

BlaÅ¾ Likožar

List of Publications by Year in descending order

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233
papers

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57719

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citing authors

#	ARTICLE	IF	CITATIONS
1	A review of bio-refining process intensification in catalytic conversion reactions, separations and purifications of hydroxymethylfurfural (HMF) and furfural. <i>Chemical Engineering Journal</i> , 2022, 429, 132325.	6.6	127
2	A review of sustainable lignocellulose biorefining applying (natural) deep eutectic solvents (DESs) for separations, catalysis and enzymatic biotransformation processes. <i>Reviews in Chemical Engineering</i> , 2022, 38, 243-272.	2.3	69
3	Metal-doped Cr ₂ O ₃ as a catalyst for non-oxidative propane and butane dehydrogenation: A multiscale kinetic study. <i>Applied Surface Science</i> , 2022, 575, 151653.	3.1	13
4	Artificial neural networks for bio-based chemical production or biorefining: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111748.	8.2	21
5	Cu-Mn-O nano-particle/nano-sheet spinel-type materials as catalysts in methanol steam reforming (MSR) and preferential oxidation (PROX) reaction for purified hydrogen production. <i>Renewable Energy</i> , 2022, 182, 713-724.	4.3	24
6	Supercritical Water Gasification of glycerol: Continuous reactor kinetics and transport phenomena modeling. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122200.	2.5	8
7	Hydrophilic to hydrophobic: Ultrafast conversion of cellulose nanofibrils by cold plasma fluorination. <i>Applied Surface Science</i> , 2022, 581, 152276.	3.1	24
8	Sulphur poisoning, water vapour and nitrogen dilution effects on copper-based catalyst dynamics, stability and deactivation during CO ₂ reduction reactions to methanol. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1073-1082.	1.9	16
9	Furfural hydrogenation over Cu, Ni, Pd, Pt, Re, Rh and Ru catalysts: Ab initio modelling of adsorption, desorption and reaction micro-kinetics. <i>Chemical Engineering Journal</i> , 2022, 436, 135070.	6.6	32
10	Scalable combustion synthesis of copper-based perovskite catalysts for CO ₂ reduction to methanol: Reaction structure-activity relationships, kinetics, and stability. <i>Chemical Engineering Science</i> , 2022, 250, 117423.	1.9	6
11	Fish and animal waste as catalysts for biodiesel synthesis. , 2022, , 119-136.		0
12	Production of butadiene by oxidative butane dehydrogenation with NO: effect of the oxidant species and lattice oxygen mobility in V ₂ O ₅ -WO ₃ /TiO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2022, 12, 2990-3003.	2.1	3
13	Electro-hydrogenation of biomass-derived levulinic acid to Î ³ -valerolactone via the magnetic heating of a Ru nanocatalyst. <i>Green Chemistry</i> , 2022, 24, 2788-2794.	4.6	8
14	Crustacean waste biorefinery as a sustainable cost-effective business model. <i>Chemical Engineering Journal</i> , 2022, 442, 135937.	6.6	33
15	Electrification of Catalytic Ammonia Production and Decomposition Reactions: From Resistance, Induction, and Dielectric Reactor Heating to Electrolysis. <i>ACS Applied Energy Materials</i> , 2022, 5, 5457-5472.	2.5	12
16	Solubility of hydrogen or oxygen in biomass-derived lipid, carbohydrate and lignin chemicals: From experiments to thermodynamic equilibria modelling. <i>Fluid Phase Equilibria</i> , 2022, 559, 113494.	1.4	0
17	Hydrocracking, hydrogenation and hydro-deoxygenation of fatty acids, esters and glycerides: Mechanisms, kinetics and transport phenomena. <i>Chemical Engineering Journal</i> , 2022, 444, 136564.	6.6	38
18	Permanent hydrophobic coating of chitosan/cellulose nanocrystals composite film by cold plasma processing. <i>Applied Surface Science</i> , 2022, 597, 153562.	3.1	9

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19	Assessment of Liquid and Solid Digestates from Anaerobic Digestion of Rice Husk as Potential Biofertilizer and Nutrient Source for Microalgae Cultivation. <i>Processes</i> , 2022, 10, 1007.	1.3	9
20	Catalytic lignin valorisation by depolymerisation, hydrogenation, demethylation and hydrodeoxygenation: Mechanism, chemical reaction kinetics and transport phenomena. <i>Chemical Engineering Journal</i> , 2022, 448, 137309.	6.6	31
21	Polythiacalixarene-Embedded Gold Nanoparticles for Visible-Light-Driven Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30796-30801.	4.0	8
22	Antioxidant and Antimicrobial Biofilm Based on Chitosan and Japanese Knotweed (<i>Fallopia japonica</i>). <i>Trends in Food Science and Technology</i> , 2022, 122, 102933.	2.2	3
23	Photocatalytic CO ₂ reduction to methanol over bismuth promoted BaTiO ₃ perovskite nanoparticle catalysts. <i>Renewable Energy</i> , 2022, 195, 885-895.	4.3	18
24	Mechanistic modeling of a continuous multi-segment multi-addition antisolvent crystallization of benzoic acid in a coiled flow inverter (CFI) crystallizer. <i>Separation and Purification Technology</i> , 2022, 298, 121571.	3.9	3
25	CO ₂ Activation over Nanoshaped CeO ₂ Decorated with Nickel for Low-Temperature Methane Dry Reforming. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31862-31878.	4.0	16
26	Methane Dry Reforming over Ni/Al ₂ O ₃ Catalyst in Spark Plasma Reactor: Linking Computational Fluid Dynamics (CFD) with Reaction Kinetic Modelling. <i>Catalysis Today</i> , 2021, 362, 11-21.	2.2	38
27	H ₂ -Free Re ⁰ -Based Catalytic Dehydroxylation of Aldaric Acid to Muconic and Adipic Acid Esters. <i>Angewandte Chemie</i> , 2021, 133, 1264-1273.	1.6	3
28	H ₂ -Free Re ⁰ -Based Catalytic Dehydroxylation of Aldaric Acid to Muconic and Adipic Acid Esters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1244-1253.	7.2	21
29	Engineering photocatalytic and photoelectrocatalytic CO ₂ reduction reactions: Mechanisms, intrinsic kinetics, mass transfer resistances, reactors and multi-scale modelling simulations. <i>Chemical Engineering Journal</i> , 2021, 407, 126799.	6.6	107
30	Catalytic hydrogenation, hydrocracking and isomerization reactions of biomass tar model compound mixture over Ni-modified zeolite catalysts in packed bed reactor. <i>Renewable Energy</i> , 2021, 167, 409-424.	4.3	55
31	Crystal-size distribution-based dynamic process modelling, optimization, and scaling for seeded batch cooling crystallization of Active Pharmaceutical Ingredients (API). <i>Chemical Engineering Research and Design</i> , 2021, 165, 254-269.	2.7	18
32	Surface kinetics and transport phenomena modelling for furfural hydrotreatment over Pd/C in isopropanol and tetrahydrofuran. <i>Applied Surface Science</i> , 2021, 541, 148485.	3.1	13
33	SrTiO ₃ /Bi ₄ Ti ₃ O ₁₂ Nanoheterostructural Platelets Synthesized by Topotactic Epitaxy as Effective Noble-Metal-Free Photocatalysts for pH-Neutral Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 370-381.	4.0	41
34	Biodegradability study of active chitosan biopolymer films enriched with Quercus polyphenol extract in different soil types. <i>Environmental Technology and Innovation</i> , 2021, 21, 101318.	3.0	40
35	Catalyst structure-based hydroxymethylfurfural (HMF) hydrogenation mechanisms, activity and selectivity over Ni. <i>Chemical Engineering Journal</i> , 2021, 412, 127553.	6.6	26
36	Dynamic multiscale metabolic network modeling of Chinese hamster ovary cell metabolism integrating N-linked glycosylation in industrial biopharmaceutical manufacturing. <i>Biotechnology and Bioengineering</i> , 2021, 118, 397-411.	1.7	12

