinetics to Continuous Reactor Technology. <i>Topics in Catalysis</i> , 2014, 57, 1576-1581.	1.3	1
293	Processing microalgae: beyond lipids. <i>Biofuels</i> , 2014, 5, 29-32.	1.4	5
294	Novel catalysts for conversion of liquid hydrocarbon. <i>Russian Journal of Applied Chemistry</i> , 2014, 87, 1849-1857.	0.1	1
295	Sugars and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass: Comparison of capillary electrophoresis and chromatographic analysis. <i>Catalysis Today</i> , 2014, 223, 18-24.	2.2	27
296	Aqueous phase reforming of xylitol over Pt-Re bimetallic catalyst: Effect of the Re addition. <i>Catalysis Today</i> , 2014, 223, 97-107.	2.2	52
297	Heat Treatment and Chemical Composition of Fatty Acids and Rosin Acids Mixtures: Effects on Their Thermal Properties and Morphology. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1035-1046.	0.8	3
298	Kinetic modeling of hemicellulose hydrolysis in the presence of homogeneous and heterogeneous catalysts. <i>AIChE Journal</i> , 2014, 60, 1066-1077.	1.8	37
299	Hemicellulose hydrolysis and hydrolytic hydrogenation over proton- and metal modified beta zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 189, 189-199.	2.2	37
300	Production of Lactic Acid/Lactates from Biomass and Their Catalytic Transformations to Commodities. <i>Chemical Reviews</i> , 2014, 114, 1909-1971.	23.0	367
301	Isomerization of \pm -pinene oxide using Fe-supported catalysts: Selective synthesis of campholenic aldehyde. <i>Applied Catalysis A: General</i> , 2014, 470, 162-176.	2.2	55
302	Kinetics and catalyst deactivation in the enantioselective hydrogenation of ethyl benzoylformate over Pt/Al ₂ O ₃ . <i>Catalysis Science and Technology</i> , 2014, 4, 170-178.	2.1	12
303	Aqueous-phase reforming of xylitol over Pt/C and Pt/TiC-CDC catalysts: catalyst characterization and catalytic performance. <i>Catalysis Science and Technology</i> , 2014, 4, 387-401.	2.1	54
304	Spruce Hemicellulose for Chemicals Using Aqueous Extraction: Kinetics, Mass Transfer, and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6341-6350.	1.8	47
305	Esterification of Fatty Acids and Short-Chain Carboxylic Acids with Stearyl Alcohol and Sterols. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 537-545.	3.2	10
306	Kinetic Modeling of Sorbitol Aqueous-Phase Reforming over Pt/Al ₂ O ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4580-4588.	1.8	28

#	ARTICLE	IF	CITATIONS
307	Catalyst deactivation and structure sensitivity. <i>Catalysis Science and Technology</i> , 2014, 4, 3340.	2.1	9
308	Kinetic Modeling of Ethyl Benzoylformate Enantioselective Hydrogenation over Pt/Al ₂ O ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11945-11953.	1.8	2
309	Solvent controlled catalysis: Synthesis of aldehyde, acid or ester by selective oxidation of benzyl alcohol with gold nanoparticles on alumina. <i>Applied Catalysis A: General</i> , 2014, 485, 202-206.	2.2	60
310	Obtaining Spruce Hemicelluloses of Desired Molar Mass by using Pressurized Hot Water Extraction. <i>ChemSusChem</i> , 2014, 7, 2947-2953.	3.6	42
311	MODELING OF DRUG DISSOLUTION KINETICS WITH SIGMOIDAL BEHAVIOR FROM ORDERED MESOPOROUS SILICA. <i>Chemical Engineering Communications</i> , 2014, 201, 579-592.	1.5	11
312	Hemicellulose Hydrolysis in the Presence of Heterogeneous Catalysts. <i>Topics in Catalysis</i> , 2014, 57, 1470-1475.	1.3	4
313	Hydrogenation of 2-methylindole using supported metal catalysts. <i>Catalysis Communications</i> , 2014, 56, 41-44.	1.6	13
314	Structure sensitivity in heterogeneous catalysis with noncompetitive adsorption of reactants: Selective oxidation of lignan hydroxymatairesinol to oxomatairesinol over gold catalysts. <i>Comptes Rendus Chimie</i> , 2014, 17, 770-774.	0.2	9
315	Kinetic modeling of one-pot myrtenol amination over Au/ZrO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2014, 238, 164-171.	6.6	21
316	Isomerization of bicyclic terpene epoxides into allylic alcohols without changing of the initial structure. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 162-166.	4.8	17
317	Evolution of heterogeneous catalytic reactions kinetics with time. <i>Comptes Rendus Chimie</i> , 2014, 17, 612-614.	0.2	1
318	Utilisation of a multitubular reactor system for parallel screening of catalysts for ring opening of decalin in continuous mode. <i>Chemical Engineering Journal</i> , 2014, 238, 3-8.	6.6	8
319	Comparative study of the extraction methods for recovery of carotenoids from algae: extraction kinetics and effect of different extraction parameters. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1607-1626.	1.6	56
320	Kinetics of the selective oxidation of the lignan hydroxymatairesinol to oxomatairesinol over Au/Al ₂ O ₃ catalysts. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 154-161.	4.8	2
321	One-pot myrtenol amination over Au nanoparticles supported on different metal oxides. <i>Applied Catalysis A: General</i> , 2013, 464-465, 348-356.	2.2	34
322	Imidazolium-Based Poly(ionic liquid)s as New Alternatives for CO ₂ Capture. <i>ChemSusChem</i> , 2013, 6, 1500-1509.	3.6	75
323	Acid hydrolysis of O-acetyl-galactoglucomannan. <i>Catalysis Science and Technology</i> , 2013, 3, 116-122.	2.1	22
324	On the way to improve cetane number in diesel fuels: Ring opening of decalin over Ir-modified embedded mesoporous materials. <i>Catalysis in Industry</i> , 2013, 5, 105-122.	0.3	8

#	ARTICLE	IF	CITATIONS
325	Catalytic Pyrolysis of Lignocellulosic Biomass. , 2013, , 137-159.		12
326	Solvent Effects in the Enantioselective Hydrogenation of Ethyl Benzoylformate. Catalysis Letters, 2013, 143, 1051-1060.	1.4	15
327	15th Nordic Symposium on Catalysis, Mariehamn, Åland, June 16-18, 2012. Topics in Catalysis, 2013, 56, 511-511.	1.3	0
328	Isomerization of β -Pinene Oxide Over Iron-Modified Zeolites. Topics in Catalysis, 2013, 56, 696-713.	1.3	33
329	Deactivation in Continuous Deoxygenation of C18-Fatty Feedstock over Pd/Sibunit. Topics in Catalysis, 2013, 56, 714-724.	1.3	18
330	Interconversion of Lactose to Lactulose in Alkaline Environment: Comparison of Different Catalysis Concepts. Topics in Catalysis, 2013, 56, 839-845.	1.3	11
331	Effect of catalyst synthesis parameters on the metal particle size. Applied Catalysis A: General, 2013, 451, 251-281.	2.2	106
332	Catalysis in Biomass Processing. , 2013, , 559-586.		6
333	Integrated modelling of reaction and catalyst deactivation kinetics—Hydrogenation of sitosterol to sitostanol over a palladium catalyst. Chemical Engineering Science, 2013, 104, 156-165.	1.9	6
334	Kinetics of Lactose Hydrogenation over Ruthenium Nanoparticles in Hypercrosslinked Polystyrene. Industrial & Engineering Chemistry Research, 2013, 52, 14066-14080.	1.8	22
335	Technology for rerefining used lube oils applied in Europe: a review. Journal of Chemical Technology and Biotechnology, 2013, 88, 1780-1793.	1.6	44
336	New modelling approach to liquid–solid reaction kinetics: From ideal particles to real particles. Chemical Engineering Research and Design, 2013, 91, 1876-1889.	2.7	33
337	Base-Catalyzed Transformations of Tetramethyldisiloxane. Industrial & Engineering Chemistry Research, 2013, 52, 10080-10088.	1.8	9
338	Preparation and characterization of neat and ZnCl ₂ modified zeolites and alumina for methyl chloride synthesis. Applied Catalysis A: General, 2013, 468, 120-134.	2.2	32
339	Methyl chloride synthesis over Al ₂ O ₃ catalyst coated microstructured reactor—Thermodynamics, kinetics and mass transfer. Chemical Engineering Science, 2013, 95, 232-245.	1.9	25
340	CO ₂ capture from biogas: absorbent selection. RSC Advances, 2013, 3, 2979.	1.7	33
341	Chemical Characterization of Lube Oils. Energy & Fuels, 2013, 27, 27-34.	2.5	66
342	Catalytic oxidation of rare sugars over gold catalysts. Catalysis Science and Technology, 2013, 3, 297-307.	2.1	44

#	ARTICLE	IF	CITATIONS
343	Regioselective Hydrogenation of 1,2-Indanedione Over Heterogeneous Pd and Pt Catalysts. <i>Catalysis Letters</i> , 2013, 143, 142-149.	1.4	5
344	Intensification of hemicellulose hot-water extraction from spruce wood in a batch extractor – Effects of wood particle size. <i>Bioresource Technology</i> , 2013, 143, 212-220.	4.8	65
345	Influence of the synthesis parameters on the physico-chemical and catalytic properties of cerium oxide for application in the synthesis of diethyl carbonate. <i>Materials Chemistry and Physics</i> , 2013, 143, 65-75.	2.0	26
346	Pyrolysis of pine and gasification of pine chars – Influence of organically bound metals. <i>Bioresource Technology</i> , 2013, 128, 22-29.	4.8	63
347	Pyrolysis of beet pulp in a fluidized bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 426-432.	2.6	6
348	Microreactors as tools in kinetic investigations: Ethylene oxide formation on silver catalyst. <i>Chemical Engineering Science</i> , 2013, 87, 306-314.	1.9	42
349	Oxygen-Assisted Hydroxymatairesinol Dehydrogenation: A Selective Secondary Alcohol Oxidation over a Gold Catalyst. <i>Chemistry - A European Journal</i> , 2013, 19, 4577-4585.	1.7	13
350	The influence of various synthesis methods on the catalytic activity of cerium oxide in one-pot synthesis of diethyl carbonate starting from CO ₂ , ethanol and butylene oxide. <i>Catalysis Today</i> , 2013, 210, 47-54.	2.2	35
351	Experimental and Modeling Study of Catalytic Hydrogenation of Glucose to Sorbitol in a Continuously Operating Packed-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7690-7703.	1.8	18
352	Isomerization of β -pinene oxide over Sn-modified zeolites. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 228-237.	4.8	28
353	Oxidation of Starch by H ₂ O ₂ in the Presence of Iron Tetrasulfophthalocyanine Catalyst: The Effect of Catalyst Concentration, pH, Solid-Liquid Ratio, and Origin of Starch. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9351-9358.	1.8	22
354	Opening of monoterpene epoxide to a potent anti-Parkinson compound of para-menthane structure over heterogeneous catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 449-458.	0.8	14
355	Kinetic Studies on <i>sec</i> -Alcohol Racemization with Dicarboxylchloro(pentabenzylcyclopentadienyl) and Dicarboxylchloro(pentaphenylcyclopentadienyl)ruthenium Catalysts. <i>ChemCatChem</i> , 2013, 5, 2436-2445.	1.8	5
356	On the performance of Ag/Al ₂ O ₃ as a HC-SCR catalyst – influence of silver loading, morphology and nature of the reductant. <i>Catalysis Science and Technology</i> , 2013, 3, 644-653.	2.1	38
357	Selective Preparation of trans-Carveol over Ceria Supported Mesoporous Materials MCM-41 and SBA-15. <i>Materials</i> , 2013, 6, 2103-2118.	1.3	27
358	Ionic liquids versus amine solutions in biogas upgrading: the level of volatile organic compounds. <i>Biofuels</i> , 2013, 4, 295-311.	1.4	9
359	Amine Solutions for Biogas Upgrading: Ideal versus Non-Ideal Absorption Isotherms. <i>Chemical Engineering and Technology</i> , 2013, 36, 740-748.	0.9	14
360	Selective Oxidation/Dehydrogenation Reactions. <i>Springer Briefs in Molecular Science</i> , 2013, , 11-31.	0.1	0

