

# Dmitry Yu Murzin

## List of Publications by Citations

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795  
papers

19,212  
citations

62  
h-index

102  
g-index

834  
ext. papers

21,096  
ext. citations

5.3  
avg, IF

6.97  
L-index

#	Paper	IF	Citations
795	Heterogeneous Catalytic Deoxygenation of Stearic Acid for Production of Biodiesel. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 5708-5715	3.9	511
794	Chemoselective hydrogenation of carbonyl compounds over heterogeneous catalysts. <i>Applied Catalysis A: General</i> , <b>2005</b> , 292, 1-49	5.1	484
793	Catalytic pyrolysis of woody biomass in a fluidized bed reactor: Influence of the zeolite structure. <i>Fuel</i> , <b>2008</b> , 87, 2493-2501	7.1	355
792	Hydrocarbons for diesel fuel via decarboxylation of vegetable oils. <i>Catalysis Today</i> , <b>2005</b> , 106, 197-200	5.3	328
791	Production of lactic acid/lactates from biomass and their catalytic transformations to commodities. <i>Chemical Reviews</i> , <b>2014</b> , 114, 1909-71	68.1	294
790	Synthesis of sugars by hydrolysis of hemicelluloses--a review. <i>Chemical Reviews</i> , <b>2011</b> , 111, 5638-66	68.1	294
789	Catalytic Deoxygenation of Fatty Acids and Their Derivatives. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 30-41	4.1	288
788	Catalytic deoxygenation of unsaturated renewable feedstocks for production of diesel fuel hydrocarbons. <i>Fuel</i> , <b>2008</b> , 87, 933-945	7.1	287
787	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> , <b>2007</b> , 49, 197-340	12.6	231
786	Asymmetric Heterogeneous Catalysis: Science and Engineering. <i>Catalysis Reviews - Science and Engineering</i> , <b>2005</b> , 47, 175-256	12.6	203
785	Transforming triglycerides and fatty acids into biofuels. <i>ChemSusChem</i> , <b>2009</b> , 2, 1109-19	8.3	198
784	Deoxygenation of palmitic and stearic acid over supported Pd catalysts: Effect of metal dispersion. <i>Applied Catalysis A: General</i> , <b>2009</b> , 355, 100-108	5.1	190
783	Mesoporous silica material TUD-1 as a drug delivery system. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 331, 133-8	6.5	177
782	Evaluation of mesoporous TCPSi, MCM-41, SBA-15, and TUD-1 materials as API carriers for oral drug delivery. <i>Drug Delivery</i> , <b>2007</b> , 14, 337-47	7	152
781	Production of diesel fuel from renewable feeds: Kinetics of ethyl stearate decarboxylation. <i>Chemical Engineering Journal</i> , <b>2007</b> , 134, 29-34	14.7	143
780	Deactivation of postcombustion catalysts, a review. <i>Fuel</i> , <b>2004</b> , 83, 395-408	7.1	139
779	High Performances of Pt/ZnO Catalysts in Selective Hydrogenation of Crotonaldehyde. <i>Journal of Catalysis</i> , <b>1999</b> , 188, 165-175	7.3	139

