

Martino Di Serio

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.

215
papers

5,711
citations

37
h-index

66
g-index

222
ext. papers

6,315
ext. citations

4.8
avg. IF

5.66
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 215 | Revealing the role of stabilizers in H ₂ O ₂ for the peroxyformic acid synthesis and decomposition kinetics. <i>Chemical Engineering Science</i> , 2022 , 251, 117488 | 4.4 | 0 |
| 214 | Solvent-free direct esterification of acrylic acid with 2-ethylhexyl alcohol using simple Zn(II) catalysts. <i>Inorganica Chimica Acta</i> , 2022 , 534, 120821 | 2.7 | 0 |
| 213 | Heterogeneous Photodegradation for the Abatement of Recalcitrant COD in Synthetic Tanning Wastewater. <i>ChemEngineering</i> , 2022 , 6, 25 | 2.6 | 0 |
| 212 | Physicochemical and application properties of C13-branched alcohol ethoxylates (BAEO) with different ethylene oxide addition numbers. <i>Journal of Molecular Liquids</i> , 2022 , 355, 118985 | 6 | 0 |
| 211 | The role of metallic and acid sites of Ru-Nb-Si catalysts in the transformation of levulinic acid to γ -valerolactone. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121340 | 21.8 | 1 |
| 210 | Nonanoic acid esterification with 2-ethylhexanol: From batch to continuous operation. <i>Chemical Engineering Journal</i> , 2022 , 444, 136572 | 14.7 | 0 |
| 209 | Synthesis and Properties of Primary Alcohol Ethoxylates Using Different Catalytic Systems. <i>ACS Omega</i> , 2021 , 6, 29774-29780 | 3.9 | 0 |
| 208 | The Evolution of the Fed Batch Ethoxylation Reactors to Produce the Non-Ionic Surfactants. <i>Frontiers in Chemical Engineering</i> , 2021 , 3, | 1 | 1 |
| 207 | Homogeneous Catalysis and Heterogeneous Recycling: A Simple Zn(II) Catalyst for Green Fatty Acid Esterification. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6001-6011 | 8.3 | 6 |
| 206 | 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 |
| 205 | Biocomposites based on Poly(lactic acid), Cynara Cardunculus seed oil and fibrous presscake: a novel eco-friendly approach to hasten PLA biodegradation in common soil. <i>Polymer Degradation and Stability</i> , 2021 , 188, 109576 | 4.7 | 3 |
| 204 | Intraparticle Model for Non-Uniform Active Phase Distribution Catalysts in a Batch Reactor. <i>ChemEngineering</i> , 2021 , 5, 38 | 2.6 | 1 |
| 203 | Concentration-induced micelle-to-vesicle transitions in aqueous sodium ricinate branched polyoxyethylene ether solutions. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 1099-1105 | 1.5 | 3 |
| 202 | Investigation of the intrinsic reaction kinetics and the mass transfer phenomena of nonanoic acid esterification with 2-ethylhexanol promoted by sulfuric acid or Amberlite IR120. <i>Chemical Engineering Journal</i> , 2021 , 408, 127236 | 14.7 | 9 |
| 201 | Kinetic Modeling of Solketal Synthesis from Glycerol and Acetone Catalyzed by an Iron(III) Complex. <i>Catalysts</i> , 2021 , 11, 83 | 4 | 5 |
| 200 | Lactic Acid-Based Solvents for Sustainable EDLC Electrolytes. <i>Energies</i> , 2021 , 14, 4250 | 3.1 | 3 |
| 199 | Production of Sustainable Biochemicals by Means of Esterification Reaction and Heterogeneous Acid Catalysts. <i>ChemEngineering</i> , 2021 , 5, 46 | 2.6 | 1 |

