

Dmitry Yu Murzin

List of Publications by Year in Descending Order

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

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	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	3.9	1
794	Aqueous phase reforming of birch and pine hemicellulose hydrolysates.. <i>Bioresource Technology</i> , 2022 , 348, 126809	11	0
793	Synthesis of Florol via Prins cyclization over heterogeneous catalysts. <i>Journal of Catalysis</i> , 2022 , 405, 288-302	7.3	0
792	Transformations of citral over bifunctional Ru-H-Y-80 extrudates in a continuous reactor. <i>Chemical Engineering Journal</i> , 2022 , 429, 132190	14.7	3
791	Diffusion measurements of hydrocarbons in H-MCM-41 extrudates with pulsed-field gradient nuclear magnetic resonance spectroscopy.. <i>Physical Chemistry Chemical Physics</i> , 2022 ,	3.6	1
790	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	3.9	1
789	Continuous synthesis of menthol from citronellal and citral over Ni-beta-zeolite-sepiolite composite catalyst. <i>Applied Catalysis A: General</i> , 2022 , 636, 118586	5.1	0
788	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	4.4	0
787	Cooperative catalytic nanokinetics. <i>Chemical Engineering Science</i> , 2022 , 256, 117684	4.4	0
786	The physicochemical and catalytic properties of clay extrudates in cyclization of citronellal. <i>Applied Catalysis A: General</i> , 2021 , 118426	5.1	1
785	CuZSM-5@HMS composite as an efficient micro-mesoporous catalyst for conversion of sugars into levulinic acid. <i>Catalysis Today</i> , 2021 ,	5.3	3
784	Clays catalyzed cascade Prins and Prins-Friedel-Crafts reactions for synthesis of terpenoid-derived polycyclic compounds. <i>Applied Catalysis A: General</i> , 2021 , 629, 118395	5.1	1
783	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	3.9	
782	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	2.8	1
781	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	0.7	3
780	Mono- and Bimetallic NiCo Catalysts in Dry Reforming of Methane. <i>ChemistrySelect</i> , 2021 , 6, 3424-3434	1.8	6
779	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	4.4	1

778	Kinetics of liquid-phase diphenylacetylene hydrogenation on single-atom alloy Pd-Ag catalyst: Experimental study and kinetic analysis. <i>Molecular Catalysis</i> , 2021 , 506, 111550	3.3	2
777	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	4.4	
776	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	5.1	1
775	Catalytic Transformation of Biomass-Derived 5-Hydroxymethylfurfural over Supported Bimetallic Iridium-Based Catalysts. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9657-9678	3.8	2
774	Catalytic activity of hierarchical beta zeolites in the Prins cyclization of (R)-isopulegol with acetone. <i>Applied Catalysis A: General</i> , 2021 , 618, 118131	5.1	1
773	Ultrasound irradiation as an effective tool in synthesis of the slag-based catalysts for carboxymethylation. <i>Ultrasonics Sonochemistry</i> , 2021 , 73, 105503	8.9	3
772	Catalytic synthesis of terpenoid-derived hexahydro-2H-chromenes with analgesic activity over halloysite nanotubes. <i>Applied Catalysis A: General</i> , 2021 , 618, 118144	5.1	1
771	Effect of metal particle shape on hydrogen assisted reactions. <i>Applied Catalysis A: General</i> , 2021 , 618, 118140	5.1	2
770	Continuous Liquid-Phase Epoxidation of Ethylene with Hydrogen Peroxide on a Titanium-Silicate Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9429-9436	3.9	2
769	Carboxymethylation of cinnamylalcohol with dimethyl carbonate over the slag-based catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 133, 601	1.6	
768	Coordination-Dependent Kinetics in the Catalysis of Gold Nanoclusters. <i>ACS Catalysis</i> , 2021 , 11, 9073-9085	5.1	2
767	Glucose transformations over a mechanical mixture of ZnO and Ru/C catalysts: Product distribution, thermodynamics and kinetics. <i>Chemical Engineering Journal</i> , 2021 , 405, 126945	14.7	3
766	Experimental and theoretical analysis of particle size effect in liquid-phase hydrogenation of diphenylacetylene. <i>Chemical Engineering Journal</i> , 2021 , 404, 126409	14.7	10
765	Oxidative dehydrogenation of ethanol on gold: Combination of kinetic experiments and computation approach to unravel the reaction mechanism. <i>Journal of Catalysis</i> , 2021 , 394, 193-205	7.3	11
764	Catalytic oxidative transformation of betulin to its valuable oxo-derivatives over gold supported catalysts: Effect of support nature. <i>Catalysis Today</i> , 2021 , 367, 95-110	5.3	3
763	Application of microreactor technology to dehydration of bio-ethanol. <i>Chemical Engineering Science</i> , 2021 , 229, 116030	4.4	7
762	Solvent-free synthesis of tetrahydropyran alcohols over acid-modified clays. <i>Molecular Catalysis</i> , 2021 , 499, 111306	3.3	2
761	Oxidation of glucose and arabinose mixtures over Au/Al ₂ O ₃ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 132, 59-72	1.6	3