778	Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation. <i>Journal of Molecular Catalysis A</i> , <b>2002</b> , 182-183, 555-563		138
777	Catalytic upgrading of woody biomass derived pyrolysis vapours over iron modified zeolites in a dual-fluidized bed reactor. <i>Fuel</i> , <b>2010</b> , 89, 1992-2000	7.1	127
776	Drug delivery formulations of ordered and nonordered mesoporous silica: comparison of three drug loading methods. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 3294-3306	3.9	126
775	Failure of MTT as a toxicity testing agent for mesoporous silicon microparticles. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1913-8	4	123
774	Catalytic Pyrolysis of Biomass in a Fluidized Bed Reactor. <i>Chemical Engineering Research and Design</i> , <b>2007</b> , 85, 473-480	5.5	122
773	Catalytic Deoxygenation of Stearic Acid in a Continuous Reactor over a Mesoporous Carbon-Supported Pd Catalyst. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 3842-3845	4.1	117
772	Ring opening of decalin over zeolitesI. Activity and selectivity of proton-form zeolites. <i>Journal of Catalysis</i> , <b>2004</b> , 222, 65-79	7.3	117
771	Ultrasound enhancement of cellulose processing in ionic liquids: from dissolution towards functionalization. <i>Green Chemistry</i> , <b>2007</b> , 9, 1229	10	116
770	Continuous decarboxylation of lauric acid over Pd/C catalyst. <i>Fuel</i> , <b>2008</b> , 87, 3543-3549	7.1	113
769	Ring opening of decalin over zeolitesII. Activity and selectivity of platinum-modified zeolites. <i>Journal of Catalysis</i> , <b>2004</b> , 227, 313-327	7.3	113
768	Toward improved catalytic low-temperature NO <sub>x</sub> removal in diesel-powered vehicles. <i>Accounts of Chemical Research</i> , <b>2006</b> , 39, 273-82	24.3	111
767	Decarboxylation of fatty acids over Pd supported on mesoporous carbon. <i>Catalysis Today</i> , <b>2010</b> , 150, 28-31	5.3	108
766	Synthesis of Biodiesel via Deoxygenation of Stearic Acid over Supported Pd/C Catalyst. <i>Catalysis Letters</i> , <b>2008</b> , 122, 247-251	2.8	106
765	On the mechanism of the selective catalytic reduction of NO with higher hydrocarbons over a silver/alumina catalyst. <i>Journal of Catalysis</i> , <b>2004</b> , 227, 328-343	7.3	102
764	Catalytic Deoxygenation of Stearic Acid and Palmitic Acid in Semibatch Mode. <i>Catalysis Letters</i> , <b>2009</b> , 130, 48-51	2.8	101
763	Metal-support interactions in zeolite-supported noble metals: influence of metal crystallites on the support acidity. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 4937-46	3.4	99
762	Influence of Hydrogen in Catalytic Deoxygenation of Fatty Acids and Their Derivatives over Pd/C. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 8922-8927	3.9	92
761	Support effects in hydrogenation of cinnamaldehyde over carbon nanofiber-supported platinum catalysts: Kinetic modeling. <i>Chemical Engineering Science</i> , <b>2005</b> , 60, 5682-5695	4.4	92

760	Review on hydrodynamics and mass transfer in minichannel wall reactors with gas-liquid Taylor flow. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 113, 304-329	5.5	86
759	Effect of catalyst synthesis parameters on the metal particle size. <i>Applied Catalysis A: General</i> , <b>2013</b> , 451, 251-281	5.1	86
758	Reaction products and transformations of intermediates in the aqueous-phase reforming of sorbitol. <i>ChemSusChem</i> , <b>2010</b> , 3, 708-18	8.3	84
757	Supported ionic liquids catalysts for fine chemicals: citral hydrogenation. <i>Green Chemistry</i> , <b>2006</b> , 8, 197-205		82
756	Stabilities of C305 alkoxide species inside H-FER zeolite: a hybrid QM/MM study. <i>Journal of Catalysis</i> , <b>2005</b> , 231, 393-404	7.3	82
755	Diesel-like Hydrocarbons from Catalytic Deoxygenation of Stearic Acid over Supported Pd Nanoparticles on SBA-15 Catalysts. <i>Catalysis Letters</i> , <b>2010</b> , 134, 250-257	2.8	79
754	Deoxygenation of dodecanoic acid under inert atmosphere. <i>Fuel</i> , <b>2010</b> , 89, 2033-2039	7.1	79
753	Kinetics of esterification of propanoic acid with methanol over a fibrous polymer-supported sulphonic acid catalyst. <i>Applied Catalysis A: General</i> , <b>2002</b> , 228, 253-267	5.1	77
752	Cytotoxicity study of ordered mesoporous silica MCM-41 and SBA-15 microparticles on Caco-2 cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2010</b> , 74, 483-94	5.7	76
751	Kinetics of starch oxidation using hydrogen peroxide as an environmentally friendly oxidant and an iron complex as a catalyst. <i>Chemical Engineering Journal</i> , <b>2009</b> , 154, 52-59	14.7	76
750	Cyclization of citronellal over zeolites and mesoporous materials for production of isopulegol. <i>Journal of Catalysis</i> , <b>2004</b> , 225, 155-169	7.3	76
749	Thermodynamic analysis of nanoparticle size effect on catalytic kinetics. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 1046-1052	4.4	74
748	Aqueous phase reforming of xylitol and sorbitol: Comparison and influence of substrate structure. <i>Applied Catalysis A: General</i> , <b>2012</b> , 435-436, 172-180	5.1	73
747	Catalytic Deoxygenation of Tall Oil Fatty Acid over Palladium Supported on Mesoporous Carbon. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 2815-2825	4.1	73
746	A route to produce renewable diesel from algae: Synthesis and characterization of biodiesel via in situ transesterification of Chlorella alga and its catalytic deoxygenation to renewable diesel. <i>Fuel</i> , <b>2015</b> , 155, 144-154	7.1	71
745	Synthesis of Dimethyl Carbonate from Methanol and Carbon Dioxide: Circumventing Thermodynamic Limitations. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 9609-9617	3.9	71
744	Conventional synthesis methods of short-chain dialkylcarbonates and novel production technology via direct route from alcohol and waste CO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2010</b> , 383, 1-13	5.1	71
743	Ring opening of decalin over zeolitesII. Activity and selectivity of platinum-modified zeolites. <i>Journal of Catalysis</i> , <b>2004</b> , 227, 313-327	7.3	71