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| 198 | Reactive Chromatography Applied to Ethyl Levulinate Synthesis: A Proof of Concept. <i>Processes</i> , 2021 , 9, 1684 | 2.9 | 2 |
| 197 | Modelling of transient kinetics in trickle bed reactors: Ethylene oxide production via hydrogen peroxide. <i>Chemical Engineering Science</i> , 2021 , 248, 117156 | 4.4 | 2 |
| 196 | Oleochemistry Products 2020 , 201-268 | | 2 |
| 195 | Quantification of Polyphenols and Metals in Chinese Tea Infusions by Mass Spectrometry. <i>Foods</i> , 2020 , 9, | 4.9 | 9 |
| 194 | Kinetic study of Amberlite IR120 catalyzed acid esterification of levulinic acid with ethanol: From batch to continuous operation. <i>Chemical Engineering Journal</i> , 2020 , 401, 126126 | 14.7 | 13 |
| 193 | Catalytic glycerol dehydration-oxidation to acrylic acid. <i>Catalysis Reviews - Science and Engineering</i> , 2020 , 62, 481-523 | 12.6 | 11 |
| 192 | Comparison of Different Possible Technologies for Epoxidation of Cynara cardunculus Seed Oil. <i>European Journal of Lipid Science and Technology</i> , 2020 , 122, 1900100 | 3 | 2 |
| 191 | Bio-lubricants synthesis from the epoxidized oil promoted by clays: Kinetic modelling. <i>Chemical Engineering Science</i> , 2020 , 214, 115445 | 4.4 | 6 |
| 190 | Hydrophobically Modified Alkali Soluble Emulsion Polymers: Literature Review. <i>Journal of Surfactants and Detergents</i> , 2020 , 23, 5-19 | 1.9 | 3 |
| 189 | Active and stable ceria-zirconia supported molybdenum oxide catalysts for cyclooctene epoxidation: Effect of the preparation procedure. <i>Catalysis Today</i> , 2020 , 345, 201-212 | 5.3 | 4 |
| 188 | Applications of Metal Organic Frameworks in Wastewater Treatment: A Review on Adsorption and Photodegradation. <i>Frontiers in Chemical Engineering</i> , 2020 , 2, | 1 | 19 |
| 187 | Intraparticle diffusion model to determine the intrinsic kinetics of ethyl levulinate synthesis promoted by Amberlyst-15. <i>Chemical Engineering Science</i> , 2020 , 228, 115974 | 4.4 | 14 |
| 186 | Kinetics of Soybean Oil Epoxidation in a Semibatch Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21700-21711 | 3.9 | 4 |
| 185 | Sustainable Synthesis of Epoxidized Cynara C. Seed Oil. <i>Catalysts</i> , 2020 , 10, 721 | 4 | 3 |
| 184 | Alkoxylation for Surfactant Productions: Toward the Continuous Reactors. <i>Frontiers in Chemical Engineering</i> , 2020 , 2, | 1 | 1 |
| 183 | Soybean Oil Epoxidation: Kinetics of the Epoxide Ring Opening Reactions. <i>Processes</i> , 2020 , 8, 1134 | 2.9 | 7 |
| 182 | Intraparticle Modeling of Non-Uniform Active Phase Distribution Catalyst. <i>ChemEngineering</i> , 2020 , 4, 24 | 2.6 | 2 |
| 181 | and Strategies to Enhance the Properties of PHB-Based Materials: A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 619266 | 5.8 | 19 |