#	ARTICLE	IF	CITATIONS
361	Gold Catalysts Stability. Springer Briefs in Molecular Science, 2013, , 47-49.	0.1	0
362	Isomerization Reactions. Springer Briefs in Molecular Science, 2013, , 43-45.	0.1	0
363	2.3 Thermal Conversion of Biomass. , 2012, , 109-124.		0
364	Effect of the Load Size on the Efficiency of Microwave Heating Under Stop Flow and Continuous Flow Conditions. Journal of Microwave Power and Electromagnetic Energy, 2012, 46, 83-92.	0.4	24
365	On Cluster Size Dependent Activity and Selectivity in Heterogeneous Catalysis. Catalysis Letters, 2012, 142, 1279-1285.	1.4	13
366	Ethylene oxide " kinetics and mechanism. Current Opinion in Chemical Engineering, 2012, 1, 321-327.	3.8	13
367	Gas-phase microreactors as a powerful tool for kinetic investigations. Russian Journal of General Chemistry, 2012, 82, 2034-2059.	0.3	4
368	Gold Catalysts for Selective Aerobic Oxidation of the Lignan Hydroxymatairesinol to Oxomatairesinol: Catalyst Deactivation and Regeneration. Catalysis Letters, 2012, 142, 1011-1019.	1.4	9
369	Hydrolytic hydrogenation of hemicellulose over metal modified mesoporous catalyst. Catalysis Today, 2012, 196, 26-33.	2.2	35
370	Evolution of carbonaceous deposits on H-mordenite and Pt-doped H-mordenite during n-butane conversion. Journal of Catalysis, 2012, 296, 132-142.	3.1	15
371	Kinetics of l-arabinoseoxidation over supported goldcatalysts with in situcatalyst electrical potential measurements. Catalysis Science and Technology, 2012, 2, 423-431.	2.1	20
372	<scp>l</scp>-Arabinose Conformers Adsorption on Ruthenium Surfaces: A DFT Study. Journal of Physical Chemistry C, 2012, 116, 14908-14916.	1.5	11
373	Low temperature gas-phase oxidation of ethanol over Au/TiO2. Applied Catalysis A: General, 2012, 433-434, 88-95.	2.2	52
374	Aqueous phase reforming of xylitol and sorbitol: Comparison and influence of substrate structure. Applied Catalysis A: General, 2012, 435-436, 172-180.	2.2	86
375	CO2 removal with "switchable"™ versus "classical"™ ionic liquids. Separation and Purification Technology, 2012, 97, 42-50.	3.9	48
376	Hydrogenation of geraniol using ruthenium"BINAP catalysts. Catalysis Science and Technology, 2012, 2, 1901.	2.1	2
377	Fatty Acids-Derived Fuels from Biomass via Catalytic Deoxygenation. , 2012, , 199-220.		2
378	Influence of Hydrogen in Catalytic Deoxygenation of Fatty Acids and Their Derivatives over Pd/C. Industrial & Engineering Chemistry Research, 2012, 51, 8922-8927.	1.8	105

#	ARTICLE	IF	CITATIONS
379	Lipase-catalyzed acylation in a continuous down-flow fixed-bed reactor. <i>Kinetics and Catalysis</i> , 2012, 53, 673-683.	0.3	6
380	Comparative Study of Au Modified Beta, MCM-22, Mordenite, ZSM-5, MCM-41, Ce-MCM-41 Catalysts in Piperonyl Alcohol Oxidation. <i>Current Catalysis</i> , 2012, 1, 58-66.	0.5	7
381	Preparation and Characterization of Alumina-Based Microreactors for Application in Methyl Chloride Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4545-4555.	1.8	32
382	Catalytic Transformations of Birch Kraft Pulp. <i>ACS Catalysis</i> , 2012, 2, 1381-1393.	5.5	30
383	Mechanistic model for kinetics of propene hydroformylation with Rh catalyst. <i>AIChE Journal</i> , 2012, 58, 2192-2201.	1.8	8
384	Capturing CO ₂ : conventional versus ionic-liquid based technologies. <i>Russian Chemical Reviews</i> , 2012, 81, 435-457.	2.5	43
385	Hydrogenation of Citral Over Carbon Supported Iridium Catalysts. <i>Catalysis Letters</i> , 2012, 142, 690-697.	1.4	15
386	Catalysis for Lignocellulosic Biomass Processing: Methodological Aspects. <i>Catalysis Letters</i> , 2012, 142, 676-689.	1.4	10
387	Catalysis for Lignocellulosic Biomass Processing: Methodological Aspects. <i>Catalysis Letters</i> , 2012, 142, 817-829.	1.4	4
388	Catalytic Transformation of Abietic Acid to Hydrocarbons. <i>Topics in Catalysis</i> , 2012, 55, 673-679.	1.3	20
389	From woody biomass extractives to health-promoting substances: Selective oxidation of the lignan hydroxymatairesinol to oxomatairesinol over Au, Pd, and Au@Pd heterogeneous catalysts. <i>Journal of Catalysis</i> , 2012, 291, 95-103.	3.1	21
390	Dimerization of 1-butene in liquid phase reaction: Influence of structure, pore size and acidity of Beta zeolite and MCM-41 mesoporous material. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 127-134.	2.2	20
391	Characterization of MFI and BEA embedded in mesoporous molecular sieve @ Thermal stability. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 124-132.	2.2	4
392	Synthesis and characterization of solid base mesoporous and microporous catalysts: Influence of the support, structure and type of base metal. <i>Microporous and Mesoporous Materials</i> , 2012, 152, 71-77.	2.2	44
393	Deposition of carbonaceous species over Ag/alumina catalysts for the HC-SCR of NO _x under lean conditions: a qualitative and quantitative study. <i>Catalysis Science and Technology</i> , 2011, 1, 1456.	2.1	7
394	Kinetics of lactose and rhamnose oxidation over supported metal catalysts. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9268.	1.3	19
395	Structure Sensitivity in D-Arabinose Oxidation over Au/Al ₂ O ₃ Catalysts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1036-1043.	1.5	37
396	Batch and Semibatch Partial Oxidation of Starch by Hydrogen Peroxide in the Presence of an Iron Tetrasulfophthalocyanine Catalyst: The Effect of Ultrasound and the Catalyst Addition Policy. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 749-757.	1.8	29

#	ARTICLE	IF	CITATIONS
397	Kinetics of Aqueous Extraction of Hemicelluloses from Spruce in an Intensified Reactor System. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3818-3828.	1.8	61
398	Step Changes and Deactivation Behavior in the Continuous Decarboxylation of Stearic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11049-11058.	1.8	42
399	Nanokinetics for nanocatalysis. <i>Catalysis Science and Technology</i> , 2011, 1, 380.	2.1	37
400	Simultaneous detection of the absorption spectrum and refractive index ratio with a spectrophotometer: monitoring contaminants in bioethanol. <i>Measurement Science and Technology</i> , 2011, 22, 055803.	1.4	6
401	Inversion of the Enantioselectivity in the Hydrogenation of (<i>E</i>)-2,3-diphenylpropenoic Acids over Pd Modified by Cinchonidine Silyl Ethers. <i>ACS Catalysis</i> , 2011, 1, 1316-1326.	5.5	23
402	Catalytic Deoxygenation of Tall Oil Fatty Acid over Palladium Supported on Mesoporous Carbon. <i>Energy & Fuels</i> , 2011, 25, 2815-2825.	2.5	82
403	Chemo-bio catalyzed synthesis of R-1-phenylethyl acetate over bimetallic PdZn catalysts, lipase, and Ru/Al ₂ O ₃ . part I. <i>Kinetics and Catalysis</i> , 2011, 52, 72-76.	0.3	4
404	Chemo-bio catalyzed synthesis of R-1-phenylethyl acetate over bimetallic PdZn catalysts, lipase, and Ru/Al ₂ O ₃ . Part II. <i>Kinetics and Catalysis</i> , 2011, 52, 77-81.	0.3	5
405	Physicochemical stability of high indomethacin payload ordered mesoporous silica MCM-41 and SBA-15 microparticles. <i>International Journal of Pharmaceutics</i> , 2011, 416, 242-51.	2.6	50
406	Oxidative dehydrogenation of a biomass derived lignan "Hydroxymatairesinol over heterogeneous gold catalysts. <i>Journal of Catalysis</i> , 2011, 282, 54-64.	3.1	29
407	Influence of the support composition and acidity on the catalytic properties of mesoporous SBA-15, Al-SBA-15, and Al ₂ O ₃ -supported Pt catalysts for cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , 2011, 282, 228-236.	3.1	78
408	Kinetics of dimethyl carbonate synthesis from methanol and carbon dioxide over ZrO ₂ -MgO catalyst in the presence of butylene oxide as additive. <i>Applied Catalysis A: General</i> , 2011, 404, 39-39.	2.2	9
409	Palladium catalysts supported on N-functionalized hollow vapor-grown carbon nanofibers: The effect of the basic support and catalyst reduction temperature. <i>Applied Catalysis A: General</i> , 2011, 408, 137-147.	2.2	12
410	Evaluation of gold on alumina catalyst deactivation dynamics during α -pinene isomerization. <i>Chemical Engineering Journal</i> , 2011, 176-177, 42-48.	6.6	25
411	Enhanced yields of diethyl carbonate via one-pot synthesis from ethanol, carbon dioxide and butylene oxide over cerium (IV) oxide. <i>Chemical Engineering Journal</i> , 2011, 176-177, 124-133.	6.6	48
412	Revisiting shrinking particle and product layer models for fluid-solid reactions "From ideal surfaces to real surfaces. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011, 50, 1076-1084.	1.8	18
413	Common potholes in modeling solid-liquid reactions" methods for avoiding them. <i>Chemical Engineering Science</i> , 2011, 66, 4459-4467.	1.9	18
414	Synthesis of Sugars by Hydrolysis of Hemicelluloses- A Review. <i>Chemical Reviews</i> , 2011, 111, 5638-5666.	23.0	350

