# Jean-Luc Dubois

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 2,195 citations | 201674 27 h-index | 233421 45 g-index |
| 64 all docs | 64 docs citations | 64 times ranked | 2111 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fluidized bed poly(methyl methacrylate) thermolysis to methyl methacrylate followed by catalytic hydrolysis to methacrylic acid. Applied Catalysis A: General, 2022, 638, 118637. | 4.3 | 5 |
| 2 | Review on Alternative Route to Acrolein through Oxidative Coupling of Alcohols. Catalysts, 2021, 11, 229. | 3.5 | 2 |
| 3 | Risk Analysis on PMMA Recycling Economics. Polymers, 2021, 13, 2724. | 4.5 | 30 |
| 4 | Acrolein production by oxidative coupling of alcohols over zinc and cobalt aluminate spinels enlightened by adsorption calorimetry study. Catalysis Today, 2021, , . | 4.4 | 0 |
| 5 | Oxidative coupling of a mixture of bio-alcohols to produce a more sustainable acrolein: An in depth look in the mechanism implying aldehydes co-adsorption and acid/base sites. Applied Catalysis B: Environmental, 2020, 268, 118421. | 20.2 | 9 |
| 6 | Sustainable acrolein production from bio-alcohols on spinel catalysts: Influence of magnesium substitution by various transition metals (Fe, Zn, Co, Cu, Mn). Applied Catalysis A: General, 2020, 608, 117871. | 4.3 | 9 |
| 7 | Progress in Reaction Mechanisms and Reactor Technologies for Thermochemical Recycling of Poly(methyl methacrylate). Polymers, 2020, 12, 1667. | 4.5 | 62 |
| 8 | A method for quick capital cost estimation of biorefineries beyond the state of the art. Biofuels, Bioproducts and Biorefining, 2020, 14, 1061-1088. | 3.7 | 10 |
| 9 | Synthesis of acrolein by oxidative coupling of alcohols over spinel catalysts: microcalorimetric and spectroscopic approaches. Catalysis Science and Technology, 2020, 10, 1889-1901. | 4.1 | 7 |
| 10 | Economic risk assessment using Monte Carlo simulation for the production of azelaic acid and pelargonic acid from vegetable oils. Industrial Crops and Products, 2020, 150, 112411. | 5.2 | 11 |
| 11 | Coupling Rhodiumâ€Catalyzed Hydroformylation of 10â€Undecenitrile with Organic Solvent Nanofiltration: Toluene Solution versus Solventâ€Free Processes. ChemPlusChem, 2019, 84, 1744-1760. | 2.8 | 4 |
| 12 | Cs, V, Cu Keggin-type catalysts partially oxidize 2-methyl-1,3-propanediol to methacrylic acid. Applied Catalysis A: General, 2018, 554, 105-116. | 4.3 | 19 |
| 13 | Oxidative Cleavage of Fatty Acid Derivatives for Monomer Synthesis. Catalysts, 2018, 8, 464. | 3.5 | 30 |
| 14 | Catalysis for the synthesis of methacrylic acid and methyl methacrylate. Chemical Society Reviews, 2018, 47, 7703-7738. | 38.1 | 123 |
| 15 | Acrolein production from methanol and ethanol mixtures over La- and Ce-doped FeMo catalysts. Applied Catalysis B: Environmental, 2018, 237, 149-157. | 20.2 | 10 |
| 16 | Rhodium-Biphephos-Catalyzed Tandem Isomerizationâ€"Hydroformylation of Oleonitrile. Catalysts, 2018, 8, 21. | 3.5 | 7 |
| 17 | Insights in the Rhodium-Catalyzed Tandem Isomerization-Hydroformylation of 10-Undecenitrile: Evidence for a Fast Isomerization Regime. Catalysts, 2018, 8, 148. | 3.5 | 4 |
| 18 | Catalytic glycerol hydrogenolysis to 1,3-propanediol in a gasâ€"solid fluidized bed. RSC Advances, 2017, 7, 3853-3860. | 3.6 | 47 |

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|---|---|---|---|
| 19 | Influence of Catalyst Acid/Base Properties in Acrolein Production by Oxidative Coupling of Ethanol and Methanol. ChemSusChem, 2017, 10, 1916-1930. | 6.8 | 19 |
| 20 | Molybdate/Antimonate as Key Metal Oxide Catalysts for Acrolein Ammoxidation to Acrylonitrile. Catalysis Letters, 2017, 147, 2826-2834. | 2.6 | 2 |