760	Chemoselective heterogeneous iridium catalyzed hydrogenation of cinnamalaniline. <i>Catalysis Science and Technology</i> , 2021 , 11, 1481-1496	5.5	1
759	Enhanced H ₂ production in the aqueous-phase reforming of maltose by feedstock pre-hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119469	21.8	7
758	Catalytic Hydrogenation/Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. <i>ChemSusChem</i> , 2021 , 14, 150-168	8.3	6
757	Catalytic transformations of citral in a continuous flow over bifunctional Ru-MCM-41 extrudates. <i>Catalysis Science and Technology</i> , 2021 , 11, 2873-2884	5.5	5
756	Selectivity of the Lindlar catalyst in alkyne semi-hydrogenation: a direct liquid-phase adsorption study. <i>Catalysis Science and Technology</i> , 2021 , 11, 6205-6216	5.5	3
755	Deactivation and regeneration of Pt-modified zeolite Beta/Indzil extrudates in n-hexane hydroisomerization. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1645-1655	3.5	2
754	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	3.9	4
753	Biogas Reforming over Al-Co Catalyst Prepared by Solution Combustion Synthesis Method. <i>Catalysts</i> , 2021 , 11, 274	4	2
752	Parameter estimation in kinetic models of complex heterogeneous catalytic reactions using Bayesian statistics. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 133, 1-15	1.6	2
751	Graphitic Carbon Nitride as a Sustainable Catalyst for Selective Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5128-5137	8.3	6
750	Bayesian Statistics to Elucidate the Kinetics of Valerolactone from n-Butyl Levulinate Hydrogenation over Ru/C. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 11725-11736	3.9	6
749	Reactor Selection for Upgrading Hemicelluloses: Conventional and Miniaturised Reactors for Hydrogenations. <i>Processes</i> , 2021 , 9, 1558	2.9	0
748	Kinetics of cluster shape sensitive heterogeneous catalytic reactions. <i>Chemical Engineering Journal</i> , 2021 , 425, 130642	14.7	0
747	Hydroconversion of fatty acids and vegetable oils for production of jet fuels. <i>Fuel</i> , 2021 , 306, 121673	7.1	4
746	Liquid-Phase Hydrogenation of 1-Phenyl-1-propyne on the PdAg/AlO Single-Atom Alloy Catalyst: Kinetic Modeling and the Reaction Mechanism.. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
745	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	2.9	1
744	Heterogeneously Catalyzed Valerolactone Hydrogenation into 1,4-Pentanediol in Milder Reaction Conditions. <i>Reactions</i> , 2020 , 1, 54-71	1.5	7
743	Preparation of Al ₂ O ₃ /Ti-Al ₂ O ₃ ceramic foams as catalyst carriers via the replica technique. <i>Catalysis Today</i> , 2020 ,	5.3	2

742	Synthesis of isobenzofuran derivatives from renewable 2-carene over halloysite nanotubes. <i>Molecular Catalysis</i> , 2020 , 490, 110974	3.3	6
741	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	14.7	8
740	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	1.3	
739	Heterogeneous Catalytic Oxidation of Furfural with Hydrogen Peroxide over Sulfated Zirconia. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13516-13527	3.9	10
738	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	3.9	4
737	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. <i>Fuel</i> , 2020 , 278, 118193	7.1	9
736	Aqueous phase reforming of xylitol and xylose in the presence of formic acid. <i>Catalysis Science and Technology</i> , 2020 , 10, 5245-5255	5.5	2
735	Stereoselectivity Inversion by Water Addition in the BO_3H -catalyzed Tandem Prins-Ritter Reaction for Synthesis of 4-amidotetrahydropyran Derivatives. <i>ChemCatChem</i> , 2020 , 12, 2605-2609	5.2	7
734	2. Engineering catalysts 2020 , 49-228		
733	3. Engineering reactions 2020 , 229-390		
732	Catalytic synthesis of bioactive 2H-chromene alcohols from (R)-isopulegol and acetone on sulfonated clays. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 129, 627-644	1.6	4
731	Synthesis and Characterization of Palladium Supported Amino Functionalized Magnetic-MOF-MIL-101 as an Efficient and Recoverable Catalyst for Mizoroki-Hick Cross-Coupling. <i>Catalysis Letters</i> , 2020 , 150, 2617-2629	2.8	7
730	4. Engineering technology 2020 , 391-532		
729	Monoterpenoid Oximes Hydrogenation Over Platinum Catalysts. <i>Topics in Catalysis</i> , 2020 , 63, 187-195	2.3	1
728	Synthesis and physico-chemical characterization of Beta zeolite catalysts: Evaluation of catalytic properties in Prins cyclization of (R)-isopulegol. <i>Microporous and Mesoporous Materials</i> , 2020 , 302, 110236	5.3	3
727	Mesolevel Bifunctional Catalysis. <i>Kinetics and Catalysis</i> , 2020 , 61, 80-92	1.5	3
726	Techno-Economic Analysis for Production of L-Arabitol from L-Arabinose. <i>Chemical Engineering and Technology</i> , 2020 , 43, 1260-1267	2	2
725	Engineering Catalysis 2020 ,		4