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|-----|---|------|----|
| 180 | Cynara cardunculus Biomass Recovery: An Eco-Sustainable, Nonedible Resource of Vegetable Oil for the Production of Poly(lactic acid) Bioplasticizers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4069-4077 | 8.3 | 23 |
| 179 | Self-Activating Catalyst for Glucose Hydrogenation in the Aqueous Phase under Mild Conditions. <i>ACS Catalysis</i> , 2019 , 9, 3426-3436 | 13.1 | 18 |
| 178 | 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 |
| 177 | Chromatographic reactor modelling. <i>Chemical Engineering Journal</i> , 2019 , 377, 119692 | 14.7 | 6 |
| 176 | Poly (Lactic Acid)/Thermoplastic Starch Films: Effect of Cardoon Seed Epoxidized Oil on Their Chemicophysical, Mechanical, and Barrier Properties. <i>Coatings</i> , 2019 , 9, 574 | 2.9 | 36 |
| 175 | Synthesis and Properties of 9,10-Dihydroxystearic Acid Ethoxylate. <i>Tenside, Surfactants, Detergents</i> , 2019 , 56, 237-243 | 1 | 3 |
| 174 | The Performance Comparison Of Branched Methyl Stearate Ethoxylate and Linear Methyl Stearate Ethoxylate. <i>Tenside, Surfactants, Detergents</i> , 2019 , 56, 327-332 | 1 | |
| 173 | A Sustainable Process for the Production of Varnishes Based on Pelargonic Acid Esters. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2019 , 96, 443-451 | 1.8 | 13 |
| 172 | Chemical Reaction Engineering as a Bridge Between Nano and Macro World. <i>Frontiers in Chemical Engineering</i> , 2019 , 1, | 1 | 1 |
| 171 | Synthesis and properties of dihydroxyoleic acid methyl ester ethoxylates. <i>Journal of Dispersion Science and Technology</i> , 2019 , 40, 1272-1279 | 1.5 | 2 |
| 170 | Falling film reactor modelling for sulfonation reactions. <i>Chemical Engineering Journal</i> , 2019 , 377, 120464 | 14.7 | 2 |
| 169 | Modelling of homogeneously catalyzed hemicelluloses hydrolysis in a laminar-flow reactor. <i>Chemical Engineering Science</i> , 2019 , 195, 758-766 | 4.4 | 5 |
| 168 | Synthesis, Surface Properties, and Self-Aggregation Behavior of a Branched N,N-Dimethylalkylamine Oxide Surfactant. <i>Journal of Surfactants and Detergents</i> , 2019 , 22, 115-124 | 1.9 | 7 |
| 167 | Synthesis and properties of Sulfo carboxyl disodium salt. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1360-1366 | 1.5 | 4 |
| 166 | Polyethoxylation and polypropoxylation reactions: Kinetics, mass transfer and industrial reactor design. <i>Chinese Journal of Chemical Engineering</i> , 2018 , 26, 1235-1251 | 3.2 | 6 |
| 165 | Synthesis and characterization of sustainable polyurethane foams based on polyhydroxyls with different terminal groups. <i>Polymer</i> , 2018 , 149, 134-145 | 3.9 | 28 |
| 164 | Coking of Catalysts in Catalytic Glycerol Dehydration to Acrolein. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10736-10753 | 3.9 | 23 |
| 163 | Kinetics and Modelling of Levulinic Acid Esterification in Batch and Continuous Reactors. <i>Topics in Catalysis</i> , 2018 , 61, 1856-1865 | 2.3 | 12 |