742	Influence of the support composition and acidity on the catalytic properties of mesoporous SBA-15, Al-SBA-15, and Al <sub>2</sub> O <sub>3</sub> -supported Pt catalysts for cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , <b>2011</b> , 282, 228-236	7.3	70
741	Ruthenium-modified MCM-41 mesoporous molecular sieve and Y zeolite catalysts for selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , <b>2003</b> , 251, 385-396	5.1	69
740	Sulfur-free Ni catalyst for production of green diesel by hydrodeoxygenation. <i>Journal of Catalysis</i> , <b>2017</b> , 347, 205-221	7.3	67
739	Acyl group migration and cleavage in selectively protected beta-d-galactopyranosides as studied by NMR spectroscopy and kinetic calculations. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8769-72 <sup>16.4</sup>	16.4	67
738	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> , <b>2003</b> , 219, 25-40	7.3	67
737	Kinetic analysis of cluster size dependent activity and selectivity. <i>Journal of Catalysis</i> , <b>2010</b> , 276, 85-91	7.3	65
736	Imidazolium-based poly(ionic liquid)s as new alternatives for CO <sub>2</sub> capture. <i>ChemSusChem</i> , <b>2013</b> , 6, 1500-9.3	9.3	63
735	From renewable raw materials to high value-added fine chemicals—Catalytic hydrogenation and oxidation of d-lactose. <i>Catalysis Today</i> , <b>2007</b> , 121, 92-99	5.3	63
734	Liquid phase hydrogenation of citral: suppression of side reactions. <i>Applied Catalysis A: General</i> , <b>2002</b> , 237, 181-200	5.1	63
733	Catalytic Deoxygenation of Tall Oil Fatty Acids Over a Palladium-Mesoporous Carbon Catalyst: A New Source of Biofuels. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 1274-1277	2.3	61
732	Catalytic Deoxygenation of C18 Fatty Acids Over Mesoporous Pd/C Catalyst for Synthesis of Biofuels. <i>Topics in Catalysis</i> , <b>2011</b> , 54, 460-466	2.3	59
731	Size-dependent heterogeneous catalytic kinetics. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 315, 226-230		58
730	Liquid-phase hydrogenation of citral for production of citronellol: catalyst selection. <i>Applied Catalysis A: General</i> , <b>2003</b> , 241, 271-288	5.1	58
729	Liquid phase hydrogenation of nitrobenzene. <i>Applied Catalysis A: General</i> , <b>2015</b> , 499, 66-76	5.1	57
728	Silver/Alumina Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> to N <sub>2</sub> by Hydrocarbons in Diesel Powered Vehicles. <i>Topics in Catalysis</i> , <b>2004</b> , 28, 185-189	2.3	57
727	Isomerization of linoleic acid over supported metal catalysts. <i>Applied Catalysis A: General</i> , <b>2003</b> , 245, 257-275	5.1	57
726	The role of bio-ethanol in aqueous phase reforming to sustainable hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 12642-12649	6.7	56
725	Reaction kinetics and modelling of the gold catalysed glycerol oxidation. <i>Topics in Catalysis</i> , <b>2007</b> , 44, 299-305	2.3	56

