Jesus E Sueiras

List of Publications by Year
in descending order

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44 papers	1,647 citations	304743 22 h-index	289244 40 g-index
44 all docs	44 docs citations	44 times ranked	2021 citing authors

#	Article	IF	Citations
1	New tuneable catalytic membrane reactor for various reactions in aqueous media. ChemistrySelect, 2016, 1, 124-126.	1.5	2
2	Synthesis and characterization of poly-l-leucine initialized and immobilized by rehydrated hydrotalcite: understanding stability and the nature of interaction. Physical Chemistry Chemical Physics, 2013, 15, 15645.	2.8	10
3	Biohydrogen production by dark fermentation of glycerol using Enterobacter and Citrobacter Sp. Biotechnology Progress, 2013, 29, 31-38.	2.6	31
4	Asymmetric epoxidation of chalcone catalyzed by reusable poly-l-leucine immobilized on hydrotalcite. Journal of Catalysis, 2011, 282, 65-73.	6.2	17
5	Novel nanohybrid materials based on l-leucine on hydrotalcite clays: Asymmetric epoxidation reaction of chalcona. Catalysis Today, 2011, 172, 48-52.	4.4	4
6	Hydrogen substitutes for the in situ generation of H2O2: An application in the Fenton reaction. Journal of Hazardous Materials, 2011, 192, 340-6.	12.4	22
7	1,5,7-Triazabicyclo[4.4.0]dec-5-ene (TBD) an efficient homogeneous catalyst for aldol condensation reactions. Study of the catalyst recovery and reusability using CO2. Tetrahedron Letters, 2011, 52, 385-387.	1.4	18
8	Effect of support and second metal in catalytic in-situ generation of hydrogen peroxide by Pd-supported catalysts: application in the removal of organic pollutants by means of the Fenton process. Water Science and Technology, 2011, 63, 2017-2024.	2.5	6
9	Enhanced use of renewable resources: Transesterification of glycerol catalyzed by hydrotalcite-like compounds. Chemical Engineering Journal, 2010, 161, 340-345.	12.7	107
10	Highly basic catalysts obtained by intercalation of La-containing anionic complexes in layered double hydroxides. Applied Catalysis A: General, 2010, 382, 272-276.	4.3	31
11	Microwave-assisted synthesis of saponite. Applied Clay Science, 2010, 48, 26-31.	5.2	47
12	New synthesis route of hydrocalumite-type materials and their application as basic catalysts for aldol condensation. Applied Clay Science, 2010, 50, 498-502.	5.2	24
13	Simultaneous in situ generation of hydrogen peroxide and Fenton reaction over Pdâ€“Fe catalysts. Physical Chemistry Chemical Physics, 2010, 12, 14673.	2.8	27
14	Effect of microwaves in the dealumination of mordenite on its surface and acidic properties. Microporous and Mesoporous Materials, 2009, 118, 341-347.	4.4	38
15	Acidity properties of Ni-exchanged mordenites prepared with and without microwaves. Applied Catalysis A: General, 2009, 368, 163-169.	4.3	25
16	Fast microwave synthesis of hectorite. Applied Clay Science, 2009, 43, 103-107.	5.2	40
17	Control of the Basicity in Niâ€“MgO Systems: Influence in the Hydrogenation of Styrene Oxide. Catalysis Letters, 2008, 122, 259-266.	2.6	7
18	Adsorption of Carbon Dioxide in Several Aged Hydrotalcites and Calcined Hydrotalcites: Influence of Microwave Irradiation during the Ageing Step on Their Basic Properties. Adsorption Science and Technology, 2007, 25, 143-154.	3.2	7