#	ARTICLE	IF	CITATIONS
415	Selective Oxidation of D -Galactose over Gold Catalysts. ChemCatChem, 2011, 3, 1789-1798.	1.8	27
416	Catalysis in biomass processing. Catalysis in Industry, 2011, 3, 218-249.	0.3	52
417	Selective Hydrolysis of Arabinogalactan into Arabinose and Galactose Over Heterogeneous Catalysts. Catalysis Letters, 2011, 141, 408-412.	1.4	44
418	Did Chemisorption Become an Obsolete Method With Advent of Tem? Comparison of Mean Particle Size and Distribution of Silver on Alumina. Catalysis Letters, 2011, 141, 665-669.	1.4	7
419	Influence of Cluster Size Distribution on Cluster Size Dependent Catalytic Kinetics. Catalysis Letters, 2011, 141, 982-986.	1.4	5
420	The Effect of Alkoxide Ionic Liquids on the Synthesis of Dimethyl Carbonate from CO ₂ and Methanol over ZrO ₂ -MgO. Catalysis Letters, 2011, 141, 1254-1261.	1.4	49
421	Unusual behavior of modifier mixtures in heterogeneous enantioselective catalysis: beyond nonlinear phenomena. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 1-9.	0.8	8
422	Thermodynamic analysis of the cluster size evolution in catalyst preparation by deposition-precipitation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 104, 259-266.	0.8	15
423	Catalytic Deoxygenation of C18 Fatty Acids Over Mesoporous Pd/C Catalyst for Synthesis of Biofuels. Topics in Catalysis, 2011, 54, 460-466.	1.3	64
424	Catalytic Pyrolysis of Pine Biomass Over H-Beta Zeolite in a Dual-Fluidized Bed Reactor: Effect of Space Velocity on the Yield and Composition of Pyrolysis Products. Topics in Catalysis, 2011, 54, 941-948.	1.3	48
425	Drug Delivery Formulations of Ordered and Nonordered Mesoporous Silica: Comparison of Three Drug Loading Methods. Journal of Pharmaceutical Sciences, 2011, 100, 3294-3306.	1.6	144
426	Sugar hydrogenation over a Ru/C catalyst. Journal of Chemical Technology and Biotechnology, 2011, 86, 658-668.	1.6	64
427	Valorization of cellulose over metal supported mesoporous materials. Catalysis Today, 2011, 167, 91-95.	2.2	59
428	Transformation of levoglucosan over H-MCM-22 zeolite and H-MCM-41 mesoporous molecular sieve catalysts. Biomass and Bioenergy, 2011, 35, 1967-1976.	2.9	20
429	Selective oxidation of arabinose to arabinonic acid over Pd-Au catalysts supported on alumina and ceria. Applied Catalysis A: General, 2011, 392, 69-79.	2.2	42
430	Pillared H-MCM-36 mesoporous and H-MCM-22 microporous materials for conversion of levoglucosan: Influence of varying acidity. Applied Catalysis A: General, 2011, 397, 13-21.	2.2	23
431	Solid-liquid reaction kinetics - experimental aspects and model development. Reviews in Chemical Engineering, 2011, 27, .	2.3	31
432	Kinetic modeling of lipase-mediated one-pot chemo-bio cascade synthesis of R -phenyl ethyl acetate starting from acetophenone. Journal of Chemical Technology and Biotechnology, 2010, 85, 192-198.	1.6	3

#	ARTICLE	IF	CITATIONS
433	Continuous mode linoleic acid hydrogenation on Pd/sibunit catalyst. <i>Catalysis in Industry</i> , 2010, 2, 95-100.	0.3	3
434	Kinetics of Catalytic Reactions on Nanoclusters. <i>Langmuir</i> , 2010, 26, 4854-4859.	1.6	12
435	Formation of Furfural in Catalytic Transformation of Levoglucosan over Mesoporous Materials. <i>ChemCatChem</i> , 2010, 2, 539-546.	1.8	30
436	Dynamic Kinetic Resolution of <i>rac</i> -2-Hydroxy-1-indanone by using a Heterogeneous Ru(OH) ₃ /Al ₂ O ₃ Racemization Catalyst and Lipase. <i>ChemCatChem</i> , 2010, 2, 1615-1621.	1.8	15
437	Double-peak Catalytic Activity of Nanosized Gold Supported on Titania in Gas-Phase Selective Oxidation of Ethanol. <i>ChemCatChem</i> , 2010, 2, 1535-1538.	1.8	53
438	Formation of Furfural in Catalytic Transformation of Levoglucosan over Mesoporous Materials. <i>ChemCatChem</i> , 2010, 2, 717-717.	1.8	0
439	Chapter 19. Catalytic Deoxygenation of Fatty Acids and their Derivatives for the Production of Renewable Diesel. <i>RSC Energy and Environment Series</i> , 2010, , 496-510.	0.2	6
440	Mechanistic modelling of kinetics and mass transfer for a solid-liquid system: Leaching of zinc with ferric iron. <i>Chemical Engineering Science</i> , 2010, 65, 4460-4471.	1.9	26
441	Diesel-like Hydrocarbons from Catalytic Deoxygenation of Stearic Acid over Supported Pd Nanoparticles on SBA-15 Catalysts. <i>Catalysis Letters</i> , 2010, 134, 250-257.	1.4	91
442	¹¹ C-radiolabeling study of nickel modified H-MCM-41 with methanol as a probe molecule. <i>Journal of Materials Science</i> , 2010, 45, 4229-4235.	1.7	3
443	Reaction Routes in Selective Ring Opening of Naphthenes. <i>Topics in Catalysis</i> , 2010, 53, 1172-1175.	1.3	12
444	Catalytic Deoxygenation of Tall Oil Fatty Acids Over a Palladium-Mesoporous Carbon Catalyst: A New Source of Biofuels. <i>Topics in Catalysis</i> , 2010, 53, 1274-1277.	1.3	65
445	Ring Opening of Decalin Over Zeolite-Supported Iridium Catalysts. <i>Topics in Catalysis</i> , 2010, 53, 1438-1445.	1.3	36
446	Acylation of (R,S)-1-phenylethanol with ethyl acetate over an immobilized enzyme. <i>Research on Chemical Intermediates</i> , 2010, 36, 245-252.	1.3	2
447	Mechanism of the chemo-bio catalyzed cascade synthesis of R-1-phenylethyl acetate over Pd/Al ₂ O ₃ , lipase, and Ru-catalysts. <i>Research on Chemical Intermediates</i> , 2010, 36, 193-210.	1.3	5
448	The effect of palladium dispersion and promoters on lactose oxidation kinetics. <i>Research on Chemical Intermediates</i> , 2010, 36, 423-442.	1.3	9
449	Stability of hydrogen peroxide during perhydrolysis of carboxylic acids on acidic heterogeneous catalysts. <i>Research on Chemical Intermediates</i> , 2010, 36, 389-401.	1.3	4
450	Supported ionic liquids in Burkholderia cepacia lipase-catalyzed asymmetric acylation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 67, 129-134.	1.8	29

#	ARTICLE	IF	CITATIONS
451	Kinetic analysis of cluster size dependent activity and selectivity. <i>Journal of Catalysis</i> , 2010, 276, 85-91.	3.1	73
452	Kinetics and mass transfer in hydroformylation-bulk or film reaction?. <i>Canadian Journal of Chemical Engineering</i> , 2010, 88, n/a-n/a.	0.9	3
453	Reaction Products and Transformations of Intermediates in the Aqueous-Phase Reforming of Sorbitol. <i>ChemSusChem</i> , 2010, 3, 708-718.	3.6	94
454	Kinetics and modeling of (R,S)-1-phenylethanol acylation over lipase. <i>International Journal of Chemical Kinetics</i> , 2010, 42, 629-639.	1.0	8
455	Conventional synthesis methods of short-chain dialkylcarbonates and novel production technology via direct route from alcohol and waste CO ₂ . <i>Applied Catalysis A: General</i> , 2010, 383, 1-13.	2.2	82
456	Selective catalytic oxidation of arabinose—A comparison of gold and palladium catalysts. <i>Applied Catalysis A: General</i> , 2010, 386, 101-108.	2.2	33
457	Deoxygenation of dodecanoic acid under inert atmosphere. <i>Fuel</i> , 2010, 89, 2033-2039.	3.4	93
458	Catalytic upgrading of woody biomass derived pyrolysis vapours over iron modified zeolites in a dual-fluidized bed reactor. <i>Fuel</i> , 2010, 89, 1992-2000.	3.4	139
459	Dissolution of boehmite in sodium hydroxide at ambient pressure: Kinetics and modelling. <i>Hydrometallurgy</i> , 2010, 102, 22-30.	1.8	13
460	The role of bio-ethanol in aqueous phase reforming to sustainable hydrogen. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12642-12649.	3.8	62
461	The man behind the name: Professor Mikhail Temkin. <i>Journal of Molecular Catalysis A</i> , 2010, 315, 105-107.	4.8	1
462	Kinetic modelling of regioselectivity in alkenes hydroformylation over rhodium. <i>Journal of Molecular Catalysis A</i> , 2010, 315, 148-154.	4.8	12
463	Size-dependent heterogeneous catalytic kinetics. <i>Journal of Molecular Catalysis A</i> , 2010, 315, 226-230.	4.8	58
464	Hydrogenolysis of hydroxymatairesinol on Y derived catalysts: A computational study. <i>Journal of Molecular Catalysis A</i> , 2010, 333, 136-144.	4.8	8
465	Selective vapour-phase $\hat{\iota}$ -pinene isomerization to camphene over gold-on-alumina catalyst. <i>Applied Catalysis A: General</i> , 2010, 385, 136-143.	2.2	53
466	Decarboxylation of fatty acids over Pd supported on mesoporous carbon. <i>Catalysis Today</i> , 2010, 150, 28-31.	2.2	117
467	Linoleic acid isomerization over mesoporous carbon supported gold catalysts. <i>Catalysis Today</i> , 2010, 150, 32-36.	2.2	19
468	Modelling of transient kinetics in catalytic three-phase reactors: Enantioselective hydrogenation. <i>Chemical Engineering Science</i> , 2010, 65, 1076-1087.	1.9	14

#	ARTICLE	IF	CITATIONS
469	Systematic conformational search analysis of the SRR and RRR epimers of 7 α -hydroxymatairesinol. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 141-147.	0.9	6
470	Mechanistic investigations of the reaction network in chemo-bio catalyzed synthesis of R-1-phenylethyl acetate. <i>Kinetics and Catalysis</i> , 2010, 51, 809-815.	0.3	1
471	On quantitative description of metal particles size effect in catalytic kinetics. <i>Kinetics and Catalysis</i> , 2010, 51, 828-831.	0.3	18
472	Synthesis of Dimethyl Carbonate from Methanol and Carbon Dioxide: Circumventing Thermodynamic Limitations. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9609-9617.	1.8	88
473	Modeling the Influence of Wood Anisotropy and Internal Diffusion on Delignification Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9703-9711.	1.8	26
474	The Dissolution Kinetics of Gibbsite in Sodium Hydroxide at Ambient Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2600-2607.	1.8	9
475	Cytotoxicity study of ordered mesoporous silica MCM-41 and SBA-15 microparticles on Caco-2 cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 483-494.	2.0	87
476	Effect of the carbon nanotube basicity in Pd/N-CNT catalysts on the synthesis of R-1-phenyl ethyl acetate. <i>Studies in Surface Science and Catalysis</i> , 2010, , 283-287.	1.5	3
477	Catalytic pyrolysis of woody biomass. <i>Biofuels</i> , 2010, 1, 261-273.	1.4	14
478	Catalysts based on platinum-tin and platinum-gallium in close contact for the selective hydrogenation of cinnamaldehyde. <i>Journal of Catalysis</i> , 2009, 263, 146-154.	3.1	46
479	Transforming Triglycerides and Fatty Acids into Biofuels. <i>ChemSusChem</i> , 2009, 2, 1109-1119.	3.6	232
480	Reaction Kinetics and Mechanism of Sulfuric Acid-Catalyzed Acetolysis of Acylated Methyl α -Ribofuranosides. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5666-5676.	1.2	10
481	Reaction kinetics and mechanism of acid-catalyzed anomerization of 1-O-acetyl-2,3,5-tri-O-benzoyl-l-ribofuranose. <i>Carbohydrate Research</i> , 2009, 344, 1102-1109.	1.1	9
482	Synthesis of peroxypropionic acid from propionic acid and hydrogen peroxide over heterogeneous catalysts. <i>Chemical Engineering Journal</i> , 2009, 147, 323-329.	6.6	22
483	Kinetics of the biofuels-assisted SCR of NO _x over Ag/alumina-coated microchannels. <i>Chemical Engineering Journal</i> , 2009, 154, 34-44.	6.6	15
484	Catalytic Deoxygenation of Stearic Acid and Palmitic Acid in Semibatch Mode. <i>Catalysis Letters</i> , 2009, 130, 48-51.	1.4	110
485	Size dependent interface energy and catalytic kinetics on non-ideal surfaces. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 97, 165-171.	0.6	11
486	Kinetics of liquid-phase benzene hydrogenation on Rh/C. <i>Research on Chemical Intermediates</i> , 2009, 35, 1-11.	1.3	6

