Juan J Bravo-Suarez

List of Publications by Year
in descending order

32	2,043	236925 25	414414 32
papers	citations	h-index	g-index

34	34	34	2140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ UVâ€“vis plasmon resonance spectroscopic assessment of oxygen and hydrogen adsorption location on supported gold catalysts. Molecular Catalysis, 2021, 507, 111572.	2.0	6
2	The nature of the active sites of Pdâ€“Ga catalysts in the hydrogenation of CO₂ to methanol. Catalysis Science and Technology, 2020, 10, 6644-6658.	4.1	21
3	Design, modelling, and application of a low void-volume in situ diffuse reflectance spectroscopic reaction cell for transient catalytic studies. Reaction Chemistry and Engineering, 2019, 4, 667-678.	3.7	18
4	Enhanced ethanol dehydration on Î³-Al2O3 supported cobalt catalyst. Journal of Catalysis, 2019, 373, 276-296.	6.2	25
5	Application of modulation excitation-phase sensitive detection-DRIFTS for in situ/operando characterization of heterogeneous catalysts. Reaction Chemistry and Engineering, 2019, 4, 862-883.	3.7	27
6	Recyclable Au/SiO₂-Shell/Fe₃O₄-Core Catalyst for the Reduction of Nitro Aromatic Compounds in Aqueous Solution. ACS Omega, 2019, 4, 4071-4081.	3.5	54
7	Ketonization of oxygenated hydrocarbons on metal oxide based catalysts. Catalysis Today, 2018, 302, 16-49.	4.4	65
8	Modified Harrick reaction cell for in situ/operando fiber optics diffuse reflectance UVâ€“visible spectroscopic characterization of catalysts. Applied Catalysis A: General, 2018, 561, 7-18.	4.3	15
9	Thermal Cracking and Catalytic Hydrocracking of a Colombian Vacuum Residue and Its Maltenes and Asphaltenes Fractions in Toluene. Energy & Fuels, 2017, 31, 3868-3877.	5.1	31
10	Design characteristics ofin situand operando ultraviolet-visible and vibrational spectroscopic reaction cells for heterogeneous catalysis. Catalysis Reviews - Science and Engineering, 2017, 59, 295-445.	12.9	27
11	Catalytic consequences of Ga promotion on Cu for CO₂ hydrogenation to methanol. Catalysis Science and Technology, 2017, 7, 3375-3387.	4.1	68
12	Special Issue in Honor of Professor S. Ted Oyama: 2014 ACS Distinguished Researcher Award in Petroleum Chemistry and Storch Award in Fuel Science. Topics in Catalysis, 2015, 58, 191-193.	2.8	0
13	Vapor-phase methanol and ethanol coupling reactions on CuMgAl mixed metal oxides. Applied Catalysis A: General, 2013, 455, 234-246.	4.3	51
14	Design of Heterogeneous Catalysts for Fuels and Chemicals Processing: An Overview. ACS Symposium Series, 2013, , 3-68.	0.5	36
15	Ultravioletâ€“Visible Spectroscopy and Temperature-Programmed Techniques as Tools for Structural Characterization of Cu in CuMgAlOxMixed Metal Oxides. Journal of Physical Chemistry C, 2012, 116, 18207-18221.	3.1	43
16	Activity of silylated titanosilicate supported gold nanoparticles towards direct propylene epoxidation reaction in the presence of trimethylamine. Journal of Molecular Catalysis A, 2012, 359, 21-27.	4.8	39
17	Effect of composition and promoters in Au/TS-1 catalysts for direct propylene epoxidation using H2 and O2. Catalysis Today, 2009, 147, 186-195.	4.4	95
18	Oxidation of propane to propylene oxide on gold catalysts. Journal of Catalysis, 2008, 255, 114-126.	6.2	67

#	Article	IF	Citations
19	Mechanistic study of propane selective oxidation with H2 and O2 on Au/TS-1. Journal of Catalysis, 2008, 257, 32-42.	6.2	46
20	Transient Technique for Identification of True Reaction Intermediates:â€‰ Hydroperoxide Species in Propylene Epoxidation on Gold/Titanosilicate Catalysts by X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 1115-1123.	3.1	177
21	Kinetic Study of Propylene Epoxidation with H₂ and O₂ over a Gold/Mesoporous Titanosilicate Catalyst. Journal of Physical Chemistry C, 2007, 111, 17427-17436.	3.1	35
22	Gas-phase epoxidation of propylene through radicals generated by silica-supported molybdenum oxide. Applied Catalysis A: General, 2007, 316, 142-151.	4.3	56
23	Kinetics of propylene epoxidation using H2 and O2 over a gold/mesoporous titanosilicate catalyst. Catalysis Today, 2007, 123, 189-197.	4.4	75
24	Direct propylene epoxidation over barium-promoted Au/Ti-TUD catalysts with H2 and O2: Effect of Au particle size. Journal of Catalysis, 2007, 250, 350-359.	6.2	132
25	In Situ UVâ˜vis and EPR Study on the Formation of Hydroperoxide Species during Direct Gas Phase Propylene Epoxidation over Au/Ti-SiO2Catalyst. Journal of Physical Chemistry B, 2006, 110, 22995-22999.	2.6	140
26	Direct propylene epoxidation over modified Ag/CaCO3 catalysts. Applied Catalysis A: General, 2006, 302, 283-295.	4.3	106
27	Gas-phase radical generation by Ti oxide clusters supported on silica: application to the direct epoxidation of propylene to propylene oxide using molecular oxygen as an oxidant. Catalysis Letters, 2006, 110, 47-51.	2.6	23
28	Trimethylamine as a Gas-Phase Promoter: Highly Efficient Epoxidation of Propylene over Supported Gold Catalysts. Angewandte Chemie - International Edition, 2006, 45, 412-415.	13.8	196
29	In situ UVâ€“vis studies of the effect of particle size on the epoxidation of ethylene and propylene on supported silver catalysts with molecular oxygen. Journal of Catalysis, 2005, 232, 85-95.	6.2	162
30	Microtextural properties of layered double hydroxides: a theoretical and structural model. Microporous and Mesoporous Materials, 2004, 67, 1-17.	4.4	28
31	Intercalation of Decamolybdodicobaltate(III) Anion in Layered Double Hydroxides. Chemistry of Materials, 2004, 16, 1214-1225.	6.7	25
32	Review of the synthesis of layered double hydroxides: a thermodynamic approach. Quimica Nova, 2004, 27, 601.	0.3	118