724	d-Lactose oxidation over gold catalysts. <i>Catalysis Today</i> , <b>2008</b> , 131, 385-392	5.3	56
723	A New Heterogeneously Catalytic Pathway for Isomerization of Linoleic Acid over Ru/C and Ni/HMCM-41 Catalysts. <i>Journal of Catalysis</i> , <b>2002</b> , 210, 354-366	7.3	56
722	A kinetic treatment of the gas phase hydrodechlorination of chlorobenzene over nickel/silica: beyond conventional kinetics. <i>Chemical Engineering Science</i> , <b>2001</b> , 56, 3185-3195	4.4	56
721	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> , <b>2017</b> , 316, 401-409	14.7	55
720	Valorization of cellulose over metal supported mesoporous materials. <i>Catalysis Today</i> , <b>2011</b> , 167, 91-95	5.3	55
719	Solvent effects in enantioselective hydrogenation of 1-phenyl-1,2-propanedione. <i>Journal of Molecular Catalysis A</i> , <b>2003</b> , 192, 135-151		55
718	Intensification of hemicellulose hot-water extraction from spruce wood in a batch extractor--effects of wood particle size. <i>Bioresource Technology</i> , <b>2013</b> , 143, 212-20	11	54
717	Hydrodeoxygenation of Lignin-Derived Phenols: From Fundamental Studies towards Industrial Applications. <i>Catalysts</i> , <b>2017</b> , 7, 265	4	54
716	Kinetics of Aqueous Extraction of Hemicelluloses from Spruce in an Intensified Reactor System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 3818-3828	3.9	54
715	Pyrolysis of softwood carbohydrates in a fluidized bed reactor. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 1665-75	6.3	53
714	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> , <b>2014</b> , 485, 202-206	5.1	52
713	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> , <b>2018</b> , 8, 2928-2937	5.5	51
712	Sugar hydrogenation over a Ru/C catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 658-668	3.5	51
711	Double-Peak Catalytic Activity of Nanosized Gold Supported on Titania in Gas-Phase Selective Oxidation of Ethanol. <i>ChemCatChem</i> , <b>2010</b> , 2, 1535-1538	5.2	51
710	Utilization of electromagnetic and acoustic irradiation in enhancing heterogeneous catalytic reactions. <i>Applied Catalysis A: General</i> , <b>2005</b> , 279, 1-22	5.1	51
709	Isomerization of $\beta$ -Pinene over Clinoptilolite. <i>Journal of Catalysis</i> , <b>1999</b> , 185, 352-362	7.3	51
708	Acid hydrolysis of xylan. <i>Catalysis Today</i> , <b>2016</b> , 259, 376-380	5.3	50
707	Pyrolysis of pine and gasification of pine chars--influence of organically bound metals. <i>Bioresource Technology</i> , <b>2013</b> , 128, 22-9	11	50