#	ARTICLE	IF	CITATIONS
487	Lactose oxidation over palladium catalysts supported on active carbons and on carbon nanofibres. <i>Research on Chemical Intermediates</i> , 2009, 35, 155-174.	1.3	14
488	DRIFT, XPS and XAS Investigation of Au ⁰ /Ni/Al ₂ O ₃ Synergetic Catalyst for Allylbenzene Isomerization. <i>Topics in Catalysis</i> , 2009, 52, 344-350.	1.3	30
489	X-Ray Photoelectron Spectroscopy Investigation of Pd-Beta Zeolite Catalysts with Different Acidities. <i>Topics in Catalysis</i> , 2009, 52, 359-379.	1.3	9
490	Synthesis of Ru-modified MCM-41 Mesoporous Material, Y and Beta Zeolite Catalysts for Ring Opening of Decalin. <i>Topics in Catalysis</i> , 2009, 52, 380-386.	1.3	17
491	Interplay Between the Active Phase and Support: Preparation, Characterization and Catalytic Performance. <i>Topics in Catalysis</i> , 2009, 52, 333-333.	1.3	3
492	Selective Catalytic Reduction of NO _x Over Nano-Sized Gold Catalysts Supported on Alumina and Titania and Over Bimetallic Gold ⁰ /Silver Catalysts Supported on Alumina. <i>Topics in Catalysis</i> , 2009, 52, 1762-1765.	1.3	15
493	Ring-opening of decalin – Kinetic modelling. <i>Fuel</i> , 2009, 88, 366-373.	3.4	26
494	Application of linear free-energy relationships to perhydrolysis of different carboxylic acids over homogeneous and heterogeneous catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 303, 148-155.	4.8	20
495	Describing the inverse dependence of hydrogen pressure by multi-site adsorption of the reactant: Hydrogenolysis of hydroxymatairesinol on a Pd/C catalyst. <i>Journal of Molecular Catalysis A</i> , 2009, 306, 33-39.	4.8	26
496	One-pot utilization of heterogeneous and enzymatic catalysis: Synthesis of R-1-phenylethyl acetate from acetophenone. <i>Catalysis Today</i> , 2009, 140, 70-73.	2.2	17
497	Experimental and modelling aspects in microstructured reactors applied to environmental catalysis. <i>Catalysis Today</i> , 2009, 147, S149-S155.	2.2	11
498	Kinetics, catalyst deactivation and modeling in the hydrogenation of Δ^2 -sitosterol to Δ^2 -sitostanol over microporous and mesoporous carbon supported Pd catalysts. <i>Chemical Engineering Journal</i> , 2009, 154, 45-51.	6.6	29
499	Kinetics of starch oxidation using hydrogen peroxide as an environmentally friendly oxidant and an iron complex as a catalyst. <i>Chemical Engineering Journal</i> , 2009, 154, 52-59.	6.6	89
500	Modelling of enantioselective and racemic hydrogenation of ethyl pyruvate on a Pt/Al ₂ O ₃ catalyst in the presence of microwave irradiation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 837-845.	1.8	11
501	Thermodynamic analysis of nanoparticle size effect on catalytic kinetics. <i>Chemical Engineering Science</i> , 2009, 64, 1046-1052.	1.9	78
502	Interaction of intrinsic kinetics and internal mass transfer in porous ion-exchange catalysts: Green synthesis of peroxycarboxylic acids. <i>Chemical Engineering Science</i> , 2009, 64, 4101-4114.	1.9	29
503	Modeling of kinetics and stereoselectivity in liquid-phase Δ^1 -pinene hydrogenation over Pd/C. <i>Applied Catalysis A: General</i> , 2009, 356, 216-224.	2.2	48
504	Pd/H-Beta catalysts: Characterization and reactivity in piperonyl alcohol selective oxidation. <i>Applied Catalysis A: General</i> , 2009, 359, 144-150.	2.2	10

#	ARTICLE	IF	CITATIONS
505	Kinetic behaviour of HC-SCR over Ag/alumina catalyst using a model paraffinic second generation biodiesel compound. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 603-612.	10.8	22
506	Kinetics of linoleic acid hydrogenation on Pd/C catalyst. <i>Applied Catalysis A: General</i> , 2009, 353, 166-180.	2.2	22
507	Deoxygenation of palmitic and stearic acid over supported Pd catalysts: Effect of metal dispersion. <i>Applied Catalysis A: General</i> , 2009, 355, 100-108.	2.2	209
508	Hydroformylation of 1-Butene on Rh Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1325-1331.	1.8	3
509	Overview of catalytic methods for production of next generation biodiesel from natural oils and fats. <i>Russian Journal of Physical Chemistry B</i> , 2009, 3, 1035-1043.	0.2	50
510	Decalin ring opening reactions on ruthenium-containing zeolite MCM-41. <i>Petroleum Chemistry</i> , 2009, 49, 90-93.	0.4	9
511	Lactose oxidation kinetics with oxygen in catalyst-solution-gas three-phase system with simultaneous electrical potential measurement of supported gold catalyst. <i>Russian Journal of Electrochemistry</i> , 2009, 45, 1017-1026.	0.3	10
512	Confined But-2-ene Catalytic Isomerization Inside H-ZSM-5 Models: A DFT Study. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1274-1283.	2.3	15
513	A Novel Method of Quantifying the u-Shaped Pores in SBA-15. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20349-20354.	1.5	10
514	Experimental and Theoretical Analysis of Asymmetric Induction in Heterogeneous Catalysis: Diastereoselective Hydrogenation of Chiral α -Hydroxyketones over Pt Catalyst. <i>Journal of the American Chemical Society</i> , 2009, 131, 4449-4462.	6.6	18
515	Catalytic Deoxygenation of Stearic Acid in a Continuous Reactor over a Mesoporous Carbon-Supported Pd Catalyst. <i>Energy & Fuels</i> , 2009, 23, 3842-3845.	2.5	123
516	NMR and molecular modeling of the dimeric self-association of the enantiomers of 1,1'-bi-2-naphthol and 1-phenyl-2,2,2-trifluoroethanol in the solution state and their relevance to enantiomer self-disproportionation on achiral-phase chromatography (ESDAC). <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 537-542.	1.5	48
517	Sustainable chemical technology through catalytic multistep reactions. <i>Chemical Engineering Research and Design</i> , 2008, 86, 1002-1010.	2.7	20
518	Synthesis of Biodiesel via Deoxygenation of Stearic Acid over Supported Pd/C Catalyst. <i>Catalysis Letters</i> , 2008, 122, 247-251.	1.4	114
519	Influence of Reaction Parameters on the Hydrogenolysis of Hydroxymatairesinol Over Carbon Nanofibre Supported Palladium Catalysts. <i>Catalysis Letters</i> , 2008, 125, 8-13.	1.4	13
520	Utilization of cascade chemo-bio catalysis for the synthesis of R-1-phenylethyl acetate. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 94, 281-288.	0.6	6
521	Thermal Polymerisation and Autoxidation of Technical Grade Linoleic Acid. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2008, 85, 567-572.	0.8	4
522	Kinetic aspects of stereoselectivity in hydrogenation of fatty acids. <i>Journal of Molecular Catalysis A</i> , 2008, 286, 156-161.	4.8	11

#	ARTICLE	IF	CITATIONS
523	Quantification of rate acceleration in asymmetric catalytic hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2008, 289, 91-94.	4.8	12
524	d-Lactose oxidation over gold catalysts. <i>Catalysis Today</i> , 2008, 131, 385-392.	2.2	65
525	Microreactors for environmental catalysis—Selective catalytic reduction of NOX with hydrocarbons over a Ag/alumina catalyst. <i>Catalysis Today</i> , 2008, 133-135, 448-454.	2.2	8
526	Skeletal isomerization of 1-butene: A thorough kinetic study over ZSM-22. <i>Catalysis Today</i> , 2008, 133-135, 762-769.	2.2	5
527	Catalytic hydrogenation of linoleic acid to stearic acid over different Pd- and Ru-supported catalysts. <i>Applied Catalysis A: General</i> , 2008, 345, 201-212.	2.2	32
528	One-pot chemo-biocatalytic synthesis of R-1-phenylethyl acetate from acetophenone hydrogenation over Pd/Al ₂ O ₃ catalyst. <i>Applied Catalysis A: General</i> , 2008, 350, 24-29.	2.2	10
529	Catalytic deoxygenation of unsaturated renewable feedstocks for production of diesel fuel hydrocarbons. <i>Fuel</i> , 2008, 87, 933-945.	3.4	313
530	Catalytic pyrolysis of woody biomass in a fluidized bed reactor: Influence of the zeolite structure. <i>Fuel</i> , 2008, 87, 2493-2501.	3.4	404
531	Continuous decarboxylation of lauric acid over Pd/C catalyst. <i>Fuel</i> , 2008, 87, 3543-3549.	3.4	129
532	Influence of surface acidity in lactose oxidation over supported Pd catalysts. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 122-131.	2.2	19
533	Cascade approach for synthesis of R-1-phenyl ethyl acetate from acetophenone: Effect of support. <i>Journal of Molecular Catalysis A</i> , 2008, 285, 132-141.	4.8	23
534	On Langmuir kinetics and zero order reactions. <i>Catalysis Communications</i> , 2008, 9, 1815-1816.	1.6	25
535	Skeletal Isomerization of Butene in Fixed Beds. Part 2. Kinetic and Flow Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5413-5426.	1.8	9
536	Radioactive ¹¹ C-methyl labeling for study of methanol co-reaction with methyl iodide on Fe-Beta zeolite. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1095-1098.	1.5	1
537	Kinetic Modeling of Propene Hydroformylation with Rh/TPP and Rh/CHDPP Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4317-4324.	1.8	21
538	Acyl Group Migration and Cleavage in Selectively Protected ¹² -Galactopyranosides as Studied by NMR Spectroscopy and Kinetic Calculations. <i>Journal of the American Chemical Society</i> , 2008, 130, 8769-8772.	6.6	77
539	Hydrogenation of Vegetable Oils over Pd on Nanocomposite Carbon Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7219-7225.	1.8	57
540	Intrinsic Metal Size Effect on Adsorption of Organic Molecules on Platinum. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6822-6831.	1.5	17