724	Carbon Supported Size-Controlled Ru Catalysts for Selective Levulinic Acid Hydrogenation into γ -Valerolactone. <i>Journal of Siberian Federal University: Chemistry</i> , 2020 , 5-16	0.3	2
723	Comparison of Isobutane/n-Butenes Alkylation over Y-Zeolite Catalyst in CSTR, Fixed Bed and Circulating Flow Reactors. <i>Review Journal of Chemistry</i> , 2020 , 10, 58-72	1	0
722	Preparation of chiral izobenzofuranes based on 3-carene in the presence of halloysite nanocatalysts 2020 , 64, 426-430	0.2	
721	Biohydrogen from dilute side streams - Influence of reaction conditions on the conversion and selectivity in aqueous phase reforming of xylitol. <i>Biomass and Bioenergy</i> , 2020 , 138, 105590	5.3	5
720	Kinetic modeling of isobutane dehydrogenation over Ga ₂ O ₃ /Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2020 , 381, 122741	14.7	10
719	Kinetic modelling of heterogeneous catalytic oxidation of furfural with hydrogen peroxide to succinic acid. <i>Chemical Engineering Journal</i> , 2020 , 382, 122811	14.7	9
718	Influence of Structure Sensitivity on Apparent Activation Energy of Parallel Heterogeneous Catalytic Reactions. <i>Catalysis Letters</i> , 2020 , 150, 1561-1570	2.8	2
717	Metal catalysts supported on biochars: Part I synthesis and characterization. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118423	21.8	20
716	Hydrodeoxygenation of vanillin over noble metal catalyst supported on biochars: Part II: Catalytic behaviour. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118425	21.8	29
715	A Simulation Case Study for Bio-based Hydrogen Production from Hardwood Hemicellulose. <i>Computer Aided Chemical Engineering</i> , 2020 , 48, 1735-1740	0.6	
714	Requiem for the Rate-Determining Step in Complex Heterogeneous Catalytic Reactions?. <i>Reactions</i> , 2020 , 1, 37-46	1.5	2
713	Heterogeneous Catalytic Synthesis of Methyl Lactate and Lactic Acid from Sugars and Their Derivatives. <i>ChemSusChem</i> , 2020 , 13, 4833-4855	8.3	6
712	Cascade transformations of (E)-citronellal to menthol over extruded Ru-MCM-41 catalysts in a continuous reactor. <i>Catalysis Science and Technology</i> , 2020 , 10, 8108-8119	5.5	8
711	Non-Thermal Plasma for Process and Energy Intensification in Dry Reforming of Methane. <i>Catalysts</i> , 2020 , 10, 1358	4	13
710	On the optimum catalyst for structure sensitive heterogeneous catalytic reactions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 131, 5-17	1.6	1
709	Menthylamine synthesis via gold-catalyzed hydrogenation of menthone oxime. <i>Applied Catalysis A: General</i> , 2020 , 605, 117799	5.1	1
708	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	5.5	2
707	Hydrogenation of crude and purified d-glucosone generated by enzymatic oxidation of d-glucose.. <i>RSC Advances</i> , 2020 , 10, 30476-30480	3.7	1