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37	Process condition-based tuneable selective catalysis of hydroxymethylfurfural (HMF) hydrogenation reactions to aromatic, saturated cyclic and linear poly-functional alcohols over Niâ€“Ce/Al₂O₃. Green Chemistry, 2021, 23, 7996-8002.	4.6	14
38	Incorporating RNAâ€“Seq transcriptomics into glycosylationâ€“integrating metabolic network modelling kinetics: Multiomic Chinese hamster ovary (CHO) cell bioreactors. Biotechnology and Bioengineering, 2021, 118, 1476-1490.	1.7	5
39	Hydrocracking, hydrogenation and isomerization of model biomass tar in a packed bed reactor over bimetallic NiMo zeolite catalysts: Tailoring structure/acidity. Applied Catalysis A: General, 2021, 612, 118004.	2.2	31
40	Single-Step Production of Bio-Based Methyl Methacrylate from Biomass-Derived Organic Acids Using Solid Catalyst Material for Cascade Decarboxylationâ€“Esterification Reactions. ACS Sustainable Chemistry and Engineering, 2021, 9, 2902-2911.	3.2	11
41	Photo-Chemically-Deposited and Industrial Cu/ZnO/Al ₂ O ₃ Catalyst Material Surface Structures During CO ₂ Hydrogenation to Methanol: EXAFS, XANES and XPS Analyses of Phases After Oxidation, Reduction, and Reaction. Catalysis Letters, 2021, 151, 3114-3134.	1.4	7
42	Furfural hydrogenation, hydrodeoxygenation and etherification over MoO ₂ and MoO ₃ : A combined experimental and theoretical study. Applied Surface Science, 2021, 543, 148836.	3.1	17
43	Chitin Deacetylation Using Deep Eutectic Solvents: <i>Ab Initio</i>-Supported Process Optimization. ACS Sustainable Chemistry and Engineering, 2021, 9, 3874-3886.	3.2	36
44	Catalytic hydrocracking reactions of tetralin as aromatic biomass tar model compound to benzene/toluene/xylenes (BTX) over zeolites under ambient pressure conditions. Journal of Industrial and Engineering Chemistry, 2021, 96, 130-143.	2.9	47
45	Hydrogen solubility in bio-based furfural and furfuryl alcohol at elevated temperatures and pressures relevant for hydrodeoxygenation. Fuel, 2021, 290, 120021.	3.4	14
46	Hydrophobic functionalization reactions of structured cellulose nanomaterials: Mechanisms, kinetics and in silico multi-scale models. Carbohydrate Polymers, 2021, 259, 117742.	5.1	21
47	CeO ₂ and TiO ₂ support material effects on NH ₃ decomposition pathway mechanism over Cuâ€“Zn catalysts. Fuel Processing Technology, 2021, 215, 106752.	3.7	14
48	Solubility Temperature Dependence of Bio-Based Levulinic Acid, Furfural, and Hydroxymethylfurfural in Water, Nonpolar, Polar Aprotic and Protic Solvents. Processes, 2021, 9, 924.	1.3	18
49	Mechanistic crystal size distribution (CSD)-based modelling of continuous antisolvent crystallization of benzoic acid. Chemical Engineering Research and Design, 2021, 170, 256-269.	2.7	11
50	Ambient-Pressured Acid-Catalysed Ethylene Glycol Organosolv Process: Liquefaction Structureâ€“Activity Relationships from Model Celluloseâ€“Lignin Mixtures to Lignocellulosic Wood Biomass. Polymers, 2021, 13, 1988.	2.0	2
51	Radical Polymerization of Acrylates, Methacrylates, and Styrene: Biobased Approaches, Mechanism, Kinetics, Secondary Reactions, and Modeling. Industrial & Engineering Chemistry Research, 2021, 60, 9347-9367.	1.8	44
52	Functional Nanocellulose, Alginate and Chitosan Nanocomposites Designed as Active Film Packaging Materials. Polymers, 2021, 13, 2523.	2.0	47
53	Effect of Textural Properties and Presence of Co-Cation on NH ₃ -SCR Activity of Cu-Exchanged ZSM-5. Catalysts, 2021, 11, 843.	1.6	13
54	Effect of Surface Oxidation on Oxidative Propane Dehydrogenation over Chromia: An Ab Initio Multiscale Kinetic Study. ACS Catalysis, 2021, 11, 11233-11247.	5.5	29