706	Low temperature gas-phase oxidation of ethanol over Au/TiO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2012</b> , 433-434, 88-95	5.1	50
705	Hydrogenation of Vegetable Oils over Pd on Nanocomposite Carbon Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 7219-7225	3.9	50
704	Aqueous phase reforming of xylitol over Pt-Re bimetallic catalyst: Effect of the Re addition. <i>Catalysis Today</i> , <b>2014</b> , 223, 97-107	5.3	48
703	Isomerization of $\beta$ -pinene oxide using Fe-supported catalysts: Selective synthesis of campholenic aldehyde. <i>Applied Catalysis A: General</i> , <b>2014</b> , 470, 162-176	5.1	48
702	Chemical Characterization of Lube Oils. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 27-34	4.1	48
701	Selective hydrogenation of fatty acids to alcohols over highly dispersed ReO /TiO <sub>2</sub> catalyst. <i>Journal of Catalysis</i> , <b>2015</b> , 328, 197-207	7.3	48
700	Enantioselective Hydrogenation of 1-Phenyl-1,2-propanedione. <i>Journal of Catalysis</i> , <b>2001</b> , 204, 281-291	7.3	46
699	Kinetics of $\beta$ -Pinene Isomerization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1998</b> , 37, 2373-2377	3.9	46
698	Comparative study of sulfur-free nickel and palladium catalysts in hydrodeoxygenation of different fatty acid feedstocks for production of biofuels. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1476-1487	5.5	45
697	Catalysis in biomass processing. <i>Catalysis in Industry</i> , <b>2011</b> , 3, 218-249	0.8	45
696	The Effect of Alkoxide Ionic Liquids on the Synthesis of Dimethyl Carbonate from CO <sub>2</sub> and Methanol over ZrO <sub>2</sub> /MgO. <i>Catalysis Letters</i> , <b>2011</b> , 141, 1254-1261	2.8	45
695	Hydrodeoxygenation of vanillin over carbon supported metal catalysts. <i>Applied Catalysis A: General</i> , <b>2018</b> , 561, 137-149	5.1	45
694	Aqueous-phase reforming of xylitol over Pt/C and Pt/TiC-CDC catalysts: catalyst characterization and catalytic performance. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 387-401	5.5	44
693	Physicochemical stability of high indomethacin payload ordered mesoporous silica MCM-41 and SBA-15 microparticles. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 416, 242-51	6.5	44
692	Selective vapour-phase $\beta$ -pinene isomerization to camphene over gold-on-alumina catalyst. <i>Applied Catalysis A: General</i> , <b>2010</b> , 385, 136-143	5.1	44
691	Structure sensitivity in catalytic hydrogenation of glucose over ruthenium. <i>Catalysis Today</i> , <b>2015</b> , 241, 195-199	5.3	43
690	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> , <b>2011</b> , 176-177, 124-133	14.7	43
689	Preparation and characterisation of Ag/alumina catalysts for the removal of NO <sub>x</sub> emissions under oxygen rich conditions. <i>Topics in Catalysis</i> , <b>2004</b> , 30/31, 91-95	2.3	43

- 688 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 5.1 43
- 687 Synthesis and characterization of solid base mesoporous and microporous catalysts: Influence of the support, structure and type of base metal. *Microporous and Mesoporous Materials*, **2012**, 152, 71-77 5.3 42
- 686 Modeling of kinetics and stereoselectivity in liquid-phase  $\beta$ -pinene hydrogenation over Pd/C. *Applied Catalysis A: General*, **2009**, 356, 216-224 5.1 42
- 685 Catalytic oxidation of rare sugars over gold catalysts. *Catalysis Science and Technology*, **2013**, 3, 297-307 5.5 41
- 684 Catalysts based on platinum $\beta$ in and platinum $\beta$ allium in close contact for the selective hydrogenation of cinnamaldehyde. *Journal of Catalysis*, **2009**, 263, 146-154 7.3 41
- 683 Overview of catalytic methods for production of next generation biodiesel from natural oils and fats. *Russian Journal of Physical Chemistry B*, **2009**, 3, 1035-1043 1.2 41
- 682 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). *Organic and Biomolecular Chemistry*, **2009**, 7, 537-42 3.9 41
- 681 Aqueous-phase reforming of alcohols with three carbon atoms on carbon-supported Pt. *Catalysis Today*, **2018**, 301, 78-89 5.3 40
- 680 Spruce Hemicellulose for Chemicals Using Aqueous Extraction: Kinetics, Mass Transfer, and Modeling. *Industrial & Engineering Chemistry Research*, **2014**, 53, 6341-6350 3.9 40
- 679 Direct amination of dodecanol with NH<sub>3</sub> over heterogeneous catalysts. Catalyst screening and kinetic modelling. *Chemical Engineering Journal*, **2017**, 307, 739-749 14.7 40
- 678 CO<sub>2</sub> removal with  $\beta$ witchable $\beta$  versus  $\beta$ lassical $\beta$  ionic liquids. *Separation and Purification Technology*, **2012**, 97, 42-50 8.3 40
- 677 Step Changes and Deactivation Behavior in the Continuous Decarboxylation of Stearic Acid. *Industrial & Engineering Chemistry Research*, **2011**, 50, 11049-11058 3.9 40
- 676 Kinetics and modeling of 1-phenyl-1,2-propanedione hydrogenation. *Journal of Catalysis*, **2003**, 213, 7-16 7.3 40
- 675 Isomerization of  $\beta$ -pinene over ion-exchanged natural zeolites. *Chemical Engineering Journal*, **2003**, 91, 257-269 14.7 40
- 674 Kinetics of ethylbenzene hydrogenation on Ni/Al<sub>2</sub>O<sub>3</sub>. *Applied Catalysis A: General*, **1995**, 125, 271-291 5.1 40
- 673 Comparative study of the extraction methods for recovery of carotenoids from algae: extraction kinetics and effect of different extraction parameters. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 1607-1626 3.5 39
- 672 Selective Hydrolysis of Arabinogalactan into Arabinose and Galactose Over Heterogeneous Catalysts. *Catalysis Letters*, **2011**, 141, 408-412 2.8 39
- 671 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 2.3 39