#	ARTICLE	IF	CITATIONS
541	A Combined NMR, DFT, and X-ray Investigation of Some Cinchona Alkaloid O-Ethers. <i>Journal of Organic Chemistry</i> , 2008, 73, 6559-6569.	1.7	24
542	Dissolution of Mineral Fiber in a Formic Acid Solution: Kinetics, Modeling, and Gelation of the Resulting Sol. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9834-9841.	1.8	7
543	Kinetic Study and Modeling of Peroxypropionic Acid Synthesis from Propionic Acid and Hydrogen Peroxide Using Homogeneous Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 656-664.	1.8	28
544	Zeolite-bentonite hybrid catalysts for the pyrolysis of woody biomass. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1069-1074.	1.5	18
545	Pyrolysis of Softwood Carbohydrates in a Fluidized Bed Reactor. <i>International Journal of Molecular Sciences</i> , 2008, 9, 1665-1675.	1.8	57
546	Classification and pattern recognition of acyclic octenes based on mass spectra. <i>Talanta</i> , 2007, 72, 1573-1580.	2.9	3
547	Recent Progress in Synthesis of Fine and Specialty Chemicals from Wood and Other Biomass by Heterogeneous Catalytic Processes. <i>Catalysis Reviews - Science and Engineering</i> , 2007, 49, 197-340.	5.7	250
548	Ultrasound enhancement of cellulose processing in ionic liquids: from dissolution towards functionalization. <i>Green Chemistry</i> , 2007, 9, 1229.	4.6	126
549	Failure of MTT as a Toxicity Testing Agent for Mesoporous Silicon Microparticles. <i>Chemical Research in Toxicology</i> , 2007, 20, 1913-1918.	1.7	129
550	Interaction of Cinchonidine and 1-Phenyl-1,2-Propanedione on the Surface of a Chirally Modified Pt/Al ₂ O ₃ Hydrogenation Catalyst. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9374-9383.	1.5	11
551	Modelling of Consecutive Reactions with a Semibatch Liquid Phase: Enhanced Kinetic Information by a New Experimental Concept. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3912-3921.	1.8	6
552	The Role of Modifier Structure in Heterogeneous Enantioselective Hydrogenation: One-to-One Interactions of 1-Phenyl-1,2-propanedione and Methyl Pyruvate with Modifiers on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5128-5140.	1.5	25
553	Preparation of dimethoxyborane and analysis by Fourier transform infrared spectroscopy. <i>Research on Chemical Intermediates</i> , 2007, 33, 645-654.	1.3	3
554	Catalytic Deoxygenation of Fatty Acids and Their Derivatives. <i>Energy & Fuels</i> , 2007, 21, 30-41.	2.5	315
555	Evaluation of Mesoporous TCPSi, MCM-41, SBA-15, and TUD-1 Materials as API Carriers for Oral Drug Delivery. <i>Drug Delivery</i> , 2007, 14, 337-347.	2.5	169
556	Pt-modified MCM-22, ZSM-5 and Beta Zeolite Catalysts for n-Butane Isomerization: Influence of Structure, Acidity and Pt Modification. <i>Studies in Surface Science and Catalysis</i> , 2007, 172, 153-156.	1.5	0
557	Probing Surface Coverage by in situ Catalyst Potential Measurements. <i>Studies in Surface Science and Catalysis</i> , 2007, , 393-396.	1.5	1
558	Synthesis of Pt modified ZSM-5 and beta zeolite catalysts: Influence of ultrasonic irradiation and preparation methods on physico-chemical and catalytic properties in pentane isomerization. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 122-130.	3.8	39

#	ARTICLE	IF	CITATIONS
559	Conformational equilibria of citral. Computational and Theoretical Chemistry, 2007, 814, 33-41.	1.5	25
560	Hydrogenolysis of a wood extractive to an anticarcinogenic and antioxidative compound. Catalysis Today, 2007, 121, 100-105.	2.2	7
561	From renewable raw materials to high value-added fine chemicals—Catalytic hydrogenation and oxidation of d-lactose. Catalysis Today, 2007, 121, 92-99.	2.2	73
562	Ethyl pyruvate hydrogenation under microwave irradiation. Chemical Engineering Journal, 2007, 126, 103-109.	6.6	17
563	Application of in situ catalyst potential measurements for estimation of reaction performance: Lactose oxidation over Au and Pd catalysts. Chemical Engineering Journal, 2007, 134, 153-161.	6.6	41
564	Production of diesel fuel from renewable feeds: Kinetics of ethyl stearate decarboxylation. Chemical Engineering Journal, 2007, 134, 29-34.	6.6	160
565	The development of the method of low-temperature peat pyrolysis on the basis of aluminosilicate catalytic system. Chemical Engineering Journal, 2007, 134, 162-167.	6.6	24
566	Enhancement of solid dissolution by ultrasound. Chemical Engineering and Processing: Process Intensification, 2007, 46, 862-869.	1.8	35
567	Thermodynamic consistency of complex enzymatic reactions with empty routes. Chemical Engineering Science, 2007, 62, 6492-6494.	1.9	4
568	Thermal and catalytic oligomerisation of fatty acids. Applied Catalysis A: General, 2007, 330, 1-11.	2.2	33
569	Mesoporous silica material TUD-1 as a drug delivery system. International Journal of Pharmaceutics, 2007, 331, 133-138.	2.6	202
570	On the mutual interactions between noble metal crystallites and zeolitic supports and their impacts on catalysis. Journal of Molecular Catalysis A, 2007, 264, 192-201.	4.8	23
571	Dehydrogenation of hydroxymatairesinol to oxomatairesinol over carbon nanofibre-supported palladium catalysts. Journal of Molecular Catalysis A, 2007, 274, 42-49.	4.8	31
572	Letter to the Editor Journal of Catalysis - Volume 251, Issue 1. Journal of Catalysis, 2007, 251, 244-245.	3.1	10
573	Catalytic pyrolysis of low density polyethylene over H ₂ , H-Y, H-Mordenite, and H-Ferrierite zeolite catalysts: Influence of acidity and structures. Kinetics and Catalysis, 2007, 48, 535-540.	0.3	45
574	Revealing regioselectivity in hydrogenation of 1-phenyl-1,2-propanedione on Pt catalysts. Journal of Catalysis, 2007, 245, 228-236.	3.1	22
575	Hydrogen as a remedy for the detrimental effect of aromatic and cyclic compounds on the HC-SCR over Ag/alumina. Applied Catalysis B: Environmental, 2007, 70, 65-72.	10.8	42
576	A combination of Ag/alumina and Ag modified ZSM-5 to remove NO _x and CO during lean conditions. Applied Catalysis B: Environmental, 2007, 70, 138-145.	10.8	21

#	ARTICLE	IF	CITATIONS
577	Catalytic Pyrolysis of Biomass in a Fluidized Bed Reactor. <i>Chemical Engineering Research and Design</i> , 2007, 85, 473-480.	2.7	137
578	Selective catalytic reduction of NO _x over Ag/Al ₂ O ₃ using various bio-diesels as reducing agents. <i>Topics in Catalysis</i> , 2007, 42-43, 399-403.	1.3	18
579	Radioisotope tracer study of co-reactions of methanol with ethanol using ¹¹ C-labelled methanol over alumina, H-ZSM-5 and Cu-ZSM-5. <i>Topics in Catalysis</i> , 2007, 45, 169-173.	1.3	4
580	A study on the dimerization of 1-butene over Beta zeolite. <i>Topics in Catalysis</i> , 2007, 45, 187-190.	1.3	16
581	Multitubular reactor design as an advanced screening tool for three-phase catalytic reactions. <i>Topics in Catalysis</i> , 2007, 45, 223-227.	1.3	9
582	Reaction kinetics and modelling of the gold catalysed glycerol oxidation. <i>Topics in Catalysis</i> , 2007, 44, 299-305.	1.3	66
583	Nanocatalysis in asymmetric hydrogenation. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 19-25.	0.6	20
584	On the topological representation of catalytic cycles with nonlinear steps. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 225-232.	0.6	6
585	On the validity of Langmuir adsorption on supported nanoparticles. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 37-43.	0.6	10
586	On selectivity of catalytic reactions with multi-centered adsorption. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 141-147.	0.6	3
587	The influence of acidity of carbon nanofibre-supported palladium catalysts in the hydrogenolysis of hydroxymatairesinol. <i>Catalysis Letters</i> , 2007, 113, 141-146.	1.4	22
588	Radioisotopic tracing of methanol transformation using ¹¹ C-labelled methanol over copper ion-exchanged H-ZSM-5, H-Beta and H-MCM-41. <i>Catalysis Letters</i> , 2007, 114, 17-23.	1.4	6
589	Hydrogenation of 1,2-indanedione over heterogeneous cinchonidine-modified platinum catalysts. <i>Catalysis Letters</i> , 2007, 117, 91-98.	1.4	9
590	Ag-modified H-Beta, H-MCM-41 and SiO ₂ : Influence of support, acidity and Ag content in ozone decomposition at ambient temperature. <i>Catalysis Today</i> , 2007, 119, 342-346.	2.2	26
591	Enhancing consecutive reactions during three phase hydrogenation with a semibatch liquid phase. <i>Chemical Engineering Journal</i> , 2007, 134, 268-275.	6.6	4
592	Supported ionic liquidscatalysts for fine chemicals: citral hydrogenation. <i>Green Chemistry</i> , 2006, 8, 197-205.	4.6	83
593	Dynamic Modeling of Catalyst Deactivation in Fixed-Bed Reactors: Skeletal Isomerization of 1-Pentene on Ferrierite. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 558-566.	1.8	10
594	Heterogeneous Catalytic Deoxygenation of Stearic Acid for Production of Biodiesel. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5708-5715.	1.8	577

#	ARTICLE	IF	CITATIONS
595	Novel Nano Catalysts on the Base of Hyper-crosslinked Polystyrene for Carbohydrates Oxidation. <i>Studies in Surface Science and Catalysis</i> , 2006, , 119-126.	1.5	7
596	Supported Ionic Liquid Catalyst (SILCA) in the Hydrogenation of Citral. <i>Studies in Surface Science and Catalysis</i> , 2006, , 87-94.	1.5	7
597	Toward Improved Catalytic Low-Temperature NOx Removal in Diesel-Powered Vehicles. <i>Accounts of Chemical Research</i> , 2006, 39, 273-282.	7.6	124
598	Modeling and Scale-up of Sitosterol Hydrogenation Process: From Laboratory Slurry Reactor to Plant Scale. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7067-7076.	1.8	17
599	Structure-Activity Relationship in HC-SCR of NOx by TEM, O ₂ -Chemisorption, and EDXS Study of Ag/Al ₂ O ₃ . <i>Journal of Physical Chemistry B</i> , 2006, 110, 420-427.	1.2	33
600	Metal-Support Interactions in Zeolite-Supported Noble Metals: Influence of Metal Crystallites on the Support Acidity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4937-4946.	1.2	127
601	Reply to "Comment on "Heterogeneous Catalytic Deoxygenation of Stearic Acid for Production of Biodiesel". <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6875-6875.	1.8	16
602	Platinum group metals as catalysts in enantioselective 1-phenylpropane-1,2-dione hydrogenation. <i>Applied Catalysis A: General</i> , 2006, 300, 147-154.	2.2	24
603	Kinetic considerations of H ₂ assisted hydrocarbon selective catalytic reduction of NO over Ag/Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2006, 304, 86-92.	2.2	22
604	Cyclic voltammetry as a tool for characterization of supported VIII group metal catalysts. <i>Applied Catalysis A: General</i> , 2006, 309, 52-61.	2.2	3
605	Suppression of catalyst deactivation by means of acoustic irradiation: Application on fine and specialty chemicals. <i>Chemical Engineering Journal</i> , 2006, 120, 91-98.	6.6	5
606	Inverse temperature dependence due to catalyst deactivation in liquid phase citral hydrogenation over Pt/Al ₂ O ₃ . <i>Chemical Engineering Journal</i> , 2006, 122, 127-134.	6.6	21
607	Interaction of kinetics and internal diffusion in complex catalytic three-phase reactions: Activity and selectivity in citral hydrogenation. <i>Chemical Engineering Science</i> , 2006, 61, 814-822.	1.9	23
608	An integrated dynamic model for reaction kinetics and catalyst deactivation in fixed bed reactors: skeletal isomerization of 1-pentene over ferrierite. <i>Chemical Engineering Science</i> , 2006, 61, 1157-1166.	1.9	9
609	Solubility of gases in a hydroformylation solvent. <i>Chemical Engineering Science</i> , 2006, 61, 3698-3704.	1.9	15
610	Kinetic behaviour of electrochemical potential in three-phase heterogeneous catalytic oxidation reactions. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 199-208.	4.8	25
611	Effect of ultrasound in enantioselective hydrogenation of 1-phenyl-1,2-propanedione: comparison of catalyst activation, solvents and supports. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 68-75.	3.8	27
612	High-selectivity hydrogenation of cinnamaldehyde over platinum supported on aluminosilicates. <i>Research on Chemical Intermediates</i> , 2006, 32, 795-816.	1.3	5

