Rosa Vitiello

List of Publications by Year
in descending order

34	583	567281 15	642732 23
papers	citations	h-index	g-index

34	34	34	615
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonanoic acid esterification with 2-ethylhexanol: From batch to continuous operation. Chemical Engineering Journal, 2022, 444, 136572.	12.7	12
2	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. Chemical Engineering Journal, 2021, 408, 127236.	12.7	17
3	Effect of tail branching on the phase behavior and the rheological properties of amine oxide/ethoxysulfate surfactant mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126091.	4.7	6
4	Production of Sustainable Biochemicals by Means of Esterification Reaction and Heterogeneous Acid Catalysts. ChemEngineering, 2021, 5, 46.	2.4	7
5	Comparison of Different Possible Technologies for Epoxidation of Cynara cardunculus Seed Oil. European Journal of Lipid Science and Technology, 2020, 122, 1900100.	1.5	6
6	Bio-lubricants synthesis from the epoxidized oil promoted by clays: Kinetic modelling. Chemical Engineering Science, 2020, 214, 115445.	3.8	18
7	Hydrophobically Modified Alkali Soluble Emulsion Polymers: Literature Review. Journal of Surfactants and Detergents, 2020, 23, 5-19.	2.1	8
8	Oleochemistry Products. , 2020, , 201-268.		4
9	Kinetic study of Amberlite IR120 catalyzed acid esterification of levulinic acid with ethanol: From batch to continuous operation. Chemical Engineering Journal, 2020, 401, 126126.	12.7	30
10	Chromatographic reactor modelling. Chemical Engineering Journal, 2019, 377, 119692.	12.7	10
11	Branched alkyldimethylamine oxide surfactants: An effective strategy for the design of high concentration/low viscosity surfactant formulations. Journal of Colloid and Interface Science, 2019, 552, 448-463.	9.4	22
12	Synthesis, Surface Properties, and Selfâ€Aggregation Behavior of a Branched N,Nâ€Dimethylalkylamine Oxide Surfactant. Journal of Surfactants and Detergents, 2019, 22, 115-124.	2.1	12
13	Validation of the Kinetics of the Hydrogen Peroxide Propene Oxide Process in a Dynamic Continuous Stirred Tank Reactor. Industrial & Engineering Chemistry Research, 2018, 57, 16201-16208.	3.7	7
14	Niobium Based Catalysts for Methyl Oleate Epoxidation Reaction. Topics in Catalysis, 2017, 60, 1054-1061.	2.8	20
15	Liquidâ€“Liquidâ€“Solid Model for the Epoxidation of Soybean Oil Catalyzed by Amberlyst-16. Industrial & Engineering Chemistry Research, 2017, 56, 12963-12971.	3.7	31
16	Confocal microscopy and imaging profilometry: A new tool aimed to evaluate aesthetic procedures. Journal of Cosmetic and Laser Therapy, 2017, 19, 59-63.	0.9	1
17	Loop reactor modeling for lubricants synthesis. Chemical Engineering Journal, 2017, 329, 295-304.	12.7	5
18	A critical review on analytical methods and characterization of butyl and bromobutyl rubber. International Journal of Polymer Analysis and Characterization, 2017, 22, 348-360.	1.9	9

#	Article	IF	Citations
19	An Environmentally Friendly Nbâ€“Pâ€“Si Solid Catalyst for Acid-Demanding Reactions. Journal of Physical Chemistry C, 2017, 121, 17378-17389.	3.1	20
20	Selective Epoxidation of Soybean Oil in the Presence of Hâ€“Y Zeolite. Industrial & Engineering Chemistry Research, 2017, 56, 7930-7936.	3.7	23
21	Catalysis for esterification reactions: a key step in the biodiesel production from waste oils. Rendiconti Lincei, 2017, 28, 117-123.	2.2	18
22	Synthesis of Biolubricant Basestocks from Epoxidized Soybean Oil. Catalysts, 2017, 7, 309.	3.5	32
23	Synthesis of Monoalkyl Glyceryl Ethers by Ring Opening of Glycidol with Alcohols in the Presence of Lewis Acids. ChemSusChem, 2016, 9, 3272-3275.	6.8	28
24	New Production Processes of Dichlorohydrins from Glycerol Using Acyl Chlorides as Catalysts or Reactants. Industrial & Engineering Chemistry Research, 2016, 55, 1484-1490.	3.7	8
25	Niobia supported on silica as a catalyst for Biodiesel production from waste oil. Catalysis for Sustainable Energy, 2015, 2, 33-42.	0.7	8
26	Influence of preparation methods and structure of niobium oxide-based catalysts in the epoxidation reaction. Catalysis Today, 2015, 254, 99-103.	4.4	39
27	Catalysts for the Ethoxylation of Esters. Journal of Surfactants and Detergents, 2015, 18, 913-918.	2.1	12
28	Strategies for immobilizing homogeneous zinc catalysts in biodiesel production. Catalysis Communications, 2014, 56, 81-85.	3.3	16
29	Chemical and Technical Aspects of the Synthesis of Chlorohydrins from Glycerol. Industrial & Engineering Chemistry Research, 2014, 53, 8939-8962.	3.7	31
30	Glycerol chlorination in a gas-liquid semibatch reactor: New catalysts for chlorohydrin production. Chinese Journal of Catalysis, 2014, 35, 663-669.	14.0	16
31	Selective epoxidation of soybean oil with performic acid catalyzed by acidic ionic exchange resins. Green Processing and Synthesis, 2013, 2, .	3.4	14
32	Glycerol Chlorination in Gasâ€“Liquid Semibatch Reactor: An Alternative Route for Chlorohydrins Production. Industrial & Engineering Chemistry Research, 2012, 51, 8768-8776.	3.7	27
33	Evaluation of the thermal conductivity of porous silicon layers by an optical pump-probe method. Journal of Physics Condensed Matter, 2001, 13, 1141-1150.	1.8	34
34	Chiral cyclopentadienyl as ligands in homogeneous asymmetric catalysis Part 1. Asymmetric hydrogenation of simple olefins by Ti(IV) complexes. Journal of Molecular Catalysis, 1981, 12, 63-69.	1.2	32