706	Transformation of industrial steel slag with different structure-modifying agents for synthesis of catalysts. <i>Catalysis Today</i> , 2020 , 355, 768-780	5.3	4
705	One-Pot Myrtenol Amination over Au, Au/Pd and Pd Nanoparticles Supported on Alumina. <i>Catalysis Letters</i> , 2019 , 149, 3454-3464	2.8	2
704	On the Scientific Heritage of Mikhail Isaakovich Temkin. <i>Kinetics and Catalysis</i> , 2019 , 60, 388-397	1.5	5
703	Synthesis and Physicochemical Characterization of Shaped Catalysts of β and γ Zeolites for Cyclization of Citronellal. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18084-18096	3.9	17
702	Prins cyclization of (-)-isopulegol with benzaldehyde for production of chromenols over organosulfonic clays. <i>Molecular Catalysis</i> , 2019 , 478, 110569	3.3	5
701	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	3.3	9
700	Preparation of Betulone Via Betulin Oxidation Over Ru Nanoparticles Deposited on Graphitic Carbon Nitride. <i>Catalysis Letters</i> , 2019 , 149, 723-732	2.8	4
699	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	7.3	19
698	Kinetic and Thermodynamic Analysis of Guaiacol Hydrodeoxygenation. <i>Catalysis Letters</i> , 2019 , 149, 2453-2467	2.8	18
697	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	3.9	22
696	Oxidation of a wood extractive betulin to biologically active oxo-derivatives using supported gold catalysts. <i>Green Chemistry</i> , 2019 , 21, 3370-3382	10	7
695	Hydrogen production from sucrose via aqueous-phase reforming. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14605-14623	6.7	10
694	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	14.7	6
693	Hydrodeoxygenation of isoeugenol over Ni-SBA-15: Kinetics and modelling. <i>Applied Catalysis A: General</i> , 2019 , 580, 1-10	5.1	22
692	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	2.3	9
691	Catalytic oxidation kinetics of arabinose on supported gold nanoparticles. <i>Chemical Engineering Journal</i> , 2019 , 370, 952-961	14.7	8
690	Kinetics of ceria-catalysed ethene oxychlorination. <i>Journal of Catalysis</i> , 2019 , 372, 287-298	7.3	2
689	Pd Supported IRMOF-3: Heterogeneous, Efficient and Reusable Catalyst for Heck Reaction. <i>Catalysis Letters</i> , 2019 , 149, 1941-1951	2.8	21

688	On Apparent Activation Energy of Structure Sensitive Heterogeneous Catalytic Reactions. <i>Catalysis Letters</i> , 2019 , 149, 1455-1463	2.8	10
687	Aldol Condensation of Cyclopentanone with Valeraldehyde Over Metal Oxides. <i>Catalysis Letters</i> , 2019 , 149, 1383-1395	2.8	8
686	High purity fructose from inulin with heterogeneous catalysis from batch to continuous operation. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 418-425	3.5	4
685	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	3.5	3
684	Hydrodeoxygenation of Isoeugenol over Ni- and Co-Supported Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14545-14560	8.3	19
683	Reductive Amination of Ketones with Benzylamine Over Gold Supported on Different Oxides. <i>Catalysis Letters</i> , 2019 , 149, 3432-3446	2.8	7
682	Molybdenum Nitrides, Carbides and Phosphides as Highly Efficient Catalysts for the (hydro)Deoxygenation Reaction. <i>ChemistrySelect</i> , 2019 , 4, 8453-8459	1.8	10
681	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	14.7	5
680	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	3.9	16
679	Prins cyclisation of (-)-isopulegol with benzaldehyde over ZSM-5 based micro-mesoporous catalysts for production of pharmaceuticals. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1713-1720	11.3	6
678	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	7.3	14
677	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	3.3	
676	Chemoselective Hydrogenation of C=O Bond in Multiple Unsaturated Compounds Over Metals Supported on Mesoporous Materials. <i>Journal of Siberian Federal University: Chemistry</i> , 2019 , 536-549	0.3	1
675	Molecular insight on unusually high specific hydrogen adsorption over silicon carbide. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 6074-6085	6.7	3
674	Mesoporous carbon and microporous zeolite supported Ru catalysts for selective levulinic acid hydrogenation into γ -valerolactone. <i>Catalysis for Sustainable Energy</i> , 2019 , 6, 38-50	0.6	6
673	Synthesis of menthol from citronellal over supported Ru- and Pt-catalysts in continuous flow. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 2156-2169	4.9	10
672	Selective hydrodeoxygenation of biomass derived 5-hydroxymethylfurfural over silica supported iridium catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 270-283	21.8	34
671	Hydrodeoxygenation of phenolic model compounds over zirconia supported Ir and Ni-catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 737-759	1.6	17