#	ARTICLE	IF	CITATIONS
613	Optimum catalyst for two-step heterogeneous catalytic reactions with multi-centered adsorption. <i>Reaction Kinetics and Catalysis Letters</i> , 2006, 89, 89-96.	0.6	1
614	Heterogeneous photocatalytic kinetics: beyond the adsorption/desorption equilibrium concept. <i>Reaction Kinetics and Catalysis Letters</i> , 2006, 89, 277-284.	0.6	17
615	Kinetic Aspects of Nonlinear Phenomena in Heterogeneous Enantioselective Catalysis. <i>Catalysis Letters</i> , 2006, 109, 125-131.	1.4	11
616	Kinetic considerations of H ₂ assisted hydrocarbon selective catalytic reduction of NO over Ag/Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2006, 303, 96-102.	2.2	31
617	Isomerization of n-butane to isobutane over Pt-modified Beta and ZSM-5 zeolite catalysts: Catalyst deactivation and regeneration. <i>Chemical Engineering Journal</i> , 2006, 120, 83-89.	6.6	40
618	Reactions of hydroxymatairesinol over supported palladium catalysts. <i>Journal of Catalysis</i> , 2006, 238, 301-308.	3.1	18
619	Origin of ligand acceleration in heterogeneous ethyl pyruvate hydrogenation. <i>Journal of Catalysis</i> , 2006, 241, 96-102.	3.1	32
620	An investigation of a new regeneration method of commercial aged three-way catalysts. <i>Applied Catalysis B: Environmental</i> , 2006, 65, 93-100.	10.8	41
621	Thermodynamic analysis of reaction schemes with empty routes. <i>AIChE Journal</i> , 2006, 52, 4273-4275.	1.8	5
622	Synthesis of Pt-modified MCM-41 mesoporous molecular sieve catalysts: influence of methods of Pt introduction in MCM-41 on physico-chemical and catalytic properties for ring opening of decalin. <i>Studies in Surface Science and Catalysis</i> , 2006, , 401-408.	1.5	6
623	Analysis of the State and Size of Silver on Alumina in Effective Removal of NO _x from Oxygen Rich Exhaust Gas. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1076-1083.	0.9	4
624	One-pot citral transformation to menthol over bifunctional micro- and mesoporous metal modified catalysts: Effect of catalyst support and metal. <i>Journal of Molecular Catalysis A</i> , 2005, , .	4.8	11
625	Proton affinities of ketones, vicinal diketones and α -keto esters: a computational study. <i>Tetrahedron</i> , 2005, 61, 8109-8119.	1.0	16
626	HC-SCR of NO _x over Ag/alumina: a combination of heterogeneous and homogeneous radical reactions?. <i>Catalysis Today</i> , 2005, 100, 229-236.	2.2	14
627	Isomerization of n-butane to isobutane over Pt-SAPO-5, SAPO-5, Pt-H-mordenite and H-mordenite catalysts. <i>Catalysis Today</i> , 2005, 100, 355-361.	2.2	27
628	Mechanism of the skeletal isomerisation of linear butenes over ferrierite: analysis of side reactions. <i>Catalysis Today</i> , 2005, 100, 363-366.	2.2	9
629	¹¹ C-radioisotope labeled methanol conversion over H- and Cs- modified ZSM-5, Beta zeolites and MCM-41 mesoporous molecular sieve. <i>Catalysis Today</i> , 2005, 100, 379-383.	2.2	3
630	The interaction of butenes with Cu ⁺ ions in CuMCM-41 studied by IR spectroscopy. <i>Catalysis Today</i> , 2005, 100, 407-412.	2.2	5

#	ARTICLE	IF	CITATIONS
631	Liquid-phase hydrogenation of diethylbenzenes. <i>Catalysis Today</i> , 2005, 100, 453-456.	2.2	1
632	Short overview on the application of metal-modified molecular sieves in selective hydrogenation of cinnamaldehyde. <i>Catalysis Today</i> , 2005, 100, 349-353.	2.2	9
633	Structured but not over-structured: Woven active carbon fibre matt catalyst. <i>Catalysis Today</i> , 2005, 105, 325-330.	2.2	17
634	Improved kinetic data from analysis of complex hydrocarbon mixtures by using SIMCA. <i>Analytica Chimica Acta</i> , 2005, 537, 339-348.	2.6	12
635	Kinetics of NO reduction over Ag/alumina by higher hydrocarbon in excess of oxygen. <i>Chemical Engineering Journal</i> , 2005, 107, 215-220.	6.6	28
636	Esterification of propanoic acid with ethanol, 1-propanol and butanol over a heterogeneous fiber catalyst. <i>Chemical Engineering Journal</i> , 2005, 115, 1-12.	6.6	43
637	Linoleic acid isomerization on Ru/Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2005, 115, 13-22.	6.6	18
638	Support effects in hydrogenation of cinnamaldehyde over carbon nanofiber-supported platinum catalysts: Kinetic modeling. <i>Chemical Engineering Science</i> , 2005, 60, 5682-5695.	1.9	105
639	Catalytic reduction of NO by H ₂ over Ag/Al ₂ O ₃ under dry reducing conditions. <i>Applied Catalysis A: General</i> , 2005, 294, 49-58.	2.2	7
640	Asymmetric Heterogeneous Catalysis: Science and Engineering. <i>Catalysis Reviews - Science and Engineering</i> , 2005, 47, 175-256.	5.7	231
641	Stabilities of C ₃ –C ₅ alkoxide species inside H-FER zeolite: a hybrid QM/MM study. <i>Journal of Catalysis</i> , 2005, 231, 393-404.	3.1	91
642	Mathematical modeling of o-xylene hydrogenation kinetics over Pd/Al ₂ O ₃ . <i>Journal of Catalysis</i> , 2005, 233, 109-118.	3.1	20
643	Synthesis of Chiral Catalyst Modifiers by Hydrosilylation of Cinchonidine and Their Application in the Hydrogenation of 1-Phenylpropane-1,2-dione and Ethyl Pyruvate on a Supported Pt/Al ₂ O ₃ Catalyst. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2811-2821.	1.2	25
644	Effect of modifier structure in asymmetric 1-phenylpropane-1,2-dione hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 227-238.	4.8	25
645	Utilization of electromagnetic and acoustic irradiation in enhancing heterogeneous catalytic reactions. <i>Applied Catalysis A: General</i> , 2005, 279, 1-22.	2.2	60
646	A highly stable and selective Pt-modified mordenite catalyst for the skeletal isomerization of n-butane. <i>Applied Catalysis A: General</i> , 2005, 284, 223-230.	2.2	13
647	Chemoselective hydrogenation of carbonyl compounds over heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2005, 292, 1-49.	2.2	557
648	Esterification of propionic acid under microwave irradiation over an ion-exchange resin. <i>Catalysis Today</i> , 2005, 100, 431-435.	2.2	37

#	ARTICLE	IF	CITATIONS
649	Ab initio study of solvent effects on reactantâ€‘modifier complexes in enantioselective hydrogenation. <i>Catalysis Today</i> , 2005, 100, 373-377.	2.2	15
650	Novel woven active carbon fiber catalyst in the hydrogenation of citral. <i>Catalysis Today</i> , 2005, 102-103, 128-132.	2.2	13
651	Hydrocarbons for diesel fuel via decarboxylation of vegetable oils. <i>Catalysis Today</i> , 2005, 106, 197-200.	2.2	351
652	Modelling of H/D exchange over Pd. <i>Chemical Engineering Journal</i> , 2005, 107, 89-95.	6.6	5
653	Linoleic acid isomerization on Ru/Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2005, 115, 23-43.	6.6	10
654	The selective sorption of solvents on sulphonic acid polymer catalyst in binary mixtures. <i>Reactive and Functional Polymers</i> , 2005, 64, 111-118.	2.0	7
655	Hydrogenolysis of Hydroxymatairesinol Over Carbon-Supported Palladium Catalysts. <i>Catalysis Letters</i> , 2005, 103, 125-131.	1.4	35
656	Engineering HC-SCR: Improved Low Temperature Performance through a Cascade Concept. <i>Catalysis Letters</i> , 2005, 105, 133-138.	1.4	16
657	Catalyst Deactivation in Diborane Decomposition. <i>Catalysis Letters</i> , 2005, 105, 191-202.	1.4	29
658	Enzymatic kinetics. , 2005, , 189-224.		17
659	Ring opening of decalin over Pt-and Ir-modified SAPO-5 and VPI-5 zeolite catalysts. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 1669-1676.	1.5	6
660	One-pot synthesis of menthol from citral over bifunctional Ni modified micro- and mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 1311-1318.	1.5	2
661	An integrated approach to modelling of chemical transformations in chemical reactors. <i>Computer Aided Chemical Engineering</i> , 2005, 20, 1531-1536.	0.3	1
662	Hydrogenation of Citral Over Ni on Monolith. <i>International Journal of Chemical Reactor Engineering</i> , 2005, 3, .	0.6	0
663	On Surface Heterogeneity and Catalytic Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1688-1697.	1.8	30
664	Hydrogenation of Citral over Activated Carbon Cloth Catalystâ€‘. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5285-5290.	1.8	21
665	Selectivity Enhancement by Catalyst Deactivation in Three-Phase Hydrogenation of Nerol. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9376-9383.	1.8	7
666	Kinetic Study of n-Butane Isomerization over Ptâ€‘H-Mordenite. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 471-484.	1.8	35

#	ARTICLE	IF	CITATIONS
667	Effect of Ultrasound on Catalytic Hydrogenation of Fructose to D-Mannitol. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9370-9375.	1.8	32
668	Isomerization of n-butane over Pt-modified mordenite zeolite catalysts: effect of Pt loadings and dealumination. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 1859-1866.	1.5	5
669	Gas-phase hydrogenation of 4-tert-butylphenol over Pt/SiO ₂ . <i>Journal of Catalysis</i> , 2004, 227, 60-67.	3.1	9
670	Asymmetric hydrogenation of 1-phenylpropane-1,2-dione over cinchona-modified Pt: Role of the C-9 OH group of cinchonidine. <i>Journal of Catalysis</i> , 2004, 227, 210-216.	3.1	31
671	Ring opening of decalin over zeolites II. Activity and selectivity of platinum-modified zeolites. <i>Journal of Catalysis</i> , 2004, 227, 313-327.	3.1	123
672	On the mechanism of the selective catalytic reduction of NO with higher hydrocarbons over a silver/alumina catalyst. <i>Journal of Catalysis</i> , 2004, 227, 328-343.	3.1	114
673	Silver/Alumina Catalyst for Selective Catalytic Reduction of NO _x to N ₂ by Hydrocarbons in Diesel Powered Vehicles. <i>Topics in Catalysis</i> , 2004, 28, 185-189.	1.3	61
674	Preparation and Characterisation of Ag/Alumina Catalysts for the Removal of NO _x Emissions Under Oxygen Rich Conditions. <i>Topics in Catalysis</i> , 2004, 30/31, 91-95.	1.3	44
675	A Novel Radioisotope Method for Studying Catalytic Transformations over Alumina, H-ZSM-5 and H-Beta Zeolite Catalysts: Investigation of Conversion of ¹¹ C-Labeled Methanol to ¹¹ C-Labeled Dimethyl Ether and Hydrocarbons. <i>Catalysis Letters</i> , 2004, 93, 101-107.	1.4	17
676	Effect of Cinchonidine and Dissolved Oxygen in Continuous Enantioselective Hydrogenation of Ethyl Pyruvate. <i>Catalysis Letters</i> , 2004, 93, 171-176.	1.4	21
677	Continuous Enantioselective Hydrogenation of Ethylbenzoylformate over Pt/Al ₂ O ₃ Catalyst: Bed Dilution Effects and Cinchonidine Adsorption Study. <i>Catalysis Letters</i> , 2004, 95, 179-183.	1.4	22
678	The Effect of Chemical Reducing Agents in the Synthesis of Sol-Gel Ru-Sn Catalysts: Selective Hydrogenation of Cinnamaldehyde. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 30, 187-195.	1.1	12
679	Quantification of the oxygen effect in modification of platinum by cinchonidine. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 81, 129-136.	0.6	1
680	Deactivation in liquid-phase hydrogenation. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 83, 205-212.	0.6	12
681	Influence of ruthenium precursor on catalytic activity of Ru/Al ₂ O ₃ catalyst in selective isomerization of linoleic acid to cis-9,trans-11- and trans-10,cis-12-conjugated linoleic acid. <i>Applied Catalysis A: General</i> , 2004, 267, 121-133.	2.2	31
682	Kinetic modelling of a solid-liquid reaction: reduction of ferric iron to ferrous iron with zinc sulphide. <i>Chemical Engineering Science</i> , 2004, 59, 919-930.	1.9	43
683	Synthesis of Novel Ag Modified MCM-41 Mesoporous Molecular Sieve and Beta Zeolite Catalysts for Ozone Decomposition at Ambient Temperature. <i>Catalysis Letters</i> , 2004, 98, 57-60.	1.4	27
684	Support Effects in Nerol Hydrogenation over Pt/SiO ₂ , Pt/H-Y and Pt/H-MCM-41 Catalysts. <i>Catalysis Letters</i> , 2004, 98, 173-179.	1.4	6