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55	Lignocellulosic Corn Stover Biomass Pre-Treatment by Deep Eutectic Solvents (DES) for Biomethane Production Process by Bioresource Anaerobic Digestion. Sustainability, 2021, 13, 10504.	1.6	28
56	Reaction Path Analysis of CO ₂ Reduction to Methanol through Multisite Microkinetic Modelling over Cu/ZnO/Al ₂ O ₃ Catalysts. Applied Catalysis B: Environmental, 2021, 292, 120190.	10.8	25
57	Catalytic hydrocracking, hydrogenation, and isomerization reactions of model biomass tar over (W/Ni)-zeolites. Journal of Industrial and Engineering Chemistry, 2021, 101, 293-306.	2.9	22
58	Direct methanol production from mixed methane/H ₂ O/N ₂ O feedstocks over Cu-Fe/Al ₂ O ₃ catalysts. Fuel, 2021, 301, 121084.	3.4	11
59	Production of syngas by CO ₂ reduction through Reverse Water-Gas Shift (RWGS) over catalytically-active molybdenum-based carbide, nitride and composite nanowires. Renewable Energy, 2021, 176, 251-261.	4.3	21
60	Hydrogen solubility equilibria in bio-based Guaiacol or Levulinic acid/water mixture as lignin or cellulose depolymerization model solutions. Fluid Phase Equilibria, 2021, 546, 113115.	1.4	4
61	Enzymatic bioconversion process of lignin: mechanisms, reactions and kinetics. Bioresource Technology, 2021, 340, 125655.	4.8	28
62	Mechanistic kinetic modelling of enzyme-catalysed oxidation reactions of 5-hydroxymethylfurfural (HMF) to 2,5-furandicarboxylic acid (FDCA). Chemical Engineering Science, 2021, 246, 116982.	1.9	3
63	Scalable Mechanochemical Amorphization of Bimetallic Cu-Zn MOF-74 Catalyst for Selective CO ₂ Reduction Reaction to Methanol. ACS Applied Materials & Interfaces, 2021, 13, 3070-3077.	4.0	84
64	Continuous Crystallization Processes in Pharmaceutical Manufacturing: A Review. Organic Process Research and Development, 2021, 25, 16-42.	1.3	80
65	Intensification of Sulfuric Acid Leaching of Altered Ilmenite via Adding Fluoride Activator. Processes, 2021, 9, 1922.	1.3	1
66	Solubility of Luteolin and Other Polyphenolic Compounds in Water, Nonpolar, Polar Aprotic and Protic Solvents by Applying FTIR/HPLC. Processes, 2021, 9, 1952.	1.3	14
67	Bio-Based Epoxy Adhesives with Lignin-Based Aromatic Monophenols Replacing Bisphenol A. Polymers, 2021, 13, 3879.	2.0	7
68	Organosolv Lignin Barrier Paper Coatings from Waste Biomass Resources. Polymers, 2021, 13, 4443.	2.0	8
69	Reactor conceptual design by optimization for hydrogen production through intensified sorption- and membrane-enhanced water-gas shift reaction. Chemical Engineering Science, 2020, 211, 115174.	1.9	22
70	Continuous Photo-Electro-Catalytic Synthesis of Bio-Based Adipic Acid with Reaction Kinetics Modeling. Chemical Engineering and Technology, 2020, 43, 375-379.	0.9	5
71	One-step synthesis of ethanol from glycerol in a gas phase packed bed reactor over hierarchical alkali-treated zeolite catalyst materials. Green Chemistry, 2020, 22, 753-765.	4.6	23
72	From waste/residual marine biomass to active biopolymer-based packaging film materials for food industry applications – a review. Physical Sciences Reviews, 2020, 5, .	0.8	11

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73	Heterogeneous Cu-Fe oxide catalysts for preferential CO oxidation (PROX) in H ₂ -rich process streams. RSC Advances, 2020, 10, 35792-35802.	1.7	6
74	Advances in catalytic production processes of biomass-derived vinyl monomers. Catalysis Science and Technology, 2020, 10, 5411-5437.	2.1	25
75	Acid-catalysed β -O-4 aryl-ether bond cleavage in methanol/(aqueous) ethanol: understanding depolymerisation of a lignin model compound during organosolv pretreatment. Scientific Reports, 2020, 10, 11037.	1.6	41
76	First-Principles-Based Multiscale Modelling of Nonoxidative Butane Dehydrogenation on Cr ₂ O ₃ (0001). ACS Catalysis, 2020, 10, 14732-14746.	5.5	16
77	Digital Twinning Process for Stirred Tank Reactors/Separation Unit Operations through Tandem Experimental/Computational Fluid Dynamics (CFD) Simulations. Processes, 2020, 8, 1511.	1.3	7
78	Photocatalytic CO ₂ Reduction: A Review of Ab Initio Mechanism, Kinetics, and Multiscale Modeling Simulations. ACS Catalysis, 2020, 10, 14984-15007.	5.5	199
79	Reduction in Spoilage Microbiota and Cyclopiazonic Acid Mycotoxin with Chestnut Extract Enriched Chitosan Packaging: Stability of Inoculated Gouda Cheese. Foods, 2020, 9, 1645.	1.9	15
80	Acid-Catalyzed β -O-4 Aryl-Ether Cleavage Mechanisms in (Aqueous) β -Valerolactone: Catalytic Depolymerization Reactions of Lignin Model Compound During Organosolv Pretreatment. ACS Sustainable Chemistry and Engineering, 2020, 8, 17475-17486.	3.2	28
81	A hierarchical Ru-bearing alumina/magnetic iron-oxide composite for the magnetically heated hydrogenation of furfural. Green Chemistry, 2020, 22, 5978-5983.	4.6	22
82	Multiscale modelling of CO ₂ reduction to methanol over industrial Cu/ZnO/Al ₂ O ₃ heterogeneous catalyst: Linking ab initio surface reaction kinetics with reactor fluid dynamics. Journal of Cleaner Production, 2020, 275, 122958.	4.6	45
83	Surface structure-based CO ₂ reduction reaction modelling over supported copper catalysts. Journal of CO ₂ Utilization, 2020, 41, 101234.	3.3	15
84	Chemical reactor/compounding vessel fingerprinting: Scale-up/down considerations for homogeneous and heterogeneous mixing using computational fluid dynamics. Chemical Engineering Research and Design, 2020, 163, 125-137.	2.7	8
85	Synthesis of Calcium Orthophosphates by Chemical Precipitation in Aqueous Solutions: The Effect of the Acidity, Ca/P Molar Ratio, and Temperature on the Phase Composition and Solubility of Precipitates. Processes, 2020, 8, 1009.	1.3	22
86	Ab Initio Multiscale Process Modeling of Ethane, Propane and Butane Dehydrogenation Reactions: A Review. Catalysts, 2020, 10, 1405.	1.6	22
87	Propylene Epoxidation using Molecular Oxygen over Copper- and Silver-Based Catalysts: A Review. ACS Catalysis, 2020, 10, 13415-13436.	5.5	77
88	Allyl alcohol production by gas phase conversion reactions of glycerol over bifunctional hierarchical zeolite-supported bi- and tri-metallic catalysts. Chemical Engineering Journal, 2020, 397, 125430.	6.6	31
89	Electroporation as a Solvent-Free Green Technique for Non-Destructive Extraction of Proteins and Lipids From <i>Chlorella vulgaris</i> . Frontiers in Bioengineering and Biotechnology, 2020, 8, 443.	2.0	24
90	Magnetic Heating of Nanoparticles Applied in the Synthesis of a Magnetically Recyclable Hydrogenation Nanocatalyst. Nanomaterials, 2020, 10, 1142.	1.9	11