670	Selective oxidation of arabinose to arabinonic acid over Pd/Au catalysts supported on alumina and ceria. <i>Applied Catalysis A: General</i> , <b>2011</b> , 392, 69-79	5.1	39
669	Kinetic modelling of a solid-liquid reaction: reduction of ferric iron to ferrous iron with zinc sulphide. <i>Chemical Engineering Science</i> , <b>2004</b> , 59, 919-930	4.4	39
668	XPS analysis of chlorine residues in supported Pt and Pd catalysts with low metal loading. <i>Applied Catalysis A: General</i> , <b>2003</b> , 247, 283-294	5.1	39
667	Esterification of propanoic acid with ethanol, 1-propanol and butanol over a heterogeneous fiber catalyst. <i>Chemical Engineering Journal</i> , <b>2005</b> , 115, 1-12	14.7	39
666	Application of in situ catalyst potential measurements for estimation of reaction performance: Lactose oxidation over Au and Pd catalysts. <i>Chemical Engineering Journal</i> , <b>2007</b> , 134, 153-161	14.7	38
665	Hydrogen as a remedy for the detrimental effect of aromatic and cyclic compounds on the HC-SCR over Ag/alumina. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 70, 65-72	21.8	38
664	Selective hydrogenation of cinnamaldehyde over Ru/Y zeolite. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 217, 145-154		38
663	Particle size effect in liquid-phase hydrogenation of phenylacetylene over Pd catalysts: Experimental data and theoretical analysis. <i>Chemical Engineering Journal</i> , <b>2019</b> , 358, 520-530	14.7	38
662	Microreactors as tools in kinetic investigations: Ethylene oxide formation on silver catalyst. <i>Chemical Engineering Science</i> , <b>2013</b> , 87, 306-314	4.4	37
661	Capturing CO <sub>2</sub> : conventional versus ionic-liquid based technologies. <i>Russian Chemical Reviews</i> , <b>2012</b> , 81, 435-457	6.8	37
660	Obtaining spruce hemicelluloses of desired molar mass by using pressurized hot water extraction. <i>ChemSusChem</i> , <b>2014</b> , 7, 2947-53	8.3	36
659	Heterogeneous Chemoenzymatic Catalyst Combinations for One-Pot Dynamic Kinetic Resolution Applications. <i>ChemCatChem</i> , <b>2015</b> , 7, 4004-4015	5.2	36
658	An investigation of a new regeneration method of commercial aged three-way catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 65, 93-100	21.8	36
657	Simple method for preparing of sulfur-doped graphitic carbon nitride with superior activity in CO <sub>2</sub> photoreduction. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4987-4993	1.8	36
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