#	ARTICLE	IF	CITATIONS
685	Hydrogenation of Cinnamaldehyde over Pt-Modified Molecular Sieve Catalysts. <i>Chemical Engineering and Technology</i> , 2004, 27, 1290-1295.	0.9	7
686	Physico-chemical and catalytic properties of Ru-MCM-41 mesoporous molecular sieve catalyst: influence of Ru modification methods. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 173-179.	2.2	27
687	Selective hydrogenation of cinnamaldehyde over Ru/Y zeolite. <i>Journal of Molecular Catalysis A</i> , 2004, 217, 145-154.	4.8	41
688	Deactivation of postcombustion catalysts, a review. <i>Fuel</i> , 2004, 83, 395-408.	3.4	176
689	Reduction of ferric to ferrous with sphalerite concentrate, kinetic modelling. <i>Hydrometallurgy</i> , 2004, 73, 269-282.	1.8	33
690	Ring opening of decalin over zeolites. Activity and selectivity of proton-form zeolites. <i>Journal of Catalysis</i> , 2004, 222, 65-79.	3.1	131
691	A combined experimental and theoretical study of 1-phenylpropane-1,2-dione hydrogenation over heterogeneous cinchonidine-modified Pt catalyst. <i>Journal of Catalysis</i> , 2004, 224, 326-339.	3.1	38
692	Cyclization of citronellal over zeolites and mesoporous materials for production of isopulegol. <i>Journal of Catalysis</i> , 2004, 225, 155-169.	3.1	93
693	Deactivation in liquid-phase hydrogenation of cinnamaldehyde over aluminosilicate-supported ruthenium and platinum catalysts. <i>Chemical Engineering Journal</i> , 2004, 103, 35-43.	6.6	16
694	From a fixed bed Ag-alumina catalyst to a modified reactor design: how to enhance the crucial heterogeneous-homogeneous reactions in HC-SCR. <i>Chemical Engineering Science</i> , 2004, 59, 5277-5282.	1.9	14
695	Isomerization of 1-butene over SAPO-11 catalysts synthesized by varying synthesis time and silica sources. <i>Applied Catalysis A: General</i> , 2004, 259, 227-234.	2.2	30
696	Kinetics and modeling of H ₂ /D ₂ exchange over Ag/Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2004, 273, 303-307.	2.2	9
697	Physico-chemical and catalytic properties of Zr- and Cu-Zr ion-exchanged H-MCM-41. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4062-4069.	1.3	12
698	Advanced Kinetic Concepts and Experimental Methods for Catalytic Three-Phase Processes. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 4540-4550.	1.8	21
699	Heterogeneous Catalytic Production of Conjugated Linoleic Acid. <i>Organic Process Research and Development</i> , 2004, 8, 341-352.	1.3	27
700	Kinetics of Cyanate Decomposition in Alkaline Solutions of High Ionic Strength: The Catalytic Effect of Bicarbonate. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 4815-4821.	1.8	2
701	Liquid-Phase Hydrogenation of Cinnamaldehyde over a Ru-Sn Sol-Gel Catalyst. 2. Kinetic Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2039-2048.	1.8	9
702	Liquid-Phase Hydrogenation of Cinnamaldehyde over a Ru-Sn Sol-Gel Catalyst. 1. Evaluation of Mass Transfer via a Combined Experimental/Theoretical Approach. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2030-2038.	1.8	34

#	ARTICLE	IF	CITATIONS
703	n-Butane isomerization over Pt@MCM-41. <i>Catalysis Communications</i> , 2004, 5, 15-19.	1.6	12
704	Ring opening of decalin over zeolitesII. Activity and selectivity of platinum-modified zeolites. <i>Journal of Catalysis</i> , 2004, 227, 313-327.	3.1	82
705	Mechanisms of Asymmetric Heterogeneous Catalysis1. <i>Kinetics and Catalysis</i> , 2003, 44, 323-333.	0.3	9
706	Title is missing!. <i>Kinetics and Catalysis</i> , 2003, 44, 562-571.	0.3	4
707	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 78, 3-10.	0.6	12
708	Modelling of catalyst deactivation in liquid phase reactions: citral hydrogenation on Ru/Al ₂ O ₃ . <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 78, 251-257.	0.6	18
709	Kinetics and modeling of 1-phenyl-1,2-propanedione hydrogenation. <i>Journal of Catalysis</i> , 2003, 213, 7-16.	3.1	45
710	Gas-phase hydrogenation of o-xylene over Pt/alumina catalyst, activity, and stereoselectivity. <i>Journal of Catalysis</i> , 2003, 218, 267-279.	3.1	32
711	Continuous reduction of NO with octane over a silver/alumina catalyst in oxygen-rich exhaust gases: combined heterogeneous and surface-mediated homogeneous reactions. <i>Journal of Catalysis</i> , 2003, 219, 25-40.	3.1	79
712	Hydrosilylation of Cinchonidine and 9-O-TMS-Cinchonidine with Triethoxysilane: Application of 11-(Triethoxysilyl)-10,11-dihydrocinchonidine as a Chiral Modifier in the Enantioselective Hydrogenation of 1-Phenylpropane-1,2-dione.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
713	Mechanisms of Asymmetric Heterogeneous Catalysis. <i>ChemInform</i> , 2003, 34, no.	0.1	0
714	Influence of mass transfer on regio- and enantioselectivity in hydrogenation of 1-phenyl-1,2-propanedione over modified Pt catalysts. <i>Catalysis Today</i> , 2003, 79-80, 189-193.	2.2	11
715	Hydrogenation of 4-tert-butylphenol in a three-phase cocurrent upflow reactor. <i>Catalysis Today</i> , 2003, 79-80, 229-233.	2.2	1
716	Application of transient methods in three-phase catalysis: hydrogenation of a dione in a catalytic plate column. <i>Catalysis Today</i> , 2003, 79-80, 383-389.	2.2	7
717	Isomerization of \pm -pinene over ion-exchanged natural zeolites. <i>Chemical Engineering Journal</i> , 2003, 91, 257-269.	6.6	49
718	Kinetics and modeling of o-xylene hydrogenation over Pt/ γ -Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2003, 91, 271-278.	6.6	8
719	Active copper species in 1-butene skeletal isomerization: comparison between copper-modified MCM-41 and beta catalysts. <i>Microporous and Mesoporous Materials</i> , 2003, 60, 159-171.	2.2	35
720	Solvent effects in enantioselective hydrogenation of 1-phenyl-1,2-propanedione. <i>Journal of Molecular Catalysis A</i> , 2003, 192, 135-151.	4.8	64

#	ARTICLE	IF	CITATIONS
721	Kinetics and stereoselectivity of o-xylene hydrogenation over Pd/Al ₂ O ₃ . Journal of Molecular Catalysis A, 2003, 193, 237-250.	4.8	17
722	Liquid-phase hydrogenation of citral for production of citronellol: catalyst selection. Applied Catalysis A: General, 2003, 241, 271-288.	2.2	73
723	Isomerization of linoleic acid over supported metal catalysts. Applied Catalysis A: General, 2003, 245, 257-275.	2.2	63
724	XPS analysis of chlorine residues in supported Pt and Pd catalysts with low metal loading. Applied Catalysis A: General, 2003, 247, 283-294.	2.2	55
725	Ruthenium-modified MCM-41 mesoporous molecular sieve and Y zeolite catalysts for selective hydrogenation of cinnamaldehyde. Applied Catalysis A: General, 2003, 251, 385-396.	2.2	80
726	Gas-Phase Hydrogenation of o-Xylene over Pt/Knitted Silica-Fiber Catalysts. Industrial & Engineering Chemistry Research, 2003, 42, 3230-3236.	1.8	10
727	Heterogeneously Catalytic Isomerization of Linoleic Acid over Supported Ruthenium Catalysts for Production of Anticarcinogenic Food Constituents. Industrial & Engineering Chemistry Research, 2003, 42, 718-727.	1.8	25
728	Impact of Catalyst Reduction Mode on Selective Hydrogenation of Cinnamaldehyde over Ru ⁺ Sn Sol ⁻ Gel Catalysts. Industrial & Engineering Chemistry Research, 2003, 42, 295-305.	1.8	26
729	22 Enantiospecific heterogeneous catalysis without a chiral modifier. Studies in Surface Science and Catalysis, 2003, 145, 137-140.	1.5	0
730	Hydrosilylation of cinchonidine and 9-O-TMS-cinchonidine with triethoxysilane: application of 11-(triethoxysilyl)-10,11-dihydrocinchonidine as a chiral modifier in the enantioselective hydrogenation of 1-phenylpropane-1,2-dione. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2605-2612.	1.3	33
731	Conjugation of linoleic acid over a hydrogen pre-activated heterogeneous catalyst Electronic supplementary information (ESI) available: XRD measurements. See http://www.rsc.org/suppdata/cc/b2/b201722a/ . Chemical Communications, 2002, , 1142-1143.	2.2	21
732	Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation. Journal of Molecular Catalysis A, 2002, 182-183, 555-563.	4.8	171
733	Kinetics of esterification of propanoic acid with methanol over a fibrous polymer-supported sulphonic acid catalyst. Applied Catalysis A: General, 2002, 228, 253-267.	2.2	87
734	Effect of synthesis time and mode of stirring on physico-chemical and catalytic properties of ZSM-5 zeolite catalysts. Applied Catalysis A: General, 2002, 235, 113-123.	2.2	47
735	Continuous hydrogenation of 1-phenyl-1,2-propanedione under transient and steady-state conditions: regioselectivity, enantioselectivity and catalyst deactivation. Applied Catalysis A: General, 2002, 235, 125-138.	2.2	27
736	Liquid phase hydrogenation of citral: suppression of side reactions. Applied Catalysis A: General, 2002, 237, 181-200.	2.2	78
737	Analysis of deactivation and selectivity pattern in catalytic hydrogenation of a molecule with different functional groups: crotonaldehyde hydrogenation on Pt/SnO ₂ . Chemical Engineering Science, 2002, 57, 2519-2529.	1.9	23
738	Kinetics of catalytic reactions with two types of sites: nonuniform surfaces. Chemical Engineering Science, 2002, 57, 1299-1306.	1.9	8

