

Tomas Viveros-García

List of Publications by Year in descending order

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35
papers

723
citations

471509

17
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	New perspectives for green and sustainable chemistry and engineering: Approaches from sustainable resource and energy use, management, and transformation. <i>Journal of Cleaner Production</i> , 2018, 172, 227-232.	9.3	72
2	Nickel on TiO ₂ -modified Al ₂ O ₃ sol-gel oxides. <i>Applied Catalysis A: General</i> , 2003, 253, 151-163.	4.3	60
3	On the effects of the sol-gel synthesis parameters on textural and structural characteristics of TiO ₂ . <i>Catalysis Letters</i> , 1992, 15, 207-217.	2.6	59
4	An integrated reactive distillation process for biodiesel production. <i>Computers and Chemical Engineering</i> , 2016, 91, 233-246.	3.8	46
5	Cobalt oxide films grown by a dipping sol-gel process. <i>Thin Solid Films</i> , 1999, 346, 138-144.	1.8	39
6	Synthesis and characterization of MTiO ₃ (M = Mg, Ca, Sr, Ba) sol-gel. <i>Journal of Materials Chemistry</i> , 1995, 5, 509.	6.7	38
7	One pot synthesis of menthol from (±)-citronellal on nickel sulfated zirconia catalysts. <i>Catalysis Today</i> , 2011, 172, 21-26.	4.4	37
8	Influence of the Synthesis Additive on the Textural and Structural Characteristics of Sol-gel Al ₂ O ₃ -TiO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 666-672.	3.7	35
9	Electronic binding of sulfur sites into Al ₂ O ₃ -ZrO ₂ supports for NiMoS configuration and their application for Hydrodesulfurization. <i>Catalysis Today</i> , 2017, 282, 230-239.	4.4	34
10	Conceptual design of a reactive distillation process for ultra-low sulfur diesel production. <i>Chemical Engineering Journal</i> , 2005, 106, 119-131.	12.7	33
11	The effect of temperature on the structural and textural evolution of sol-gel Al ₂ O ₃ -TiO ₂ mixed oxides. <i>Journal of Materials Chemistry</i> , 2001, 11, 944-950.	6.7	29
12	Synthesis and Characterization of Titania-Based Ternary and Binary Mixed Oxides Prepared by the Sol-gel Method and Their Activity in 2-Propanol Dehydration. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1138-1147.	3.7	27
13	Effect of the acid-base properties of the support on the performance of Pt catalysts in the partial hydrogenation of citral. <i>Catalysis Today</i> , 2013, 213, 101-108.	4.4	26
14	A reactive distillation process for co-hydrotreating of non-edible vegetable oils and petro-diesel blends to produce green diesel fuel. <i>Computers and Chemical Engineering</i> , 2017, 105, 105-122.	3.8	25
15	Physical characterization of TiO ₂ and Al ₂ O ₃ prepared by precipitation and sol-gel methods. <i>Catalysis Today</i> , 1992, 14, 243-252.	4.4	21
16	Promoting behavior of yttrium over nickel supported on alumina-yttria catalysts in the ethanol steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9332-9343.	7.1	20
17	Influence of the Synthesis Method on the Properties of Ceria-Doped Alumina. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 49-56.	2.4	19
18	Cyclohexane Dehydrogenation over Wet-Impregnated Ni on Al ₂ O ₃ -TiO ₂ Sol-gel Oxides. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5693-5700.	3.7	18

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19	Acidic properties of Si- and Al- promoted TiO ₂ catalysts: Effect on 2-propanol dehydration activity. <i>Catalysis Today</i> , 2018, 305, 182-191.	4.4	18
20	Thermodynamic analysis of a reactive distillation process for deep hydrodesulfurization of diesel: Effect of the solvent and operating conditions. <i>Chemical Engineering Journal</i> , 2008, 143, 210-219.	12.7	16
21	Compensation in the isopropyl alcohol dehydration over sol-gel Al ₂ O ₃ -TiO ₂ oxides: Effect of calcining temperature. <i>Fuel</i> , 2015, 149, 109-117.	6.4	10
22	An Intensified Reactive Separation Process for Bio-Jet Diesel Production. <i>Processes</i> , 2019, 7, 655.	2.8	10
23	New perspectives for sustainable resource and energy use, management and transformation: approaches from green and sustainable chemistry and engineering. <i>Journal of Cleaner Production</i> , 2016, 118, 1-3.	9.3	9
24	Alumina support modified by Zr and Ti. Synthesis and characterization. <i>Studies in Surface Science and Catalysis</i> , 1995, 91, 807-815.	1.5	4
25	Determination of reactive critical points of kinetically controlled reacting mixtures. <i>Chemical Engineering Journal</i> , 2012, 189-190, 303-313.	12.7	4
26	A Computational Platform for Simulation, Design and Analysis of a Poly(Lactic) Acid Production Process From Different Lignocellulosic Raw Materials. <i>Computer Aided Chemical Engineering</i> , 2015, 37, 1187-1192.	0.5	4
27	Mössbauer study of supported Pt-Sn. <i>Molecular Physics</i> , 2002, 100, 3173-3175.	1.7	3
28	Synthesis, characterization and catalytic properties of La _{2-x} Sr _x NiO ₄ . <i>Catalysis Letters</i> , 1992, 15, 199-206.	2.6	2
29	Design of a Reactive Distillation Process for Ultra-Low Sulfur Diesel Production. <i>Computer Aided Chemical Engineering</i> , 2002, 10, 301-306.	0.5	2
30	Hydrogenation and dehydrogenation of hydrocarbons over Ni supported on alumina-and silica-promoted titania. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 2501-2506.	1.5	1
31	A Systematic Approach for the Hydrotreating of Biodiesel and Petroleum-Diesel Blends. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1756-1761.	0.5	1
32	An Integrated Reactive Separation Process for Co-Hydrotreating of Vegetable Oils and Gasoil to Produce Jet Diesel. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 839-844.	0.5	1
33	An Integrated Reactive Distillation Process for Biodiesel Production. <i>Computer Aided Chemical Engineering</i> , 2015, 37, 1013-1018.	0.5	0
34	A Supercritical Reactive Separation Process to Obtain Biopesticides (phorbol-esters) in the Biodiesel Production from <i>Jatropha curcas</i> Oil. <i>Computer Aided Chemical Engineering</i> , 2016, , 1821-1826.	0.5	0
35	Preparation and Intercalation of Fluorescein in a Reconstructed Zinc/Aluminum Layer Double Hydroxide (LDH). <i>MRS Advances</i> , 2017, 2, 3805-3813.	0.9	0