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91	Effect of Na, Cs and Ca on propylene epoxidation selectivity over CuO _x /SiO ₂ catalysts studied by catalytic tests, in-situ XAS and DFT. Applied Surface Science, 2020, 528, 146854.	3.1	15
92	Mechanism, Thermodynamics and Kinetics of Rutile Leaching Process by Sulfuric Acid Reactions. Processes, 2020, 8, 640.	1.3	21
93	Scaling of lignin monomer hydrogenation, hydrodeoxygenation and hydrocracking reaction micro-kinetics over solid metal/acid catalysts to aromatic oligomers. Chemical Engineering Journal, 2020, 399, 125712.	6.6	31
94	Chitin dissolution, deacetylation and valorization in deep eutectic solvents. Biopolymers, 2020, 111, e23351.	1.2	37
95	Surface structure-activity relationships of Cu/ZnGaO catalysts in low temperature water-gas shift (WGS) reaction for production of hydrogen fuel. Arabian Journal of Chemistry, 2020, 13, 5060-5074.	2.3	9
96	Active chitosan-chestnut extract films used for packaging and storage of fresh pasta. International Journal of Food Science and Technology, 2020, 55, 3043-3052.	1.3	32
97	How Size Matters: Electronic, Cooperative, and Geometric Effect in Perovskite-Supported Copper Catalysts for CO ₂ Reduction. ACS Catalysis, 2020, 10, 4092-4102.	5.5	46
98	Chitin isolation from crustacean waste using a hybrid demineralization/DBD plasma process. Carbohydrate Polymers, 2020, 246, 116648.	5.1	37
99	Sulfuric Acid Leaching of Altered Ilmenite Using Thermal, Mechanical and Chemical Activation. Minerals (Basel, Switzerland), 2020, 10, 538.	0.8	13
100	Synergistic effect of CuO nanocrystals and Cu-oxo-Fe clusters on silica support in promotion of total catalytic oxidation of toluene as a model volatile organic air pollutant. Applied Catalysis B: Environmental, 2020, 268, 118749.	10.8	63
101	Critical assessment of steady-state kinetic models for the synthesis of methanol over an industrial Cu/ZnO/Al ₂ O ₃ catalyst. Chemical Engineering Journal, 2020, 389, 124181.	6.6	67
102	Micro-kinetic modelling of photocatalytic CO ₂ reduction over undoped and N-doped TiO ₂ . Catalysis Science and Technology, 2020, 10, 1688-1698.	2.1	30
103	Micro-kinetics of non-oxidative methane coupling to ethylene over Pt/CeO ₂ catalyst. Chemical Engineering Journal, 2020, 396, 125182.	6.6	33
104	A Review of Methane Activation Reactions by Halogenation: Catalysis, Mechanism, Kinetics, Modeling, and Reactors. Processes, 2020, 8, 443.	1.3	14
105	Bifunctional metallic-acidic mechanisms of hydrodeoxygenation of eugenol as lignin model compound over supported Cu, Ni, Pd, Pt, Rh and Ru catalyst materials. Chemical Engineering Journal, 2020, 394, 124914.	6.6	49
106	One-step synthesis of glycidol from glycerol in a gas-phase packed-bed continuous flow reactor over HZSM-5 zeolite catalysts modified by CsNO ₃ . Chemical Engineering Journal, 2020, 394, 124945.	6.6	36
107	Kinetics of non-oxidative propane dehydrogenation on Cr ₂ O ₃ and the nature of catalyst deactivation from first-principles simulations. Journal of Catalysis, 2020, 386, 126-138.	3.1	51
108	Enzymatic conversion reactions of 5-hydroxymethylfurfural (HMF) to bio-based 2,5-diformylfuran (DFF) and 2,5-furandicarboxylic acid (FDCA) with air: mechanisms, pathways and synthesis selectivity. Biotechnology for Biofuels, 2020, 13, 66.	6.2	48