#	ARTICLE	IF	CITATIONS
739	Investigation of NO Reduction by H ₂ on Pd Monolith with Transient and Isotopic Exchange Techniques I. H ₂ /D ₂ Exchange with H ₂ O and NH ₃ . Journal of Catalysis, 2002, 210, 17-29.	3.1	8
740	Investigation of NO Reduction by H ₂ on Pd Monolith with Transient and Isotopic Exchange Techniques II. H ₂ /D ₂ Exchange in the Reduction of NO. Journal of Catalysis, 2002, 210, 30-38.	3.1	14
741	A New Heterogeneously Catalytic Pathway for Isomerization of Linoleic Acid over Ru/C and Ni/H α €“MCM-41 Catalysts. Journal of Catalysis, 2002, 210, 354-366.	3.1	62
742	Effect of modifier structure in the enantioselective hydrogenation of 1-phenyl-1,2-propanedione. Reaction Kinetics and Catalysis Letters, 2002, 75, 21-30.	0.6	13
743	Title is missing!. Catalysis Letters, 2002, 78, 105-110.	1.4	24
744	Influence of catalyst pretreatment on α -pinene isomerization over natural clays. Reaction Kinetics and Catalysis Letters, 2002, 75, 231-237.	0.6	17
745	Kinetic equation for reversible heterogeneous catalytic reactions. Reaction Kinetics and Catalysis Letters, 2002, 76, 369-374.	0.6	1
746	Hydrogenation of Citral Over a Polymer Fibre Catalyst. Catalysis Letters, 2002, 84, 219-224.	1.4	31
747	Ruthenium-tin sol-gel catalysts: effect of the preparation and tin precursor influence. Research on Chemical Intermediates, 2002, 28, 561-573.	1.3	0
748	A New Polymer Based Catalytic Matreial for Liquid Phase Reactions. Chemie-Ingenieur-Technik, 2001, 73, 618-618.	0.4	2
749	Kinetics of Methane Catalytic Combustion on Mn Substituted Barium Hexa-Aluminates Catalysts. Chemie-Ingenieur-Technik, 2001, 73, 665-665.	0.4	0
750	Selectivity in Hydrogenation of Crotonaldehyde on Pt/SnO ₂ . Influence of Pretreatment. Chemie-Ingenieur-Technik, 2001, 73, 692-692.	0.4	0
751	Kinetics and Modelling of Solvent Effects and Product Distribution in Complex Enantioselective Hydrogenation. Chemie-Ingenieur-Technik, 2001, 73, 692-692.	0.4	0
752	Kinetics of Methane Catalytic Combustion on Mn-Substituted Barium Hexaaluminate Catalysts. Chemical Engineering and Technology, 2001, 24, 1301-1307.	0.9	2
753	Enantioselective Hydrogenation of 1-Phenyl-1,2-propanedione. Journal of Catalysis, 2001, 204, 281-291.	3.1	67
754	Ultrasonic Irradiation in Enantioselective Hydrogenation of 1-Phenyl-1,2-Propanedione. Reaction Kinetics and Catalysis Letters, 2001, 73, 3-11.	0.6	6
755	A kinetic treatment of the gas phase hydrodechlorination of chlorobenzene over nickel/silica: beyond conventional kinetics. Chemical Engineering Science, 2001, 56, 3185-3195.	1.9	60
756	Gas-phase hydrogenation of ethylbenzene over Ni.. Applied Catalysis A: General, 2000, 201, 55-59.	2.2	16

#	ARTICLE	IF	CITATIONS
757	Kinetics of $\hat{1}\pm$ -pinene enantiomeric isomerization over clinoptilolite. Applied Catalysis A: General, 2000, 198, 197-206.	2.2	24
758	Side Reactions in the Liquid-Phase Cyclohexanone Ammoximation. Reaction Kinetics and Catalysis Letters, 2000, 69, 95-104.	0.6	3
759	Catalysis Involving Multicentered Species on Nonuniform Surfaces, 1. Adsorption. Reaction Kinetics and Catalysis Letters, 2000, 70, 219-226.	0.6	4
760	Kinetics and Stereoselectivity in Gas-Phase Hydrogenation of Alkylbenzenes Over Ni/Al ₂ O ₃ . Reaction Kinetics and Catalysis Letters, 2000, 71, 47-54.	0.6	9
761	Catalysis Involving Multi-Centered Species on Nonuniform Surfaces, 2. Kinetics. Reaction Kinetics and Catalysis Letters, 2000, 70, 227-234.	0.6	2
762	Preparation and properties of bimetallic Ru-Sn sol-gel catalysts: influence of catalyst reduction. Studies in Surface Science and Catalysis, 2000, , 757-765.	1.5	2
763	Kinetics of 2-methylpentane catalytic transformations over Pt/Na- $\hat{1}^2$ zeolite. Applied Catalysis A: General, 1999, 178, 85-95.	2.2	19
764	Kinetics of mesitylene hydrogenation on Ni/Al ₂ O ₃ . Applied Catalysis A: General, 1999, 185, 131-136.	2.2	15
765	Isomerization of $\hat{1}\pm$ -Pinene over Clinoptilolite. Journal of Catalysis, 1999, 185, 352-362.	3.1	65
766	High Performances of Pt/ZnO Catalysts in Selective Hydrogenation of Crotonaldehyde. Journal of Catalysis, 1999, 188, 165-175.	3.1	171
767	Deactivation kinetics over induced nonuniform surfaces with linear steps of surface reactions. Chemical Engineering Science, 1998, 53, 2469-2474.	1.9	5
768	Deactivation and Selectivity Pattern in Crotonaldehyde Hydrogenation. Chemical Engineering and Technology, 1998, 21, 605-609.	0.9	16
769	On linear free energy correlations in liquid-phase catalytic hydrogenation of aromatic compounds. Reaction Kinetics and Catalysis Letters, 1998, 63, 317-321.	0.6	6
770	On the kinetic coupling and mechanism of aromatic ring hydrogenation. Reaction Kinetics and Catalysis Letters, 1998, 63, 47-51.	0.6	10
771	Kinetics of $\hat{1}\pm$ -Pinene Isomerization. Industrial & Engineering Chemistry Research, 1998, 37, 2373-2377.	1.8	51
772	Kinetic Modeling of Enantioselective Hydrogenation. Industrial & Engineering Chemistry Research, 1997, 36, 4784-4790.	1.8	11
773	Kinetics of Ammonia Synthesis Close to Equilibrium. Industrial & Engineering Chemistry Research, 1997, 36, 4779-4783.	1.8	2
774	On the application of mean value theorem to reaction kinetics over inhomogeneous surfaces. Reaction Kinetics and Catalysis Letters, 1997, 62, 233-241.	0.6	2

#	ARTICLE	IF	CITATIONS
775	Dialkylbenzene hydrogenation: Kinetic analysis of rollover mechanism. Reaction Kinetics and Catalysis Letters, 1997, 60, 57-64.	0.6	11
776	Toluene and methylcyclohexane adsorption on nickel catalysts. Reaction Kinetics and Catalysis Letters, 1997, 61, 227-236.	0.6	13
777	Gas phase hydrogenation of o- and p-xylene on NiAl ₂ O ₃ – Kinetic modelling. Applied Catalysis A: General, 1997, 150, 115-129.	2.2	29
778	On the application of transition state theory to heterogeneous catalytic reactions. Journal of Molecular Catalysis A, 1997, 123, L5-L7.	4.8	0
779	Kinetics of liquid-phase cyclohexanone ammoximation over a titanium silicate. Chemical Engineering and Technology, 1997, 20, 43-46.	0.9	12
780	Kinetics of buta-1,3-diene hydrogenation over 0.5% Pd/ γ -Al ₂ O ₃ catalyst. Chemical Engineering and Technology, 1997, 20, 138-143.	0.9	7
781	Kinetics of 4-tert-butylphenol hydrogenation over rhodium. Chemical Engineering and Technology, 1997, 20, 144-148.	0.9	14
782	Kinetic Aspects of Selectivity and Stereoselectivity for the Hydrogenation of Buta-1,3-diene over a Palladium Catalyst. Industrial & Engineering Chemistry Research, 1996, 35, 703-711.	1.8	23
783	Islanding and critical phenomena in multi-component adsorption layer with lateral interactions. Reaction Kinetics and Catalysis Letters, 1996, 59, 111-116.	0.6	1
784	Selectivity of complex heterogeneous catalytic reactions over energetically nonuniform surfaces. Reaction Kinetics and Catalysis Letters, 1996, 59, 117-123.	0.6	2
785	Kinetic coupling and selectivity pattern in consecutive heterogeneous catalytic reactions. Reaction Kinetics and Catalysis Letters, 1996, 58, 65-72.	0.6	4
786	Selectivity in consecutive heterogeneous catalytic reactions: Case of polyatomic molecules. Reaction Kinetics and Catalysis Letters, 1996, 57, 153-158.	0.6	2
787	Isothermal multiplicity in catalytic surface reactions with coverage dependent parameters – Case of polyatomic species. Chemical Engineering Science, 1996, 51, 55-62.	1.9	9
788	Computation of reaction rates for catalytic reactions on inhomogeneous surfaces with multicomponent chemisorption. Chemical Engineering Science, 1996, 51, 155-158.	1.9	9
789	Kinetics of buta-1,3-diene hydrogenation over palladium catalysts. Chemical Engineering Science, 1996, 51, 2879-2884.	1.9	15
790	Three-step heterogeneous catalytic reaction mechanism with coverage dependent parameters. Chemical Engineering and Technology, 1996, 19, 113-116.	0.9	2
791	Kinetics of m-xylene hydrogenation on NiAl ₂ O ₃ . Applied Catalysis A: General, 1996, 141, 207-228.	2.2	27
792	Gas phase hydrogenation of o- and p-xylene on Ni/Al ₂ O ₃ – Kinetic behaviour. Applied Catalysis A: General, 1996, 145, 253-265.	2.2	27

#	ARTICLE	IF	CITATIONS
793	Kinetics of ethylbenzene hydrogenation on Ni/Al ₂ O ₃ . Applied Catalysis A: General, 1995, 125, 271-291.	2.2	46
794	Non-equilibrium effects in the liquid-phase catalytic hydrogenation. Catalysis Today, 1995, 24, 35-39.	2.2	17
795	On the kinetic interpretation of metal-support interaction. Reaction Kinetics and Catalysis Letters, 1995, 55, 275-281.	0.6	5
796	On propene hydroformylation and hydrogenation over palladium. Reaction Kinetics and Catalysis Letters, 1995, 55, 199-205.	0.6	1
797	Kinetics of Thymol Hydrogenation over a Ni-Cr ₂ O ₃ Catalyst. Industrial & Engineering Chemistry Research, 1995, 34, 1539-1547.	1.8	18
798	Modeling of Adsorption and Kinetics in Catalysis over Induced Nonuniform Surfaces: Surface Electronic Gas Model. Industrial & Engineering Chemistry Research, 1995, 34, 1208-1218.	1.8	28
799	Liquid-phase stereoselective thymol hydrogenation over supported nickel catalysts. Catalysis Letters, 1994, 29, 57-67.	1.4	12
800	On the optimum catalyst for heterogeneous catalytic reactions over metals. Reaction Kinetics and Catalysis Letters, 1994, 53, 467-474.	0.6	4
801	On the rate of heterogeneous catalytic reactions with ionic intermediates. Catalysis Letters, 1993, 20, 185-190.	1.4	2
802	Structure insensitivity: Application of the surface electronic gas model. Catalysis Letters, 1993, 22, 157-164.	1.4	10
803	Kinetics of the liquid-phase stereoselective hydrogenation of 4-tertbutylphenol over rhodium catalyst. Studies in Surface Science and Catalysis, 1993, 78, 243-250.	1.5	10
804	Quantification of cluster size effect (structure sensitivity) in heterogeneous catalysis. Catalysis, 0, , 179-203.	0.6	3
805	Alumina ceramic foams as catalyst supports. Catalysis, 0, , 28-50.	0.6	5
806	Development of the electrocoagulation and electro dialysis technologies for the quantitative recovery of lanolin. Separation Science and Technology, 0, , 1-13.	1.3	0