

Juan J Bravo-Suarez

List of Publications by Year in descending order

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32
papers

2,043
citations

236925

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414414

32
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34
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docs citations

34
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Trimethylamine as a Gas-Phase Promoter: Highly Efficient Epoxidation of Propylene over Supported Gold Catalysts. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 412-415.	13.8	196
2	Transient Technique for Identification of True Reaction Intermediates: Hydroperoxide Species in Propylene Epoxidation on Gold/Titanosilicate Catalysts by X-ray Absorption Fine Structure Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1115-1123.	3.1	177
3	In situ UV-vis studies of the effect of particle size on the epoxidation of ethylene and propylene on supported silver catalysts with molecular oxygen. <i>Journal of Catalysis</i> , 2005, 232, 85-95.	6.2	162
4	In Situ UV-vis and EPR Study on the Formation of Hydroperoxide Species during Direct Gas Phase Propylene Epoxidation over Au/Ti-SiO ₂ Catalyst. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22995-22999.	2.6	140
5	Direct propylene epoxidation over barium-promoted Au/Ti-TUD catalysts with H ₂ and O ₂ : Effect of Au particle size. <i>Journal of Catalysis</i> , 2007, 250, 350-359.	6.2	132
6	Review of the synthesis of layered double hydroxides: a thermodynamic approach. <i>Quimica Nova</i> , 2004, 27, 601.	0.3	118
7	Direct propylene epoxidation over modified Ag/CaCO ₃ catalysts. <i>Applied Catalysis A: General</i> , 2006, 302, 283-295.	4.3	106
8	Effect of composition and promoters in Au/TS-1 catalysts for direct propylene epoxidation using H ₂ and O ₂ . <i>Catalysis Today</i> , 2009, 147, 186-195.	4.4	95
9	Kinetics of propylene epoxidation using H ₂ and O ₂ over a gold/mesoporous titanosilicate catalyst. <i>Catalysis Today</i> , 2007, 123, 189-197.	4.4	75
10	Catalytic consequences of Ga promotion on Cu for CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2017, 7, 3375-3387.	4.1	68
11	Oxidation of propane to propylene oxide on gold catalysts. <i>Journal of Catalysis</i> , 2008, 255, 114-126.	6.2	67
12	Ketonization of oxygenated hydrocarbons on metal oxide based catalysts. <i>Catalysis Today</i> , 2018, 302, 16-49.	4.4	65
13	Gas-phase epoxidation of propylene through radicals generated by silica-supported molybdenum oxide. <i>Applied Catalysis A: General</i> , 2007, 316, 142-151.	4.3	56
14	Recyclable Au/SiO ₂ -Shell/Fe ₃ O ₄ -Core Catalyst for the Reduction of Nitro Aromatic Compounds in Aqueous Solution. <i>ACS Omega</i> , 2019, 4, 4071-4081.	3.5	54
15	Vapor-phase methanol and ethanol coupling reactions on CuMgAl mixed metal oxides. <i>Applied Catalysis A: General</i> , 2013, 455, 234-246.	4.3	51
16	Mechanistic study of propane selective oxidation with H ₂ and O ₂ on Au/TS-1. <i>Journal of Catalysis</i> , 2008, 257, 32-42.	6.2	46
17	Ultraviolet-Visible Spectroscopy and Temperature-Programmed Techniques as Tools for Structural Characterization of Cu in CuMgAlO _x Mixed Metal Oxides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18207-18221.	3.1	43
18	Activity of silylated titanosilicate supported gold nanoparticles towards direct propylene epoxidation reaction in the presence of trimethylamine. <i>Journal of Molecular Catalysis A</i> , 2012, 359, 21-27.	4.8	39

#	ARTICLE	IF	CITATIONS
19	Design of Heterogeneous Catalysts for Fuels and Chemicals Processing: An Overview. ACS Symposium Series, 2013, , 3-68.	0.5	36
20	Kinetic Study of Propylene Epoxidation with H ₂ and O ₂ over a Gold/Mesoporous Titanosilicate Catalyst. Journal of Physical Chemistry C, 2007, 111, 17427-17436.	3.1	35
21	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
22	Microtextural properties of layered double hydroxides: a theoretical and structural model. Microporous and Mesoporous Materials, 2004, 67, 1-17.	4.4	28
23	Design characteristics of <i>in situ</i> and operando ultraviolet-visible and vibrational spectroscopic reaction cells for heterogeneous catalysis. Catalysis Reviews - Science and Engineering, 2017, 59, 295-445.	12.9	27
24	Application of modulation excitation-phase sensitive detection-DRIFTS for <i>in situ</i> /operando characterization of heterogeneous catalysts. Reaction Chemistry and Engineering, 2019, 4, 862-883.	3.7	27
25	Intercalation of Decamolybdodicobaltate(III) Anion in Layered Double Hydroxides. Chemistry of Materials, 2004, 16, 1214-1225.	6.7	25
26	Enhanced ethanol dehydration on ¹³ Al ₂ O ₃ supported cobalt catalyst. Journal of Catalysis, 2019, 373, 276-296.	6.2	25
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	The nature of the active sites of Pd-Ga catalysts in the hydrogenation of CO ₂ to methanol. Catalysis Science and Technology, 2020, 10, 6644-6658.	4.1	21
29	Design, modelling, and application of a low void-volume <i>in situ</i> diffuse reflectance spectroscopic reaction cell for transient catalytic studies. Reaction Chemistry and Engineering, 2019, 4, 667-678.	3.7	18
30	Modified Harrick reaction cell for <i>in situ</i> /operando fiber optics diffuse reflectance UV-visible spectroscopic characterization of catalysts. Applied Catalysis A: General, 2018, 561, 7-18.	4.3	15
31	<i>In situ</i> UV-vis plasmon resonance spectroscopic assessment of oxygen and hydrogen adsorption location on supported gold catalysts. Molecular Catalysis, 2021, 507, 111572.	2.0	6
32	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