

Rosa Vitiello

List of Publications by Year in descending order

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34
papers

583
citations

567281

15
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

615
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of preparation methods and structure of niobium oxide-based catalysts in the epoxidation reaction. <i>Catalysis Today</i> , 2015, 254, 99-103.	4.4	39
2	Evaluation of the thermal conductivity of porous silicon layers by an optical pump-probe method. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 1141-1150.	1.8	34
3	Chiral cyclopentadienyl as ligands in homogeneous asymmetric catalysis Part 1. Asymmetric hydrogenation of simple olefins by Ti(IV) complexes. <i>Journal of Molecular Catalysis</i> , 1981, 12, 63-69.	1.2	32
4	Synthesis of Biolubricant Basestocks from Epoxidized Soybean Oil. <i>Catalysts</i> , 2017, 7, 309.	3.5	32
5	Chemical and Technical Aspects of the Synthesis of Chlorohydrins from Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8939-8962.	3.7	31
6	Liquid-Liquid-Solid Model for the Epoxidation of Soybean Oil Catalyzed by Amberlyst-16. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12963-12971.	3.7	31
7	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.	12.7	30
8	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.	6.8	28
9	Glycerol Chlorination in Gas-Liquid Semibatch Reactor: An Alternative Route for Chlorohydrins Production. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 8768-8776.	3.7	27
10	Selective Epoxidation of Soybean Oil in the Presence of γ Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7930-7936.	3.7	23
11	Branched alkyldimethylamine oxide surfactants: An effective strategy for the design of high concentration/low viscosity surfactant formulations. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 448-463.	9.4	22
12	Niobium Based Catalysts for Methyl Oleate Epoxidation Reaction. <i>Topics in Catalysis</i> , 2017, 60, 1054-1061.	2.8	20
13	An Environmentally Friendly Nb-Si Solid Catalyst for Acid-Demanding Reactions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17378-17389.	3.1	20
14	Catalysis for esterification reactions: a key step in the biodiesel production from waste oils. <i>Rendiconti Lincei</i> , 2017, 28, 117-123.	2.2	18
15	Bio-lubricants synthesis from the epoxidized oil promoted by clays: Kinetic modelling. <i>Chemical Engineering Science</i> , 2020, 214, 115445.	3.8	18
16	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.	12.7	17
17	Strategies for immobilizing homogeneous zinc catalysts in biodiesel production. <i>Catalysis Communications</i> , 2014, 56, 81-85.	3.3	16
18	Glycerol chlorination in a gas-liquid semibatch reactor: New catalysts for chlorohydrin production. <i>Chinese Journal of Catalysis</i> , 2014, 35, 663-669.	14.0	16

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19	Selective epoxidation of soybean oil with performic acid catalyzed by acidic ionic exchange resins. <i>Green Processing and Synthesis</i> , 2013, 2, .	3.4	14
20	Catalysts for the Ethoxylation of Esters. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 913-918.	2.1	12
21	Synthesis, Surface Properties, and Self-Aggregation Behavior of a Branched <i>N,N</i> -Dimethylalkylamine Oxide Surfactant. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 115-124.	2.1	12
22	Nonanoic acid esterification with 2-ethylhexanol: From batch to continuous operation. <i>Chemical Engineering Journal</i> , 2022, 444, 136572.	12.7	12
23	Chromatographic reactor modelling. <i>Chemical Engineering Journal</i> , 2019, 377, 119692.	12.7	10
24	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.	1.9	9
25	Niobia supported on silica as a catalyst for Biodiesel production from waste oil. <i>Catalysis for Sustainable Energy</i> , 2015, 2, 33-42.	0.7	8
26	New Production Processes of Dichlorohydrins from Glycerol Using Acyl Chlorides as Catalysts or Reactants. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1484-1490.	3.7	8
27	Hydrophobically Modified Alkali Soluble Emulsion Polymers: Literature Review. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 5-19.	2.1	8
28	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.	3.7	7
29	Production of Sustainable Biochemicals by Means of Esterification Reaction and Heterogeneous Acid Catalysts. <i>ChemEngineering</i> , 2021, 5, 46.	2.4	7
30	Comparison of Different Possible Technologies for Epoxidation of <i>Cynara cardunculus</i> Seed Oil. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 1900100.	1.5	6
31	Effect of tail branching on the phase behavior and the rheological properties of amine oxide/ethoxysulfate surfactant mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126091.	4.7	6
32	Loop reactor modeling for lubricants synthesis. <i>Chemical Engineering Journal</i> , 2017, 329, 295-304.	12.7	5
33	Oleochemistry Products. , 2020, , 201-268.		4
34	Confocal microscopy and imaging profilometry: A new tool aimed to evaluate aesthetic procedures. <i>Journal of Cosmetic and Laser Therapy</i> , 2017, 19, 59-63.	0.9	1