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109	Process analytical technology-based (PAT) model simulations of a combined cooling, seeded and antisolvent crystallization of an active pharmaceutical ingredient (API). <i>Powder Technology</i> , 2020, 366, 873-890.	2.1	35
110	Formulation of active food packaging by design: Linking composition of the film-forming solution to properties of the chitosan-based film by response surface methodology (RSM) modelling. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 971-978.	3.6	23
111	Controlling the radical-induced redox chemistry inside a liquid-cell TEM. <i>Chemical Science</i> , 2019, 10, 8735-8743.	3.7	37
112	Nonoxidative methane activation, coupling, and conversion to ethane, ethylene, and hydrogen over Fe/HZSM-5, Mo/HZSM-5, and Fe-Mo/HZSM-5 catalysts in packed bed reactor. <i>International Journal of Energy Research</i> , 2019, 43, 6852.	2.2	9
113	Real-time Particle Size Analysis Using the Focused Beam Reflectance Measurement Probe for In Situ Fabrication of Polyacrylamide-Filler Composite Materials. <i>Scientific Reports</i> , 2019, 9, 10126.	1.6	15
114	Natural plant extracts as active components in chitosan-based films: A comparative study. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100365.	3.3	50
115	Synthesis of bio-based methacrylic acid from biomass-derived itaconic acid over barium hexa-aluminate catalyst by selective decarboxylation reaction. <i>Molecular Catalysis</i> , 2019, 476, 110520.	1.0	19
116	Mechanisms of Copper-Based Catalyst Deactivation during CO ₂ Reduction to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13021-13029.	1.8	94
117	Copolymerization of Biomass-Derived Carboxylic Acids for Biobased Acrylic Emulsions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19825-19831.	1.8	12
118	Plasma-activated methane partial oxidation reaction to oxygenate platform chemicals over Fe, Mo, Pd and zeolite catalysts. <i>International Journal of Energy Research</i> , 2019, 43, 8085.	2.2	8
119	Understanding and Kinetic Modeling of Complex Degradation Pathways in the Solid Dosage Form: The Case of Saxagliptin. <i>Pharmaceutics</i> , 2019, 11, 452.	2.0	10
120	Catalysis of material surface defects: Multiscale modeling of methanol synthesis by CO ₂ reduction on copper. <i>Applied Surface Science</i> , 2019, 497, 143783.	3.1	40
121	Cascade valorization process of brown alga seaweed <i>Laminaria hyperborea</i> by isolation of polyphenols and alginate. <i>Journal of Applied Phycology</i> , 2019, 31, 3915-3924.	1.5	21
122	Catalyst-free aza-Michael addition for C-N coupling in active pharmaceutical ingredient synthesis: Modelling of thermodynamic, reaction kinetics and mass transfer considerations. <i>Chemical Engineering Journal</i> , 2019, 374, 924-936.	6.6	7
123	Selective catalytic decarboxylation of biomass-derived carboxylic acids to bio-based methacrylic acid over hexaaluminate catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117889.	10.8	24
124	Structured titanium oxynitride (TiO N) nanotube arrays for a continuous electrocatalytic phenol-degradation process: Synthesis, characterization, mechanisms and the chemical reaction micro-kinetics. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117894.	10.8	29
125	Chitosan-based films with incorporated supercritical CO ₂ hop extract: Structural, physicochemical, and antibacterial properties. <i>Carbohydrate Polymers</i> , 2019, 219, 261-268.	5.1	47
126	Multiscale modelling from quantum level to reactor scale: An example of ethylene epoxidation on silver catalysts. <i>Catalysis Today</i> , 2019, 338, 128-140.	2.2	27

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127	Multiscale Modeling of (Hemi)cellulose Hydrolysis and Cascade Hydrotreatment of 5-Hydroxymethylfurfural, Furfural, and Levulinic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16018-16032.	1.8	72
128	Catalytic Cracking of Biomass-Derived Hydrocarbon Tars or Model Compounds To Form Biobased Benzene, Toluene, and Xylene Isomer Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7690-7705.	1.8	47
129	Aqueous Dehydration, Hydrogenation and Hydrodeoxygenation Reactions of Bio-Based Mucic Acid over Ni, NiMo, Pt, Rh, and Ru on Neutral or Acidic Catalyst Supports. <i>Catalysts</i> , 2019, 9, 286.	1.6	26
130	The role of copper oxidation state in Cu/ZnO/Al ₂ O ₃ catalysts in CO ₂ hydrogenation and methanol productivity. <i>Renewable Energy</i> , 2019, 140, 452-460.	4.3	142
131	Synthesis of a Cu/ZnO Nanocomposite by Electroless Plating for the Catalytic Conversion of CO ₂ to Methanol. <i>Catalysis Letters</i> , 2019, 149, 1427-1439.	1.4	14
132	Back-extraction process operation and modeling through thermodynamic equilibrium solubility of valeric acid in aqueous and organic phase mixtures. <i>Separation and Purification Technology</i> , 2019, 222, 125-135.	3.9	4
133	Crystallization of fesoterodine fumarate active pharmaceutical ingredient: Modelling of thermodynamic equilibrium, nucleation, growth, agglomeration and dissolution kinetics and temperature cycling. <i>Chemical Engineering Science</i> , 2019, 201, 97-111.	1.9	31
134	Crustacean shell bio-refining to chitin by natural deep eutectic solvents. <i>Green Processing and Synthesis</i> , 2019, 9, 13-25.	1.3	79
135	The effect of oxidant species on direct, non-syngas conversion of methane to methanol over an FePO ₄ catalyst material. <i>RSC Advances</i> , 2019, 9, 30989-31003.	1.7	22
136	Experimental Dimensional Accuracy Analysis of Reformer Prototype Model Produced by FDM and SLA 3D Printing Technology. <i>Lecture Notes in Networks and Systems</i> , 2019, , 84-95.	0.5	10
137	Development, optimization and scale-up of stereo-selective enzymatic Baeyer-Villiger oxidation of pyrimetazole to esomeprazole active ingredient in an industrial-scale slurry reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 214-221.	2.9	5
138	Mechanism, ab initio calculations and microkinetics of straight-chain alcohol, ether, ester, aldehyde and carboxylic acid hydrodeoxygenation over Ni-Mo catalyst. <i>Chemical Engineering Journal</i> , 2019, 359, 1339-1351.	6.6	35
139	Hydrogenation and hydrodeoxygenation of aromatic lignin monomers over Cu/C, Ni/C, Pd/C, Pt/C, Rh/C and Ru/C catalysts: Mechanisms, reaction micro-kinetic modelling and quantitative structure-activity relationships. <i>Chemical Engineering Journal</i> , 2019, 359, 305-320.	6.6	138
140	Catalytic Hydrogenation of Carbon Dioxide to Methanol: Synergistic Effect of Bifunctional Cu/Perovskite Catalysts. <i>ACS Catalysis</i> , 2019, 9, 105-116.	5.5	44
141	Continuous photocatalytic, electrocatalytic and photo-electrocatalytic degradation of a reactive textile dye for wastewater-treatment processes: Batch, microreactor and scaled-up operation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 178-188.	2.9	69
142	Natural deep eutectic solvents (DES) for fractionation of waste lignocellulosic biomass and its cascade conversion to value-added bio-based chemicals. <i>Biomass and Bioenergy</i> , 2019, 120, 417-425.	2.9	170
143	Dynamic metabolic network modeling of mammalian Chinese hamster ovary (CHO) cell cultures with continuous phase kinetics transitions. <i>Biochemical Engineering Journal</i> , 2019, 142, 124-134.	1.8	11
144	Protein A affinity chromatography of Chinese hamster ovary (CHO) cell culture broths containing biopharmaceutical monoclonal antibody (mAb): Experiments and mechanistic transport, binding and equilibrium modeling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 44-56.	1.2	20