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| 162 | Validation of the Kinetics of the Hydrogen Peroxide Propene Oxide Process in a Dynamic Continuous Stirred Tank Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16201-16208 | 3.9 | 4 |
| 161 | Characterization of sustainable polyhydroxyls, produced from bio-based feedstock, and polyurethane and copolymer urethane-amide foams. <i>Data in Brief</i> , 2018 , 21, 269-275 | 1.2 | 4 |
| 160 | Influence of sulfonic acid group on the performance of castor oil acid based methyl ester ethoxylate sulfonate. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1693-1698 | 1.5 | 2 |
| 159 | A predictive model for the diffusion of a highly non-ideal ternary system. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 18436-18446 | 3.6 | 10 |
| 158 | A SolGel Ruthenium-Niobium-Silicon Mixed-Oxide Bifunctional Catalyst for the Hydrogenation of Levulinic Acid in the Aqueous Phase. <i>ChemCatChem</i> , 2017 , 9, 1476-1486 | 5.2 | 16 |
| 157 | Fluid-Solid Adsorption in Batch and Continuous Processing: A Review and Insights into Modeling. <i>Chemical Engineering and Technology</i> , 2017 , 40, 799-820 | 2 | 28 |
| 156 | Cleaner hydrothermal hydrogenolysis of glycerol to 1,2-propanediol over Cu/oxide catalysts without addition of external hydrogen. <i>Molecular Catalysis</i> , 2017 , 432, 274-284 | 3.3 | 26 |
| 155 | Niobium Based Catalysts for Methyl Oleate Epoxidation Reaction. <i>Topics in Catalysis</i> , 2017 , 60, 1054-1061 | 3 | 13 |
| 154 | Thermal risk in semi-batch reactors: The epoxidation of soybean oil. <i>Chemical Engineering Research and Design</i> , 2017 , 109, 529-537 | 5.5 | 30 |
| 153 | Kinetics of Performic Acid Synthesis and Decomposition. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12940-12952 | 3.9 | 24 |
| 152 | Liquid-Liquid-Solid Model for the Epoxidation of Soybean Oil Catalyzed by Amberlyst-16. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12963-12971 | 3.9 | 20 |
| 151 | Loop reactor modeling for lubricants synthesis. <i>Chemical Engineering Journal</i> , 2017 , 329, 295-304 | 14.7 | 4 |
| 150 | A critical review on analytical methods and characterization of butyl and bromobutyl rubber. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 348-360 | 1.7 | 8 |
| 149 | An Environmentally Friendly Nb-Bi Solid Catalyst for Acid-Demanding Reactions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17378-17389 | 3.8 | 15 |
| 148 | On the Importance of Choosing the Best Minimization Algorithm for the Determination of Ternary Diffusion Coefficients by the Taylor Dispersion Method. <i>ACS Omega</i> , 2017 , 2, 2945-2952 | 3.9 | 6 |
| 147 | Selective Epoxidation of Soybean Oil in the Presence of H β Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7930-7936 | 3.9 | 13 |
| 146 | Catalysis for esterification reactions: a key step in the biodiesel production from waste oils. <i>Rendiconti Lincei</i> , 2017 , 28, 117-123 | 1.7 | 15 |
| 145 | Synthesis of Biolubricant Basestocks from Epoxidized Soybean Oil. <i>Catalysts</i> , 2017 , 7, 309 | 4 | 18 |

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| 144 | Further verification of adsorption dynamic intraparticle model (ADIM) for fluid-solid adsorption kinetics in batch reactors. <i>Chemical Engineering Journal</i> , 2016 , 283, 1197-1202 | 14.7 | 13 |
| 143 | Synthesis of Monoalkyl Glyceryl Ethers by Ring Opening of Glycidol with Alcohols in the Presence of Lewis Acids. <i>ChemSusChem</i> , 2016 , 9, 3272-3275 | 8.3 | 24 |
| 142 | New Production Processes of Dichlorohydrins from Glycerol Using Acyl Chlorides as Catalysts or Reactants. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1484-1490 | 3.9 | 7 |
| 141 | A novel and robust homogeneous supported catalyst for biodiesel production. <i>Fuel</i> , 2016 , 171, 1-4 | 7.1 | 23 |
| 140 | Bio-based polyurethane foams from renewable resources 2016 , | | 5 |
| 139 | New findings on soybean and methylester epoxidation with alumina as the catalyst. <i>RSC Advances</i> , 2016 , 6, 31647-31652 | 3.7 | 20 |
| 138 | Efficient and selective conversion of glycidol to 1,2-propanediol over Pd/C catalyst. <i>Catalysis Communications</i> , 2016 , 77, 98-102 | 3.2 | 17 |
| 137 | Micellar Properties for Propoxylated Surfactants in Water/Alcohol Solvent Mixtures and Their Antibacterial and Polyester Fabric Antistatic Performances. <i>Journal of Surfactants and Detergents</i> , 2016 , 19, 543-552 | 1.9 | 6 |
| 136 | Design of an adsorption column for methylene blue abatement over silica: From batch to continuous modeling. <i>Chemical Engineering Journal</i> , 2016 , 302, 287-295 | 14.7 | 39 |
| 135 | Characteristics of Block Copolymers of Methyl Oxirane and Oxirane Derivatives of 2-Ethylhexanol as Obtained with KOH and Dimetalcyanide Type Catalyst. <i>Tenside, Surfactants, Detergents</i> , 2016 , 53, 259-264 | 1 | 1 |
| 134 | Properties of Ethoxylated Castor Oil Acid Methyl Esters Prepared by Ethoxylation over an Alkaline Catalyst. <i>Journal of Surfactants and Detergents</i> , 2015 , 18, 365-370 | 1.9 | 16 |
| 133 | Dynamic non-isothermal trickle bed reactor with both internal diffusion and heat conduction: Sugar hydrogenation as a case study. <i>Chemical Engineering Research and Design</i> , 2015 , 102, 171-185 | 5.5 | 18 |
| 132 | Influence of preparation methods and structure of niobium oxide-based catalysts in the epoxidation reaction. <i>Catalysis Today</i> , 2015 , 254, 99-103 | 5.3 | 32 |
| 131 | Modeling of microreactors for ethylene epoxidation and total oxidation. <i>Chemical Engineering Science</i> , 2015 , 134, 563-571 | 4.4 | 22 |
| 130 | Catalysts for the Ethoxylation of Esters. <i>Journal of Surfactants and Detergents</i> , 2015 , 18, 913-918 | 1.9 | 11 |
| 129 | Niobia supported on silica as a catalyst for Biodiesel production from waste oil. <i>Catalysis for Sustainable Energy</i> , 2015 , 2, 33-42 | 0.6 | 6 |
| 128 | Sustainable Process for Production of Azelaic Acid Through Oxidative Cleavage of Oleic Acid. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2015 , 92, 1701-1707 | 1.8 | 35 |
| 127 | A dynamic intraparticle model for fluid-solid adsorption kinetics. <i>Computers and Chemical Engineering</i> , 2015 , 74, 66-74 | 4 | 26 |