| 21 | A Comparative Study of Basic, Amphoteric, and Acidic Catalysts in the Oxidative Coupling of Methanol and Ethanol for Acrolein Production. ChemSusChem, 2017, 10, 3459-3472. | 6.8 | 16 |
| 22 | Gas phase oxidation of 2-methyl-1,3-propanediol to methacrylic acid over heteropolyacid catalysts. Catalysis Science and Technology, 2016, 6, 6525-6535. | 4.1 | 18 |
| 23 | Partial oxidation of 2-methyl-1,3-propanediol to methacrylic acid: experimental and neural network modeling. RSC Advances, 2016, 6, 114123-114134. | 3.6 | 16 |
| 24 | Ammoxidation of acrolein to acrylonitrile over bismuth molybdate catalysts. Applied Catalysis A: General, 2016, 520, 7-12. | 4.3 | 16 |
| 25 | Coke promoters improve acrolein selectivity in the gas-phase dehydration of glycerol to acrolein. Applied Catalysis A: General, 2016, 522, 80-89. | 4.3 | 29 |
| 26 | Reductive Amination of Aldehyde Ester from Vegetable Oils to Produce Amino Ester in the Presence of Anhydrous Ammonia. ChemistrySelect, 2016, 1, 2004-2008. | 1.5 | 4 |
| 27 | Earlyâ€Stage Capital Cost Estimation of Biorefinery Processes: A Comparative Study of Heuristic Techniques. ChemSusChem, 2016, 9, 2284-2297. | 6.8 | 79 |
| 28 | Gas phase dehydration of glycerol to acrolein: Coke on WO3/TiO2 reduces by-products. Journal of Molecular Catalysis A, 2016, 421, 146-155. | 4.8 | 33 |
| 29 | Ruthenium-catalyzed hydroformylation of the functional unsaturated fatty nitrile 10-undecenitrile. Journal of Molecular Catalysis A, 2016, 417, 116-121. | 4.8 | 14 |
| 30 | Cross metathesis of bio-sourced fatty nitriles with acrylonitrile. Monatshefte FÃ¼r Chemie, 2015, 146, 1107-1113. | 1.8 | 17 |
| 31 | Crossâ€metathesis of fatty acid methyl esters with acrolein: An entry to a variety of bifunctional compounds. European Journal of Lipid Science and Technology, 2015, 117, 209-216. | 1.5 | 18 |
| 32 | Rhodium versus Iridium Catalysts in the Controlled Tandem Hydroformylationâ€“Isomerization of Functionalized Unsaturated Fatty Substrates. ChemCatChem, 2015, 7, 513-520. | 3.7 | 20 |
| 33 | Transient acrolein selectivity and carbon deposition study of glycerol dehydration over WO3/TiO2 catalyst. Chemical Engineering Journal, 2015, 270, 557-563. | 12.7 | 48 |
| 34 | Crossâ€Metathesis of Biosourced Fatty Acid Derivatives: A Step Further Toward Improved Reactivity. ChemSusChem, 2015, 8, 1143-1146. | 6.8 | 27 |
| 35 | Ruthenium catalyzed ethenolysis of renewable oleonitrile. European Journal of Lipid Science and Technology, 2014, 116, 1583-1589. | 1.5 | 19 |
| 36 | Highly productive iron molybdate mixed oxides and their relevant catalytic properties for direct synthesis of 1,1-dimethoxymethane from methanol. Applied Catalysis B: Environmental, 2014, 145, 126-135. | 20.2 | 63 |

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|---|---|---|---|
| 37 | Examination of acidâ€“base properties of solid catalysts for gas phase dehydration of glycerol: FTIR and adsorption microcalorimetry studies. Catalysis Today, 2014, 226, 167-175. | 4.4 | 36 |
| 38 | Sustainable route to methyl-9-hydroxononanoate (polymer precursor) by oxidative cleavage of fatty acid methyl ester from rapeseed oil. Green Chemistry, 2014, 16, 96-101. | 9.0 | 31 |
| 39 | Rhodiumâ€Catalyzed Tandem Isomerization/Hydroformylation of the Bioâ€Sourced 10â€Undecenenitrile: Selective and Productive Catalysts for Production of Polyamideâ€12 Precursor. Advanced Synthesis and Catalysis, 2013, 355, 3191-3204. | 4.3 | 31 |
| 40 | Detoxification of castor meal through reactive seed crushing. Industrial Crops and Products, 2013, 43, 194-199. | 5.2 | 19 |
| 41 | Glycerol conversion to acrylonitrile by consecutive dehydration over WO3/TiO2 and ammoxidation over Sb-(Fe,V)-O. Applied Catalysis B: Environmental, 2013, 132-133, 170-182. | 20.2 | 65 |