#	ARTICLE	IF	CITATIONS
145	Comparison of computational fluid dynamics (CFD) and pressure drop correlations in laminar flow regime for packed bed reactors and columns. <i>Powder Technology</i> , 2018, 328, 130-139.	2.1	37
146	An intensified atmospheric plasma-based process for the isolation of the chitin biopolymer from waste crustacean biomass. <i>Green Chemistry</i> , 2018, 20, 1199-1204.	4.6	47
147	Catalytic hydrogenation and hydrodeoxygenation of lignin-derived model compound eugenol over Ru/C: Intrinsic microkinetics and transport phenomena. <i>Chemical Engineering Journal</i> , 2018, 333, 240-259.	6.6	84
148	PROX reaction of CO in H ₂ /H ₂ O/CO ₂ Waterâ€“Gas Shift (WGS) feedstocks over Cuâ€“Mn/Al ₂ O ₃ and Cuâ€“Ni/Al ₂ O ₃ catalysts for fuel cell applications. <i>Renewable Energy</i> , 2018, 116, 75-87.	4.3	30
149	Synthesis, characterization and activity of CuZnGaO _x catalysts for the waterâ€“gas shift (WGS) reaction for H ₂ production and CO removal after reforming. <i>Fuel Processing Technology</i> , 2018, 169, 217-225.	3.7	34
150	Selective photocatalytic oxidation of benzene to phenol using carbon nanotube (CNT)-supported Cu and TiO ₂ heterogeneous catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 331-341.	2.7	32
151	First-principles mechanistic study of ring hydrogenation and deoxygenation reactions of eugenol over Ru(0001) catalysts. <i>Journal of Catalysis</i> , 2018, 358, 8-18.	3.1	37
152	A reactionâ€“diffusion kinetic model for the heterogeneous N-deacetylation step in chitin material conversion to chitosan in catalytic alkaline solutions. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 920-929.	1.9	18
153	Correlation between synthesis pH, structure and Cu/MgO/Al ₂ O ₃ heterogeneous catalyst activity and selectivity in CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2018, 28, 189-199.	3.3	69
154	Catalytic Hydrogenation, Hydrodeoxygenation, and Hydrocracking Processes of a Lignin Monomer Model Compound Eugenol over Magnetic Ru/Câ€“Fe ₂ O ₃ and Mechanistic Reaction Microkinetics. <i>Catalysts</i> , 2018, 8, 425.	1.6	34
155	Conversion of Palmitic Acid Over Bi-functional Ni/ZSM-5 Catalyst: Effect of Stoichiometric Ni/Al Molar Ratio. <i>Topics in Catalysis</i> , 2018, 61, 1757-1768.	1.3	32
156	Effect of alkaline earth metal oxide (MO) Cu/MO/Al ₂ O ₃ catalysts on methanol synthesis activity and selectivity via CO ₂ reduction. <i>Fuel</i> , 2018, 233, 103-112.	3.4	40
157	Preferential oxidation of CO in H ₂ /H ₂ O/CO ₂ waterâ€“gas shift feedstocks over Cu-based carbon nanotubes-supported heterogeneous catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1044-1058.	10.8	40
158	Magnetically separable Ru-based nano-catalyst for the hydrogenation/hydro-deoxygenation of lignin-derived platform chemicals. <i>Materials Research Letters</i> , 2018, 6, 426-431.	4.1	26
159	Efficient solid acid catalysts based on sulfated tin oxides for liquid phase esterification of levulinic acid with ethanol. <i>Applied Catalysis A: General</i> , 2018, 560, 119-131.	2.2	37
160	A review of plasma-assisted catalytic conversion of gaseous carbon dioxide and methane into value-added platform chemicals and fuels. <i>RSC Advances</i> , 2018, 8, 27481-27508.	1.7	153
161	Materialâ€™s Design beyond Lateral Attachment: Twin-Controlled Spatial Branching of Rutile TiO ₂ . <i>Crystal Growth and Design</i> , 2018, 18, 4484-4494.	1.4	12
162	Renewable glycerol esterification over sulfonic-modified mesoporous silicas. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 39-50.	0.4	12

#	ARTICLE	IF	CITATIONS
163	Mechanism, kinetics and thermodynamics of carbon dioxide hydrogenation to methanol on Cu/ZnAl ₂ O ₄ spinel-type heterogeneous catalysts. Applied Catalysis B: Environmental, 2017, 207, 267-278.	10.8	91
164	CO ₂ -free hydrogen generation via decomposition of ammonia over copper and zinc-based catalysts. Fuel, 2017, 196, 325-335.	3.4	38
165	Application of Mössbauer spectroscopy in industrial heterogeneous catalysis: effect of oxidant on FePO ₄ material phase transformations in direct methanol synthesis from methane. Hyperfine Interactions, 2017, 238, 1.	0.2	7
166	CO _x -free hydrogen production via decomposition of ammonia over Cu-Zn-based heterogeneous catalysts and their activity/stability. Applied Catalysis B: Environmental, 2017, 211, 57-67.	10.8	74
167	Mechanism, ab initio calculations and microkinetics of hydrogenation, hydrodeoxygenation, double bond migration and cis-trans isomerisation during hydrotreatment of C ₆ secondary alcohol species and ketones. Applied Catalysis B: Environmental, 2017, 218, 147-162.	10.8	33
168	Effect of O ₂ , CO ₂ and N ₂ O on Ni-Mo/Al ₂ O ₃ catalyst oxygen mobility in n-butane activation and conversion to 1,3-butadiene. Catalysis Science and Technology, 2017, 7, 3291-3302.	2.1	24
169	Selective catalytic reduction of NO by CO over bimetallic transition metals supported by multi-walled carbon nanotubes (MWCNT). Chemical Engineering Journal, 2017, 326, 886-900.	6.6	44
170	Zr-modified hierarchical mordenite as heterogeneous catalyst for glycerol esterification. Catalysis Communications, 2017, 100, 10-14.	1.6	39
171	Conceptual design of an integrated thermally self-sustained methanol steam reformer - High-temperature PEM fuel cell stack manportable power generator. International Journal of Hydrogen Energy, 2017, 42, 16700-16713.	3.8	41
172	Effect of Copper-based Catalyst Support on Reverse Water-Gas Shift Reaction (RWGS) Activity for CO ₂ Reduction. Chemical Engineering and Technology, 2017, 40, 973-980.	0.9	67
173	Unravelling the mechanisms of CO ₂ hydrogenation to methanol on Cu-based catalysts using first-principles multiscale modelling and experiments. Catalysis Science and Technology, 2017, 7, 5900-5913.	2.1	85
174	Influence of geometry on pressure and velocity distribution in packed-bed methanol steam reforming reactor. AIP Conference Proceedings, 2017, , .	0.3	1
175	Levulinic acid hydrodeoxygenation, decarboxylation and oligmerization over NiMo/Al ₂ O ₃ catalyst to bio-based value-added chemicals: Modelling of mass transfer, thermodynamics and micro-kinetics. Chemical Engineering Journal, 2017, 330, 383-397.	6.6	80
176	Kinetic Monte Carlo Simulations of Methanol Synthesis from Carbon Dioxide and Hydrogen on Cu(111) Catalysts: Statistical Uncertainty Study. Journal of Physical Chemistry C, 2017, 121, 17941-17949.	1.5	34
177	Removal of inorganics from sludge and digestate: the BiAR process. Water Practice and Technology, 2017, 12, 937-941.	1.0	2
178	Activation and Decomposition of Methane over Cobalt-, Copper-, and Iron-based Heterogeneous Catalysts for CO ₂ -Free Hydrogen and Multiwalled Carbon Nanotube Production. Energy Technology, 2017, 5, 1344-1355.	1.8	34
179	Solid Solubility in Cu ₅ Gd _{1-x} Cax System: Structure, Stability, and Hydrogenation. Advances in Materials Science and Engineering, 2017, 2017, 1-9.	1.0	2
180	Kinetics and reactor modeling for CaO sorption-enhanced high-temperature water-gas shift (SE-WGS) reaction for hydrogen production. Applied Energy, 2016, 178, 844-855.	5.1	37