670	Isomerization of β -Pinene Oxide: Solvent Effects, Kinetics and Thermodynamics. <i>Catalysis Letters</i> , 2019 , 149, 203-214	2.8	12
669	Ketonization kinetics of stearic acid. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 601-610	1.6	5
668	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	14.7	38
667	Selectivity Analysis for Networks Comprising Consecutive Reactions of Second and First Order. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	1
666	Influence of the support of copper catalysts on activity and 1,2-dichloroethane selectivity in ethylene oxychlorination. <i>Applied Catalysis A: General</i> , 2018 , 556, 41-51	5.1	12
665	Catalytic isomerization of β -pinene oxide in the presence of acid-modified clays. <i>Molecular Catalysis</i> , 2018 , 448, 18-29	3.3	20
664	One-pot monoterpene alcohol amination over Au/ZrO ₂ catalyst: Effect of the substrate structure. <i>Journal of Catalysis</i> , 2018 , 360, 127-134	7.3	15
663	Process design and techno-economical analysis of hydrogen production by aqueous phase reforming of sorbitol. <i>Chemical Engineering Research and Design</i> , 2018 , 134, 104-116	5.5	20
662	Physico-chemical properties of MoO ₃ /ZrO ₂ catalysts prepared by dry mixing for isobutane alkylation and butene transformations. <i>Applied Catalysis B: Environmental</i> , 2018 , 230, 246-259	21.8	18
661	Sibunit-Supported Mono- and Bimetallic Catalysts Used in Aqueous-Phase Reforming of Xylitol. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2050-2067	3.9	24
660	Ethylene epoxidation over supported silver catalysts Influence of catalyst pretreatment on conversion and selectivity. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1549-1557	3.5	10
659	The Impact of Salts Formed by the Neutralisation of (Ligno)Cellulose Hydrolysates on the Hydrogenation of Sugars. <i>ChemCatChem</i> , 2018 , 10, 2409-2416	5.2	3
658	Fluidized-Bed Isobutane Dehydrogenation over Alumina-Supported Ga ₂ O ₃ and Ga ₂ O ₃ /Cr ₂ O ₃ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 927-938	3.9	16
657	Racemization of Secondary-Amine-Containing Natural Products Using Heterogeneous Metal Catalysts. <i>ChemCatChem</i> , 2018 , 10, 2893-2899	5.2	3
656	Aqueous-phase reforming of alcohols with three carbon atoms on carbon-supported Pt. <i>Catalysis Today</i> , 2018 , 301, 78-89	5.3	40
655	Catalytic dehydrogenation of ethanol into acetaldehyde and isobutanol using mono- and multicomponent copper catalysts. <i>Comptes Rendus Chimie</i> , 2018 , 21, 194-209	2.7	24
654	High purity fructose from inulin with heterogeneous catalysis Kinetics and modelling. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 224-232	3.5	9
653	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	14.7	11

652	Ethene oxychlorination over CuCl ₂ /Al ₂ O ₃ catalyst in micro- and millistructured reactors. <i>Journal of Catalysis</i> , 2018 , 364, 334-344	7.3	13
651	Hydrogenation of (R)-Carvone in Presence of Gold Catalysts: Role of the Support. <i>Catalysis in Industry</i> , 2018 , 10, 159-165	0.8	0
650	Kinetics of Catalytic Wet Peroxide Oxidation of Phenolics in Olive Oil Mill Wastewaters over Copper Catalysts. <i>ACS Omega</i> , 2018 , 3, 7247-7260	3.9	9
649	Zeta Potential of Beta Zeolites: Influence of Structure, Acidity, pH, Temperature and Concentration. <i>Molecules</i> , 2018 , 23,	4.8	24
648	Acid-modified Halloysite Nanotubes as a Stereoselective Catalyst for Synthesis of 2H-Chromene Derivatives by the Reaction of Isopulegol with Aldehydes. <i>ChemCatChem</i> , 2018 , 10, 3950-3954	5.2	14
647	Modified Ag/TiO ₂ systems: Promising catalysts for liquid-phase oxidation of alcohols. <i>Fuel</i> , 2018 , 234, 110-119	7.1	11
646	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	5.5	51
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20	Gas phase hydrogenation of o- and p-xylene on Ni/Al ₂ O ₃ [Kinetic behaviour. <i>Applied Catalysis A: General</i> , 1996 , 145, 253-265	5.1	20
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18	Non-equilibrium effects in the liquid-phase catalytic hydrogenation. <i>Catalysis Today</i> , 1995 , 24, 35-39	5.3	16
17	On the kinetic interpretation of metal-support interaction. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 55, 275-281		4
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14	Modeling of Adsorption and Kinetics in Catalysis over Induced Nonuniform Surfaces: Surface Electronic Gas Model. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 1208-1218	3.9	22
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12	On the optimum catalyst for heterogeneous catalytic reactions over metals. <i>Reaction Kinetics and Catalysis Letters</i> , 1994 , 53, 467-474		4
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