| 42 | Ammoniation-Dehydration of Fatty Acids into Nitriles: Heterogeneous or Homogeneous Catalysis?. ChemSusChem, 2013, 6, 1478-1489. | 6.8 | 25 |
| 43 | Rhodiumâ€Catalyzed Homogeneous and Aqueous Biphasic Hydroformylation of the Acrolein Acetal 2â€Vinylâ€5â€Methylâ€1,3â€Dioxane. ChemCatChem, 2013, 5, 1562-1569. | 3.7 | 9 |
| 44 | Glycerol dehydration over calcium phosphate catalysts: Effect of acidicâ€“basic features on catalytic performance. Applied Catalysis A: General, 2012, 447-448, 124-134. | 4.3 | 69 |
| 45 | Rutheniumâ€“Benzylidenes and Rutheniumâ€“Indenylidenes as Efficient Catalysts for the Hydrogenation of Aliphatic Nitriles into Primary Amines. ChemCatChem, 2012, 4, 1911-1916. | 3.7 | 46 |
| 46 | Selective oxidation of ethanol towards a highly valuable product over industrial and model catalysts. Biofuels, 2012, 3, 25-34. | 2.4 | 17 |
| 47 | Tandem Catalytic Acrylonitrile Crossâ€Metathesis and Hydrogenation of Nitriles with Ruthenium Catalysts: Direct Access to Linear Î±,Ï‰â€Aminoesters from Renewables. ChemSusChem, 2012, 5, 1410-1414. | 6.8 | 59 |
| 48 | Influence of surface acidâ€“base properties of zirconia and titania based catalysts on the product selectivity in gas phase dehydration of glycerol. Catalysis Communications, 2012, 17, 23-28. | 3.3 | 55 |
| 49 | Electro-oxidation of hydrolysed poly-oxymethylene-dimethylether on PtRu supported catalysts. Electrochimica Acta, 2011, 56, 1460-1465. | 5.2 | 21 |
| 50 | Catalytic Oxidative Dehydration of Glycerol over a Catalyst with Iron Oxide Domains Embedded in an Iron Orthovanadate Phase. ChemSusChem, 2010, 3, 1383-1389. | 6.8 | 48 |
| 51 | Catalytic performance of vanadium pyrophosphate oxides (VPO) in the oxidative dehydration of glycerol. Applied Catalysis A: General, 2010, 376, 25-32. | 4.3 | 133 |
| 52 | Direct conversion of methanol into 1,1-dimethoxymethane: remarkably high productivity over an FeMo catalyst placed under unusual conditions. Green Chemistry, 2010, 12, 1722. | 9.0 | 37 |
| 53 | Catalytic dehydration of glycerol over vanadium phosphate oxides in the presence of molecular oxygen. Journal of Catalysis, 2009, 268, 260-267. | 6.2 | 194 |
| 54 | Renewable materials as precursors of linear nitrile-acid derivatives viacross-metathesis of fatty esters and acids with acrylonitrile and fumaronitrile. Green Chemistry, 2009, 11, 152-155. | 9.0 | 118 |

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| 55 | Amorphous oxide as a novel efficient catalyst for direct selective oxidation of methanol to dimethoxymethane. Chemical Communications, 2008, , 865-867. | 4.1 | 40 |
| 56 | Selective oxidation of hydrocarbons and the global warming problem. Catalysis Today, 2005, 99, 5-14. | 4.4 | 26 |
| 57 | Strategy in achieving propane selective oxidation over multi-functional Mo-based oxide catalysts. Journal of Molecular Catalysis A, 2004, 220, 67-76. | 4.8 | 59 |
| 58 | Synergy between Stable Carbonates and Yttria in Selective Catalytic Oxidation of Methane. Chemistry Letters, 1991, 20, 1089-1092. | 1.3 | 18 |
| 59 | Surface Studies of La203 Based OCM Catalysts by XPS: Does Surface Peroxycarbonate Play an Important Role in Catalyst Selectivity?. Studies in Surface Science and Catalysis, 1991, 61, 107-114. | 1.5 | 2 |
| 60 | X-Ray Photoelectron Spectroscopic Studies of Lanthanum Oxide Based Oxidative Coupling of Methane Catalysts. Chemistry Letters, 1990, 19, 967-970. | 1.3 | 46 |
| 61 | Common features of oxidative coupling of methane cofeed catalysts. Applied Catalysis, 1990, 67, 49-71. | 0.8 | 116 |
| 62 | Oxidative coupling of methane over thoria based catalysts. Applied Catalysis, 1990, 67, 73-79. | 0.8 | 27 |