#	ARTICLE	IF	CITATIONS
181	Simultaneous Liquefaction and Hydrodeoxygenation of Lignocellulosic Biomass over NiMo/Al ₂ O ₃ , Pd/Al ₂ O ₃ , and Zeolite Y Catalysts in Hydrogen Donor Solvents. <i>ChemCatChem</i> , 2016, 8, 180-191.	1.8	89
182	Mechanism and kinetics of phenol photocatalytic, electrocatalytic and photoelectrocatalytic degradation in a TiO ₂ -nanotube fixed-bed microreactor. <i>Chemical Engineering Journal</i> , 2016, 303, 292-301.	6.6	76
183	Preparation of Cu/ZnO-based heterogeneous catalysts by photochemical deposition, their characterisation and application for methanol synthesis from carbon dioxide and hydrogen. <i>Fuel Processing Technology</i> , 2016, 146, 39-47.	3.7	19
184	Transesterification of oil to biodiesel in a continuous tubular reactor with static mixers: Modelling reaction kinetics, mass transfer, scale-up and optimization considering fatty acid composition. <i>Fuel Processing Technology</i> , 2016, 142, 326-336.	3.7	117
185	Modelling chemical kinetics of a complex reaction network of active pharmaceutical ingredient (API) synthesis with process optimization for benzazepine heterocyclic compound. <i>Chemical Engineering Journal</i> , 2016, 283, 703-716.	6.6	20
186	Synthesis and characterization of gallium-promoted copper ceria catalyst and its application for methanol steam reforming in a packed bed reactor. <i>Catalysis Today</i> , 2015, 256, 358-364.	2.2	39
187	In-situ Generation of Ni Nanoparticles from Metal-Organic Framework Precursors and Their Use for Biomass Hydrodeoxygenation. <i>ChemSusChem</i> , 2015, 8, 1703-1710.	3.6	26
188	Kinetic model of homogeneous lignocellulosic biomass solvolysis in glycerol and imidazolium-based ionic liquids with subsequent heterogeneous hydrodeoxygenation over NiMo/Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2015, 256, 302-314.	2.2	71
189	Hydrodynamics, mass transfer, and photocatalytic phenol selective oxidation reaction kinetics in a fixed TiO_2 microreactor. <i>AIChE Journal</i> , 2015, 61, 572-581.	1.8	33
190	Hydrodeoxygenation of solvolysed lignocellulosic biomass by unsupported MoS ₂ , MoO ₂ , Mo ₂ C and WS ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 467-477.	10.8	118
191	Biofuel from Lignocellulosic Biomass Liquefaction in Waste Glycerol and Its Catalytic Upgrade. , 2015, , 137-144.		2
192	Hydrotreatment of solvolytically liquefied lignocellulosic biomass over NiMo/Al ₂ O ₃ catalyst: Reaction mechanism, hydrodeoxygenation kinetics and mass transfer model based on FTIR. <i>Biomass and Bioenergy</i> , 2014, 63, 300-312.	2.9	88
193	Transesterification of canola, palm, peanut, soybean and sunflower oil with methanol, ethanol, isopropanol, butanol and tert-butanol to biodiesel: Modelling of chemical equilibrium, reaction kinetics and mass transfer based on fatty acid composition. <i>Applied Energy</i> , 2014, 123, 108-120.	5.1	149
194	Co-gasification of biomass and plastics: Pyrolysis kinetics studies, experiments on 100kW dual fluidized bed pilot plant and development of thermodynamic equilibrium model and balances. <i>Bioresource Technology</i> , 2014, 162, 21-29.	4.8	86
195	Effect of process conditions on equilibrium, reaction kinetics and mass transfer for triglyceride transesterification to biodiesel: Experimental and modeling based on fatty acid composition. <i>Fuel Processing Technology</i> , 2014, 122, 30-41.	3.7	142
196	Hydrodeoxygenation of liquefied biomass on urchin-like MoS ₂ . <i>Catalysis Communications</i> , 2014, 46, 183-186.	1.6	44
197	Hydrodeoxygenation and hydrocracking of solvolysed lignocellulosic biomass by oxide, reduced and sulphide form of NiMo, Ni, Mo and Pd catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 275-287.	10.8	187
198	Dissolution, Nucleation, Crystal Growth, Crystal Aggregation, and Particle Breakage of Amlodipine Salts: Modeling Crystallization Kinetics and Thermodynamic Equilibrium, Scale-up, and Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10762-10774.	1.8	36

