

Jesus E Sueiras

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4339252/publications.pdf>

Version: 2024-02-01

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	Aldol Condensations Over Reconstructed Mg-Al Hydrotalcites: Structure-Activity Relationships Related to the Rehydration Method. <i>Chemistry - A European Journal</i> , 2005, 11, 728-739.	3.3	215
2	Qualitative and quantitative analysis of volatile organic compounds using transient and steady-state responses of a thick-film tin oxide gas sensor array. <i>Sensors and Actuators B: Chemical</i> , 1997, 41, 13-21.	7.8	169
3	Fabrication of Highly Selective Tungsten Oxide Ammonia Sensors. <i>Journal of the Electrochemical Society</i> , 2000, 147, 776.	2.9	140
4	Enhanced use of renewable resources: Transesterification of glycerol catalyzed by hydrotalcite-like compounds. <i>Chemical Engineering Journal</i> , 2010, 161, 340-345.	12.7	107
5	Nanoplatelet-based reconstructed hydrotalcites: towards more efficient solid base catalysts in aldol condensations. <i>Chemical Communications</i> , 2005, , 1453-1455.	4.1	82
6	Analysis of the conductance transient in thick-film tin oxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1996, 31, 175-180.	7.8	63
7	Microwave effect during aging on the porosity and basic properties of hydrotalcites. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 363-373.	4.4	60
8	Quantitative analysis of NO ₂ in the presence of CO using a single tungsten oxide semiconductor sensor and dynamic signal processing. Electronic 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/ . <i>Analyst</i> , The, 2002, 127, 1237-1246.	3.5	54
9	Microwave-assisted synthesis of saponite. <i>Applied Clay Science</i> , 2010, 48, 26-31.	5.2	47
10	Several Factors Affecting Faster Rates of Gibbsite Formation. <i>Chemistry of Materials</i> , 1999, 11, 123-129.	6.7	43
11	Effects of Oxygen Partial Pressure and Annealing Temperature on the Formation of Sputtered Tungsten Oxide Films. <i>Journal of the Electrochemical Society</i> , 2002, 149, H81.	2.9	43
12	Synthesis of silver-gold alloy nanoparticles by a phase-transfer system. <i>Journal of Materials Research</i> , 2006, 21, 105-111.	2.6	43
13	Fast microwave synthesis of hectorite. <i>Applied Clay Science</i> , 2009, 43, 103-107.	5.2	40
14	Preparation and Characterization of Different Phases of Aluminum Trifluoride. <i>Chemistry of Materials</i> , 2000, 12, 1148-1155.	6.7	39
15	Effect of microwaves in the dealumination of mordenite on its surface and acidic properties. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 341-347.	4.4	38
16	Highly basic catalysts obtained by intercalation of La-containing anionic complexes in layered double hydroxides. <i>Applied Catalysis A: General</i> , 2010, 382, 272-276.	4.3	31
17	Biohydrogen production by dark fermentation of glycerol using <i>Enterobacter</i> and <i>Citrobacter</i> Sp. <i>Biotechnology Progress</i> , 2013, 29, 31-38.	2.6	31
18	Simultaneous in situ generation of hydrogen peroxide and Fenton reaction over Pd-Fe catalysts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14673.	2.8	27

#	ARTICLE	IF	CITATIONS
19	Acidity properties of Ni-exchanged mordenites prepared with and without microwaves. Applied Catalysis A: General, 2009, 368, 163-169.	4.3	25
20	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
21	Nickel-Magnesia Catalysts: An Alternative for the Hydrogenation of 1,6-Hexanedinitrile. Journal of Catalysis, 2002, 209, 202-209.	6.2	23
22	Hydrogen substitutes for the in situ generation of H ₂ O ₂ : An application in the Fenton reaction. Journal of Hazardous Materials, 2011, 192, 340-6.	12.4	22
23	Nickel and Nickel-Magnesia Catalysts Active in the Hydrogenation of 1,4-Butanedinitrile. Journal of Catalysis, 2001, 197, 210-219.	6.2	21
24	Studies on the Characterization of Several Iridium and Rhodium-clay Catalysts and Their Activity in Imine Hydrogenation. Journal of Catalysis, 2001, 201, 70-79.	6.2	21
25	Design of NiO-MgO materials with different properties. Physical Chemistry Chemical Physics, 2004, 6, 858-864.	2.8	21
26	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
27	Structural and catalytic properties of several potassium-doped nickel/±-alumina solids. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3981-3986.	1.7	20
28	A New Route to the Synthesis of Fine-Grain Gibbsite. Chemistry of Materials, 2001, 13, 2595-2600.	6.7	20
29	Evolution of several Ni and Ni-MgO catalysts during the hydrogenation reaction of adiponitrile. Applied Catalysis A: General, 2004, 272, 353-362.	4.3	20
30	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 CO ₂ . Tetrahedron Letters, 2011, 52, 385-387.	1.4	18
31	Asymmetric epoxidation of chalcone catalyzed by reusable poly-l-leucine immobilized on hydrotalcite. Journal of Catalysis, 2011, 282, 65-73.	6.2	17
32	High-selective Ni-MgO catalysts for a clean obtention of 2-phenylethanol. Applied Catalysis A: General, 2004, 272, 125-132.	4.3	15
33	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
34	Coking and Ex Situ Catalyst Reactivation Using Supercritical CO ₂ : A Preliminary Study. Industrial & Engineering Chemistry Research, 2000, 39, 3666-3670.	3.7	13
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Synthesis, characterization and catalytic activity of metal nanoparticles in the selective oxidation of olefins in the gas phase. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 399-418.	2.4	8
38	Adsorption of Carbon Dioxide in Several Aged Hydrotalcites and Calcined Hydrotalcites: Influence of Microwave Irradiation during the Ageing Step on Their Basic Properties. <i>Adsorption Science and Technology</i> , 2007, 25, 143-154.	3.2	7
39	Control of the Basicity in Ni ²⁺ /MgO Systems: Influence in the Hydrogenation of Styrene Oxide. <i>Catalysis Letters</i> , 2008, 122, 259-266.	2.6	7
40	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. <i>Water Science and Technology</i> , 2011, 63, 2017-2024.	2.5	6
41	Hexagonal orthovanadates as catalysts in the oxidation of methanol to formaldehyde. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 1084.	2.0	4
42	Novel nanohybrid materials based on L-leucine on hydrotalcite clays: Asymmetric epoxidation reaction of chalcona. <i>Catalysis Today</i> , 2011, 172, 48-52.	4.4	4
43	New tuneable catalytic membrane reactor for various reactions in aqueous media. <i>ChemistrySelect</i> , 2016, 1, 124-126.	1.5	2
44	Methanol oxidation on semiconducting oxides. <i>Reaction Kinetics and Catalysis Letters</i> , 1993, 51, 119-124.	0.6	1