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| 126 | Strategies for immobilizing homogeneous zinc catalysts in biodiesel production. <i>Catalysis Communications</i> , 2014 , 56, 81-85 | 3.2 | 13 |
| 125 | Kinetics of Propene Oxide Production via Hydrogen Peroxide with TS-1. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6274-6287 | 3.9 | 34 |
| 124 | Chemical and Technical Aspects of the Synthesis of Chlorohydrins from Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8939-8962 | 3.9 | 27 |
| 123 | Glycerol chlorination in a gas-liquid semibatch reactor: New catalysts for chlorohydrin production. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 663-669 | 11.3 | 12 |
| 122 | Chemical and Technical Aspects of Propene Oxide Production via Hydrogen Peroxide (HPPO Process). <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 1168-1178 | 3.9 | 149 |
| 121 | Bioethanol as feedstock for chemicals such as acetaldehyde, ethyl acetate and pure hydrogen. <i>Biomass Conversion and Biorefinery</i> , 2013 , 3, 55-67 | 2.3 | 10 |
| 120 | Selective epoxidation of soybean oil with performic acid catalyzed by acidic ionic exchange resins. <i>Green Processing and Synthesis</i> , 2013 , 2, | 3.9 | 7 |
| 119 | Enhanced performances of grafted VOx on titania/silica for the selective photocatalytic oxidation of ethanol to acetaldehyde. <i>Catalysis Today</i> , 2013 , 209, 159-163 | 5.3 | 26 |
| 118 | Kinetic study of ethanol dehydrogenation to ethyl acetate promoted by a copper/copper-chromite based catalyst. <i>Catalysis Today</i> , 2013 , 203, 202-210 | 5.3 | 43 |
| 117 | Shiff base complexes of zinc(II) as catalysts for biodiesel production. <i>Journal of Molecular Catalysis A</i> , 2012 , 353-354, 106-110 | | 20 |
| 116 | Mg/Al hydrotalcite catalyst for biodiesel production in continuous packed bed reactors. <i>Catalysis Today</i> , 2012 , 195, 54-58 | 5.3 | 47 |
| 115 | Valuation of Nb ₂ O ₅ /BiO ₂ catalysts in soybean oil epoxidation. <i>Catalysis Today</i> , 2012 , 192, 112-116 | 5.3 | 45 |
| 114 | Main technologies in biodiesel production: State of the art and future challenges. <i>Catalysis Today</i> , 2012 , 195, 2-13 | 5.3 | 127 |
| 113 | Biodiesel process intensification: the role of the liquid-liquid interface area in the achievement of a complete conversion in few seconds. <i>Green Processing and Synthesis</i> , 2012 , 1, | 3.9 | 2 |
| 112 | Biodiesel Process Intensification by Using Static Mixers Tubular Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8777-8787 | 3.9 | 20 |
| 111 | Biphasic Model Describing Soybean Oil Epoxidation with H ₂ O ₂ in Continuous Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8760-8767 | 3.9 | 48 |
| 110 | Glycerol Chlorination in Gas-Liquid Semibatch Reactor: An Alternative Route for Chlorohydrins Production. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8768-8776 | 3.9 | 25 |
| 109 | Transfer of the epoxidation of soybean oil from batch to flow chemistry guided by cost and environmental issues. <i>ChemSusChem</i> , 2012 , 5, 300-11 | 8.3 | 52 |

