

Roberto Quintana Solorzano

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

279
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical, Structural, and Morphological Changes of a MoVTeNb Catalyst during Oxidative Dehydrogenation of Ethane. <i>ACS Catalysis</i> , 2014, 4, 1292-1301.	11.2	103
2	Kinetic modeling of the oxidative dehydrogenation of ethane to ethylene over a MoVTeNbO catalytic system. <i>Chemical Engineering Journal</i> , 2014, 252, 75-88.	12.7	66
3	Novel SO _x removal catalysts for the FCC process: Manufacture method, characterization, and pilot-scale testing. <i>Energy and Environmental Science</i> , 2011, 4, 4096.	30.8	24
4	Understanding the kinetic behavior of a MoVTeNb mixed oxide in the oxydehydrogenation of ethane. <i>Fuel</i> , 2014, 138, 15-26.	6.4	24
5	Controlling the redox properties of nickel in NiO/ZrO ₂ catalysts synthesized by sol-gel. <i>Catalysis Science and Technology</i> , 2018, 8, 4070-4082.	4.1	17
6	On the role of oxidation states in the electronic structure via the formation of oxygen vacancies of a doped MoVTeNbO _x in propylene oxidation. <i>Applied Surface Science</i> , 2022, 573, 151428.	6.1	13
7	Discerning the Metal Doping Effect on Surface Redox and Acidic Properties in a MoVTeNbO _x for Propa(e)ne Oxidation. <i>ACS Omega</i> , 2021, 6, 15279-15291.	3.5	10
8	Cyclic Deactivation with Steam of Metallated Cracking Catalysts: Catalytic Testing at the Bench Scale and the Pilot Scale. <i>Topics in Catalysis</i> , 2011, 54, 547-560.	2.8	6
9	On the simultaneous effect of temperature, pressure, water content and space-time on acrylic acid production from propane. <i>Fuel</i> , 2020, 282, 118852.	6.4	6
10	Metal solution precursors: their role during the synthesis of MoVTeNb mixed oxide catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 3123-3132.	4.1	5
11	On the influence of particle shape and process conditions in the pressure drop and hydrodynamics in a wall-effect fixed bed. <i>Chemical Engineering Communications</i> , 2018, 205, 1323-1341.	2.6	4
12	Manufacture Process Scale-Up and Industrial Testing of Novel Catalysts for SO _x -Emissions Control in FCC Units. <i>Catalysis Letters</i> , 2019, 149, 272-282.	2.6	1