Silvia R GonzÃ¡lez

List of Publications by Year
in descending order

39 papers	534 citations	687363 13 h-index	713466 21 g-index
39 all docs	39 docs citations	39 times ranked	596 citing authors

#	Article	IF	Citations
1	Propane oxidative dehydrogenation over V-containing mixed oxides derived from decavanadate-exchanged ZnAlâ€“layered double hydroxides prepared by a solâ€“gel method. Comptes Rendus Chimie, 2018, 21, 210-220.	0.5	10
2	Supported Rh nanoparticles on CaOâ€“SiO2 binary systems for the reforming of methane by carbon dioxide in membrane reactors. Applied Catalysis A: General, 2014, 474, 114-124.	4.3	24
3	Significant catalytic recovery of spent industrial DuPont catalysts by surface deposition of an amorphous vanadium-phosphorus oxide phase. Catalysis Today, 2013, 203, 48-52.	4.4	9
4	Further on the influence of the presence of small amount of N2O in the reactant feed in the catalytic oxidation of methane over supported Rh catalysts. Catalysis Today, 2013, 213, 155-162.	4.4	2
5	Effect of the nature of TiO2 support over the performances of Rh/TiO2 catalysts in the partial oxidation of methane. Catalysis Today, 2013, 203, 158-162.	4.4	32
6	Improving selectivity by the addition of N2O in the feed during partial oxidation of methane over supported rhodium catalysts. Catalysis Today, 2013, 203, 176-181.	4.4	4
7	Influence of the products of the partial oxidation of methane (POM) on the catalytic performances of Rh/Ti-modified support catalysts. Applied Catalysis A: General, 2011, 394, 245-256.	4.3	12
8	Influence of H2, CO and CO2 co-feeding on the catalytic activity of Rh/Tiâ€“SiO2 during the partial oxidation of methane. Catalysis Today, 2010, 149, 254-259.	4.4	11
9	Oxidative dehydrogenation of propane on Mg-V-Al mixed oxides. Applied Catalysis A: General, 2008, 342, 93-98.	4.3	30
10	Influence of the active phase structure Bi-Mo-Ti-O in the selective oxidation of propene. Catalysis Today, 2006, 112, 121-125.	4.4	8
11	Influence of the solid state properties of Pd/MOx (M=Ti, Al) catalysts in catalytic combustion of methane. Catalysis Today, 2006, 112, 161-164.	4.4	4
12	Surface modifications of Î³-Al2O3, SiO2 and SnO2 supports by titania grafting and their influence in the catalytic combustion of methane. Catalysis Today, 2006, 112, 107-111.	4.4	10
13	Modulation of selective sites by introduction of N2O, CO2 and H2 as gaseous promoters into the feed during oxidation reactions. Catalysis Today, 2005, 99, 217-226.	4.4	20
14	Role of the mutual contamination in the synergetic effects between MoO3 and SnO2. Thermochimica Acta, 2002, 388, 27-40.	2.7	14
15	A FT-IR Study of the Reactivity of Tungsta-Supported Catalysts toward Butan-2-ol. Langmuir, 2001, 17, 6968-6973.	3.5	12
16	Influence of Fine Structural Characteristics of VPO Catalysts on the Formation of Maleic and Phthalic Anhydrides in the Oxidation of n-Pentane. Journal of Catalysis, 1999, 185, 272-285.	6.2	13
17	A Laser Raman Study of Multiphase Co-Bi-Mo Oxide Catalysts. Spectroscopy Letters, 1998, 31, 1299-1311.	1.0	0
18	Solid state reaction in Mg-V-O-Sb catalysts. Solid State Ionics, 1997, 101-103, 737-742.	2.7	3

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19	Catalytic Synergy in the Oxidative Dehydrogenation of Propane over MgVO Catalysts. Journal of Catalysis, 1996, 158, 452-476.	6.2	73
20	An FT-IR spectroscopy study of the adsorption and oxidation of propene on multiphase Bi, Mo and Co catalysts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1996, 52, 1107-1118.	3.9	37
21	Selective oxidation of isobutene to methacrolein on multiphasic molybdate-based catalysts. Applied Catalysis A: General, 1996, 135, 95-123.	4.3	25
22	Synergetic effects in multiphase catalysts: the role of FeSbO4 as donorâ€"acceptor of spillover oxygen. Catalysis Today, 1996, 32, 311-319.	4.4	22
23	The effect of the preparation method on the nature and dispersion of surface species formed upon reaction of molybdenum trioxide with alumina and titania. Journal of Materials Science, 1996, 31, 1561-1567.	3.7	9
24	A laser Raman spectroscopy study of molybdenum oxide supported on alumina and titania. Spectrochimica Acta Part A: Molecular Spectroscopy, 1994, 50, 2215-2221.	0.1	15
25	A FTIR assessment of surface acidity and dispersion of surface species in titania and alumina-supported molybdena. Spectrochimica Acta Part A: Molecular Spectroscopy, 1994, 50, 697-702.	0.1	7
26	Solid-state reaction between molybdena and alumina: effect of water vapour pressure on the dispersion and nature of the supported phases. Journal of Materials Chemistry, 1994, 4, 47-50.	6.7	1
27	Surface Species Formed upon Supporting Molybdena on Alumina by Mechanically Mixing Both Oxides. Journal of Catalysis, 1993, 141, 48-57.	6.2	30
28	Surface vanadia species in V2O5-TiO2 systems prepared by mechanically mixing: A Fourier transform infrared spectroscopy study. Vibrational Spectroscopy, 1993, 5, 295-302.	2.2	2
29	Surface dispersion of molybdena supported on silica, alumina and titania. Journal of Materials Chemistry, 1993, 3, 1313-1318.	6.7	15
30	A Laser Raman Spectroscopy Study of Surface Species Existing in MoO3/A12O3Catalysts. Spectroscopy Letters, 1992, 25, 73-82.	1.0	5
31	Dispersion and reactivity of molybdena on the surface of alumina. Materials Chemistry and Physics, 1992, 31, 205-211.	4.0	7
32	An FT-IR spectroscopy and X-ray diffraction characterization of (Anatase and Rutile) mechanical mixtures. Materials Chemistry and Physics, 1991, 28, 227-235.	4.0	3
33	Rotational spectrum of 1-nitrocyclohexene. Journal of Molecular Spectroscopy, 1989, 133, 413-422.	1.2	8
34	Torsional frequency, barrier to internal rotation of 4-nitropyridine from microwave spectra. Journal of Molecular Structure, 1989, 213, 77-82.	3.6	9
35	Microwave spectrum of 4-fluorobenzaldehyde. Journal of Molecular Structure, 1988, 190, 79-84.	3.6	10
36	Attenuated total-reflectance spectra of strongly absorbing anisotropic single crystals: Trigonal Î±-quartz. Physical Review B, 1988, 38, 8437-8443.	3.2	6

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37	Infrared optical properties and vibrational behavior of anisotropic crystals: Orthorhombic Ba[Fe(CN)5NO]â‹…3H2O. Physical Review B, 1987, 36, 3125-3134.	3.2	13
38	Infrared spectra of nitroprusside ion and its decomposition products isolated in K3[M(CN)6] (M = Fe,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.6	7
39	Transition dipole-dipole coupling between the NO stretching vibrations of nitroprusside ions in Sr[Fe(CN)5N(16O,18O)]â‹… 4H2O and Ba[Fe(CN)5N(16O,18O)]â‹…3H2O isotopic mixtures. Physical Review B, 1986, 33, 5818-5824.	3.2	12