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| 108 | Ethanol dehydrogenation to ethyl acetate by using copper and copper chromite catalysts. <i>Chemical Engineering Journal</i> , 2012 , 179, 209-220 | 14.7 | 118 |
| 107 | Biodiesel process intensification in a very simple microchannel device. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 52, 47-54 | 3.7 | 47 |
| 106 | A biphasic model describing soybean oil epoxidation with H ₂ O ₂ in a fed-batch reactor. <i>Chemical Engineering Journal</i> , 2011 , 173, 198-209 | 14.7 | 96 |
| 105 | A simple device to test biodiesel process intensification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011 , 50, 1085-1094 | 3.7 | 26 |
| 104 | A New Simple Microchannel Device To Test Process Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 2569-2575 | 3.9 | 17 |
| 103 | New Process for Producing Epichlorohydrin via Glycerol Chlorination. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 964-970 | 3.9 | 105 |
| 102 | Emerging Risks in the Biodiesel Production by Transesterification of Virgin and Renewable Oils. <i>Energy & Fuels</i> , 2010 , 24, 6103-6109 | 4.1 | 20 |
| 101 | New Process for the Production of Glycerol tert-Butyl Ethers. <i>Energy & Fuels</i> , 2010 , 24, 4668-4672 | 4.1 | 66 |
| 100 | Heterogeneous Catalysis in Biodiesel Production: The Influence of Leaching. <i>Topics in Catalysis</i> , 2010 , 53, 811-819 | 2.3 | 40 |
| 99 | Absorption of water/methanol binary system on ion-exchange resins. <i>Canadian Journal of Chemical Engineering</i> , 2010 , 88, 1044-1053 | 2.3 | 18 |
| 98 | Kinetics and modeling of fatty acids esterification on acid exchange resins. <i>Chemical Engineering Journal</i> , 2010 , 157, 539-550 | 14.7 | 93 |
| 97 | Acid exchange resins deactivation in the esterification of free fatty acids. <i>Chemical Engineering Journal</i> , 2010 , 161, 212-222 | 14.7 | 36 |
| 96 | Parallel Reactor Activity Studies of the Preferential Oxidation of CO on Transition Metals Supported on TiO ₂ and TiO ₂ Nanotubes. <i>Catalysis Letters</i> , 2009 , 130, 19-27 | 2.8 | 6 |
| 95 | Kinetics of free fatty acids esterification: Batch and loop reactor modeling. <i>Chemical Engineering Journal</i> , 2009 , 154, 25-33 | 14.7 | 57 |
| 94 | Methanol steam reforming: A comparison of different kinetics in the simulation of a packed bed reactor. <i>Chemical Engineering Journal</i> , 2009 , 154, 69-75 | 14.7 | 24 |
| 93 | Use of a Corrugated Plates Heat Exchanger Reactor for Obtaining Biodiesel with Very High Productivity. <i>Energy & Fuels</i> , 2009 , 23, 5206-5212 | 4.1 | 12 |
| 92 | Heterogeneous Catalysts for Biodiesel Production. <i>Energy & Fuels</i> , 2008 , 22, 207-217 | 4.1 | 613 |
| 91 | Gel derived niobium-silicon mixed oxides: Characterization and catalytic activity for cyclooctene epoxidation. <i>Applied Catalysis A: General</i> , 2008 , 347, 179-185 | 5.1 | 34 |