#	ARTICLE	IF	CITATIONS
199	Curing kinetics study of melamine-urea-formaldehyde resin/liquefied wood. <i>Wood Science and Technology</i> , 2013, 47, 395-409.	1.4	9
200	Pyrolysis of natural, butadiene, styrene-butadiene rubber and tyre components: Modelling kinetics and transport phenomena at different heating rates and formulations. <i>Chemical Engineering Science</i> , 2013, 87, 1-13.	1.9	75
201	Catalytic surface development of novel nickel plate catalyst with combined thermally annealed platinum and alumina coatings for steam methane reforming. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1419-1429.	3.8	31
202	Steam Methane Reforming over Ni-based Pellet-type and Pt/Ni/Al ₂ O ₃ Structured Plate-type Catalyst: Intrinsic Kinetics Study. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13597-13606.	1.8	35
203	The impact of ZnO load, stability and morphology on the kinetics of the photocatalytic degradation of caffeine and resazurin. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 202-209.	10.8	30
204	Interpretation of Experimental Results for Vancomycin Adsorption on Polymeric Resins in a Fixed Bed Column by Mathematical Modeling with Independently Estimated Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9247-9258.	1.8	11
205	Optimization of Ligninolytic Enzyme Activity and Production Rate with <i>Ceriporiopsis subvermispora</i> for Application in Bioremediation by Varying Submerged Media Composition and Growth Immobilization Support. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11365-11384.	1.8	15
206	Curing kinetics study of melamine-urea-formaldehyde resin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1413-1422.	2.0	22
207	Comparison of adsorption equilibrium and kinetic models for a case study of pharmaceutical active ingredient adsorption from fermentation broths: parameter determination, simulation, sensitivity analysis and optimization. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 635-652.	0.7	14
208	Growth, lipid extraction and thermal degradation of the microalga <i>Chlorella vulgaris</i> . <i>New Biotechnology</i> , 2012, 29, 325-331.	2.4	141
209	Equilibrium and kinetics of vancomycin adsorption on polymeric adsorbent. <i>AIChE Journal</i> , 2012, 58, 99-106.	1.8	14
210	Cross-Linking of Polymers: Kinetics and Transport Phenomena. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 1558-1570.	1.8	13
211	The effect of ionic liquid type on the properties of hydrogenated nitrile elastomer/hydroxy-functionalized multi-walled carbon nanotube/ionic liquid composites. <i>Soft Matter</i> , 2011, 7, 970-977.	1.2	34
212	Kinetic modeling of the peroxide cross-linking of polymer/monomer blends: From a theoretical model framework to its application for a complex polymer/monomer dispersion system. <i>Reactive and Functional Polymers</i> , 2011, 71, 11-22.	2.0	8
213	Modeling of chemical kinetics of elastomer/hydroxyl- and carboxyl-functionalized multiwalled carbon nanotubes nanocomposites' cross-linking. <i>Polymer Engineering and Science</i> , 2011, 51, 542-549.	1.5	5
214	Kinetic modeling of the peroxide cross-linking of polymers: From a theoretical model framework to its application for a complex polymer system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011, 50, 200-210.	1.8	11
215	Morphology, mechanical, cross-linking, thermal, and tribological properties of nitrile and hydrogenated nitrile rubber/multi-walled carbon nanotubes composites prepared by melt compounding: The effect of acrylonitrile content and hydrogenation. <i>Applied Surface Science</i> , 2010, 257, 565-573.	3.1	73
216	The transesterification of rapeseed and waste sunflower oils: Mass-transfer and kinetics in a laboratory batch reactor and in an industrial-scale reactor/separator setup. <i>Bioresource Technology</i> , 2010, 101, 3333-3344.	4.8	84

#	ARTICLE	IF	CITATIONS
217	Simulation of chemical kinetics of elastomer crosslinking by organic peroxides. <i>Polymer Engineering and Science</i> , 2009, 49, 60-72.	1.5	18
218	Modeling of the dynamic mechanical properties of the coagent reinforced row hydrogenated poly(butadiene-co-acrylonitrile) (HNBR) and the morphology of coagent nanodispersions in HNBR matrix. <i>Polimery</i> , 2009, 54, 436-447.	0.4	2
219	The influence of the polymerization on properties of an ethylacrylate/2-ethyl hexylacrylate pressure-sensitive adhesive suspension. <i>International Journal of Adhesion and Adhesives</i> , 2008, 28, 382-390.	1.4	32
220	Influence of morphology on the dynamic mechanical properties of hydrogenated acrylonitrile butadiene elastomer/coagent nanodispersions. <i>Journal of Applied Polymer Science</i> , 2008, 110, 183-195.	1.3	13
221	A study of heat transfer during molding of elastomers. <i>Chemical Engineering Science</i> , 2008, 63, 3181-3192.	1.9	26
222	Temperature Profile Analysis of the Citrate-Nitrate Combustion System. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4379-4386.	1.8	11
223	Comparison of conventional and controlled bulk polymerization of styrene by N-methyl-2-pyrrolidone and 1-dodecanethiol. <i>E-Polymers</i> , 2008, 8, .	1.3	0
224	Temperature Dependent Dynamic Mechanical Properties of Hydrogenated Nitrile Butadiene Rubber and the Effect of Peroxide Cross-linkers. <i>E-Polymers</i> , 2007, 7, .	1.3	1
225	Kinetic and heat transfer modeling of rubber blends' sulfur vulcanization with N-t-butylbenzothiazole-sulfenamide and N,N-di-t-butylbenzothiazole-sulfenamide. <i>Journal of Applied Polymer Science</i> , 2007, 103, 293-307.	1.3	20
226	Kinetics of hydroxymethyl phenols formation by in-line FTIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2007, 106, 878-888.	1.3	10
227	Modeling of dynamic mechanical properties of vulcanized fluoroelastomer. <i>Polymer Engineering and Science</i> , 2007, 47, 2085-2094.	1.5	3
228	Modeling the Vulcanization of Rubber Blends. <i>Macromolecular Symposia</i> , 2006, 243, 104-113.	0.4	9
229	Preparation of a Highly Active Cu/Zno-Based Catalysts for the Methanol Synthesis with the Photochemical Method. , 0, , .		0
230	Catalytic Conversion of Biomass-derived Furfural into Value-Added Chemicals. , 0, , .		0
231	A Novel Process to Produce Adipic Acid by Catalytic Dehydroxylation of Biomass-derived Mucic Acid. , 0, , .		0
232	One-pot Algae Conversion Into Sustainable Biofuel by Catalytic Hydroprocessing. , 0, , .		0
233	Development of FTIR, UV and Fluorescence Based Analytical Methodology for Lignin Characterisation. , 0, , .		0