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19	Effective catalysts, prepared from several hydrotalcites aged with and without microwaves, for the clean obtention of 2-phenylethanol. Applied Catalysis A: General, 2007, 331, 19-25.	4.3	14
20	Microwave effect during aging on the porosity and basic properties of hydrotalcites. Microporous and Mesoporous Materials, 2007, 101, 363-373.	4.4	60
21	Hydrogenation of styrene oxide in the presence of supported platinum catalysts to produce 2-phenylethanol. Journal of Molecular Catalysis A, 2007, 261, 98-103.	4.8	21
22	Synthesis, characterization and catalytic activity of metal nanoparticles in the selective oxidation of olefins in the gas phase. Journal of Experimental Nanoscience, 2006, 1, 399-418.	2.4	8
23	Synthesis of silver-gold alloy nanoparticles by a phase-transfer system. Journal of Materials Research, 2006, 21, 105-111.	2.6	43
24	Aldol Condensations Over Reconstructed Mg-Al Hydrotalcites: Structure-Activity Relationships Related to the Rehydration Method. Chemistry - A European Journal, 2005, 11, 728-739.	3.3	215
25	Nanoplatelet-based reconstructed hydrotalcites: towards more efficient solid base catalysts in aldol condensations. Chemical Communications, 2005, , 1453-1455.	4.1	82
26	Evolution of several Ni and Niâ€“MgO catalysts during the hydrogenation reaction of adiponitrile. Applied Catalysis A: General, 2004, 272, 353-362.	4.3	20
27	High-selective Ni-MgO catalysts for a clean obtention of 2-phenylethanol. Applied Catalysis A: General, 2004, 272, 125-132.	4.3	15
28	Design of NiOâ€“MgO materials with different properties. Physical Chemistry Chemical Physics, 2004, 6, 858-864.	2.8	21
29	Effects of Oxygen Partial Pressure and Annealing Temperature on the Formation of Sputtered Tungsten Oxide Films. Journal of the Electrochemical Society, 2002, 149, H81.	2.9	43
30	Quantitative analysis of NO2 in the presence of CO using a single tungsten oxide semiconductor sensor and dynamic signal processingElectronic Supplementary Information (ESI) available: NIPALS algorithm, the PLS algorithm for one C variable, backpropagation learning algorithm, RBF network training algorithm, ART1 and Fuzzy ART mathematical models. See http://www.rsc.org/suppdata/an/b2/b205009a/. Analyst, The, 2002, 127, 1237-1246.	3.5	54
31	Nickelâ€“Magnesia Catalysts: An Alternative for the Hydrogenation of 1,6-Hexanedinitrile. Journal of Catalysis, 2002, 209, 202-209.	6.2	23
32	A New Route to the Synthesis of Fine-Grain Gibbsite. Chemistry of Materials, 2001, 13, 2595-2600.	6.7	20
33	Nickel and Nickelâ€“Magnesia Catalysts Active in the Hydrogenation of 1,4-Butanedinitrile. Journal of Catalysis, 2001, 197, 210-219.	6.2	21
34	Studies on the Characterization of Several Iridiumâ€“ and Rhodiumâ€“clay Catalysts and Their Activity in Imine Hydrogenation. Journal of Catalysis, 2001, 201, 70-79.	6.2	21
35	Coking and Ex Situ Catalyst Reactivation Using Supercritical CO2:â€‰ A Preliminary Study. Industrial & Engineering Chemistry Research, 2000, 39, 3666-3670.	3.7	13
36	Fabrication of Highly Selective Tungsten Oxide Ammonia Sensors. Journal of the Electrochemical Society, 2000, 147, 776.	2.9	140

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37	Preparation and Characterization of Different Phases of Aluminum Trifluoride. Chemistry of Materials, 2000, 12, 1148-1155.	6.7	39
38	Several Factors Affecting Faster Rates of Gibbsite Formation. Chemistry of Materials, 1999, 11, 123-129.	6.7	43
39	Conductance-transient analysis of thick-film tin oxide gas sensors under successive gas-injection steps. Measurement Science and Technology, 1997, 8, 1133-1138.	2.6	11
40	Qualitative and quantitative analysis of volatile organic compounds using transient and steady-state responses of a thick-film tin oxide gas sensor array. Sensors and Actuators B: Chemical, 1997, 41, 13-21.	7.8	169
41	Analysis of the conductance transient in thick-film tin oxide gas sensors. Sensors and Actuators B: Chemical, 1996, 31, 175-180.	7.8	63
42	Methanol oxidation on semiconducting oxides. Reaction Kinetics and Catalysis Letters, 1993, 51, 119-124.	0.6	1
43	Structural and catalytic properties of several potassium-doped nickel/Î±-alumina solids. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3981-3986.	1.7	20
44	Hexagonal orthovanadates as catalysts in the oxidation of methanol to formaldehyde. Journal of the Chemical Society Chemical Communications, 1988, , 1084.	2.0	4