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| 90 | Comparison of Different Reactor Configurations for the Reduction of Free Acidity in Raw Materials for Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8355-8362 | 3.9 | 24 |
| 89 | Kinetics and Mass Transfer of Free Fatty Acids Esterification with Methanol in a Tubular Packed Bed Reactor: A Key Pretreatment in Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 5113-5121 | 3.9 | 37 |
| 88 | From Homogeneous to Heterogeneous Catalysts in Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6379-6384 | 3.9 | 141 |
| 87 | Vanadyl phosphate catalysts in biodiesel production. <i>Applied Catalysis A: General</i> , 2007 , 320, 1-7 | 5.1 | 96 |
| 86 | Kinetics of the oxidative dehydrogenation (ODH) of methanol to formaldehyde by supported vanadium-based nanocatalysts. <i>Catalysis Today</i> , 2007 , 128, 191-200 | 5.3 | 12 |
| 85 | Grafting of titanium alkoxides on high-surface SiO ₂ support: An advanced technique for the preparation of nanostructured TiO ₂ /SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2007 , 325, 256-262 | 5.1 | 63 |
| 84 | The role of recirculation loop on the risk of ethoxylation processes. <i>Journal of Loss Prevention in the Process Industries</i> , 2007 , 20, 238-250 | 3.5 | 3 |
| 83 | The evaluation of risks of ethoxylation reactors. <i>Process Safety Progress</i> , 2007 , 26, 304-311 | 1 | 3 |
| 82 | Study of the surface acidity of TiO ₂ /SiO ₂ catalysts by means of FTIR measurements of CO and NH ₃ adsorption. <i>Journal of Catalysis</i> , 2007 , 246, 293-300 | 7.3 | 75 |
| 81 | Kinetics of Glycerol Chlorination with Hydrochloric Acid: A New Route to 1,2-Dichlorohydrin. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6456-6465 | 3.9 | 50 |
| 80 | Supported vanadium oxide nanoparticles: effect of preparation method, support and type of precursor on the catalytic performances in the ODH of methanol to formaldehyde. <i>Studies in Surface Science and Catalysis</i> , 2006 , 697-704 | 1.8 | 1 |
| 79 | Preparation, characterization and catalytic performances of highly dispersed supported TiO ₂ /SiO ₂ catalysts in biodiesel production. <i>Studies in Surface Science and Catalysis</i> , 2006 , 299-306 | 1.8 | 10 |
| 78 | Transesterification of Soybean Oil to Biodiesel by Using Heterogeneous Basic Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3009-3014 | 3.9 | 340 |
| 77 | Comparison of Different Reactor Types Used in the Manufacture of Ethoxylated, Propoxylated Products. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 9482-9489 | 3.9 | 29 |
| 76 | Comparison between the Performances of a Well-Stirred Slurry Reactor and a Spray Loop Reactor for the Alkylation of p-Cresol with Isobutene. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 9473-9481 | 3.9 | 4 |
| 75 | Gas-Liquid and Gas-Liquid-Solid Reactions Performed in Spray Tower Loop Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 9461-9472 | 3.9 | 6 |
| 74 | Advantages in the Use of Membrane Contactors for the Study of Gas-Liquid and Gas-Liquid-Solid Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 9451-9460 | 3.9 | 2 |
| 73 | Kinetics of Oleic Acid Esterification with Methanol in the Presence of Triglycerides. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7978-7982 | 3.9 | 160 |

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| 72 | Synthesis of High Surface Area Phosphosilicate Glasses by a Modified Sol-Gel Method. <i>Chemistry of Materials</i> , 2005 , 17, 2081-2090 | 9.6 | 65 |
| 71 | Synthesis of biodiesel via homogeneous Lewis acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2005 , 239, 111-115 | | 192 |
| 70 | Modeling of polyurethane foam formation. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1875-1886 | 2.9 | 24 |
| 69 | Heterogeneous basic catalysts for the transesterification and the polycondensation reactions in PET production from DMT. <i>Journal of Molecular Catalysis A</i> , 2004 , 212, 251-257 | | 27 |
| 68 | Vanadium based catalysts prepared by grafting: preparation, properties and performances in the ODH of butane. <i>Applied Catalysis A: General</i> , 2004 , 270, 177-192 | 5.1 | 38 |
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