

Sonia Moreno

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,653
citations

28
h-index

48
g-index

89
ext. papers

2,907
ext. citations

5.7
avg, IF

5.16
L-index

#	Paper	IF	Citations
87	High stability of Ce-promoted Ni/Mg/Al catalysts derived from hydrotalcites in dry reforming of methane. <i>Fuel</i> , 2010 , 89, 592-603	7.1	183
86	Cu/Mn and Co/Mn catalysts synthesized from hydrotalcites and their use in the oxidation of VOCs. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 144-150	21.8	180
85	CO ₂ reforming of methane over Ni/Mg/Al/Ce mixed oxides. <i>Catalysis Today</i> , 2008 , 133-135, 357-366	5.3	113
84	Catalytic wet peroxide oxidation of phenol by pillared clays containing Al-Ce-Fe. <i>Water Research</i> , 2005 , 39, 3891-9	12.5	108
83	Catalytic wet peroxide oxidation of phenol over Al ₂ O ₃ or Al ₂ Fe modified clays. <i>Applied Clay Science</i> , 2003 , 22, 303-308	5.2	103
82	Cooperative effect of the Co/Mn mixed oxides for the catalytic oxidation of VOCs: Influence of the synthesis method. <i>Applied Catalysis A: General</i> , 2015 , 492, 48-59	5.1	91
81	Dry reforming of methane using Ni/Ce catalysts supported on a modified mineral clay. <i>Applied Catalysis A: General</i> , 2009 , 364, 65-74	5.1	84
80	Co-precipitated Ni/Mg/Al catalysts containing Ce for CO ₂ reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3886-3894	6.7	84
79	Synthesis of pillared clays containing Al, Al-Fe or Al-Ce-Fe from a bentonite: Characterization and catalytic activity. <i>Catalysis Today</i> , 2005 , 107-108, 126-132	5.3	81
78	Effect of Fe and Ce on Al-pillared bentonite and their performance in catalytic oxidation reactions. <i>Applied Catalysis A: General</i> , 2007 , 317, 120-128	5.1	80
77	Syngas production from CO ₂ reforming of methane using Ce-doped Ni-catalysts obtained from hydrotalcites by reconstruction method. <i>Applied Catalysis A: General</i> , 2010 , 378, 125-133	5.1	70
76	Pillared clays with Al ₂ Fe and Al ₂ CeFe in concentrated medium: Synthesis and catalytic activity. <i>Applied Catalysis A: General</i> , 2009 , 356, 243-249	5.1	63
75	Al-, Al ₂ Zr-, and Zr-Pillared Montmorillonites and Saponites: Preparation, Characterization, and Catalytic Activity in Heptane Hydroconversion. <i>Journal of Catalysis</i> , 1999 , 182, 174-185	7.3	62
74	Hydroconversion of Heptane over Pt/Al-Pillared Montmorillonites and Saponites. A Comparative Study. <i>Journal of Catalysis</i> , 1996 , 162, 198-208	7.3	56
73	Catalytic performance of Ni/Br supported on delaminated clay in the dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1540-1550	6.7	55
72	Synthesis of Ce and Pr-promoted Ni and Co catalysts from hydrotalcite type precursors by reconstruction method. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 18827-18842	6.7	52
71	Dealumination of small- and large-pore mordenites: A comparative study. <i>Microporous Materials</i> , 1997 , 12, 197-222		52

70	Hydroisomerization-Hydrocracking of Decane over Al- and Ga-Pillared Clays. <i>Journal of Catalysis</i> , 1994 , 148, 304-314	7.3	46
69	Influence of Preparation Variables on the Structural, Textural, and Catalytic Properties of Al-Pillared Smectites. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 1569-1578	3.4	42
68	Al-pillared clays: from lab syntheses to pilot scale production characterisation and catalytic properties. <i>Applied Catalysis A: General</i> , 1997 , 165, 103-114	5.1	42
67	A study on Al and Al ₂ Te ₂ pillaring species and their catalytic potential as they are supported on a bentonite. <i>Applied Catalysis A: General</i> , 2008 , 334, 168-172	5.1	42
66	Catalytic activity of CoMg mixed oxides in the VOC oxidation: Effects of ultrasonic assisted in the synthesis. <i>Catalysis Today</i> , 2011 , 176, 286-291	5.3	38
65	Gold supported on Fe, Ce, and Al pillared bentonites for CO oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2007 , 72, 157-165	21.8	38
64	Synthesis of pillared bentonite starting from the AlBe polymeric precursor in solid state, and its catalytic evaluation in the phenol oxidation reaction. <i>Catalysis Today</i> , 2008 , 133-135, 530-533	5.3	37
63	Incorporation of titanium and titanium-iron species inside a smectite-type mineral for photocatalysis. <i>Applied Clay Science</i> , 2010 , 50, 401-408	5.2	35
62	Synthesis of pillared clays with aluminum by means of concentrated suspensions and microwave radiation. <i>Catalysis Communications</i> , 2009 , 10, 697-701	3.2	33
61	Synthesis of pillared clays with Al ₁₃ -Fe and Al ₁₃ -Fe-Ce polymers in solid state assisted by microwave and ultrasound: Characterization and catalytic activity. <i>Applied Catalysis A: General</i> , 2009 , 370, 7-15	5.1	31
60	Deposition of Al-Fe pillared bentonites and gold supported Al-Fe pillared bentonites on metallic monoliths for catalytic oxidation reactions. <i>Applied Catalysis A: General</i> , 2009 , 364, 166-173	5.1	29
59	The effect of the absence of Ni, Co, and NiCo catalyst pretreatment on catalytic activity for hydrogen production via oxidative steam reforming of ethanol. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 10074-10089	6.7	28
58	Nickel catalysts obtained from hydrotalcites by coprecipitation and urea hydrolysis for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 8225-8237	6.7	27
57	Ce-incorporation in mixed oxides obtained by the self-combustion method for the preparation of high performance catalysts for the CO ₂ reforming of methane. <i>Catalysis Communications</i> , 2010 , 12, 173-179	3.7	27
56	Catalytic oxidation of VOCs on MnMgAlO _x mixed oxides obtained by auto-combustion. <i>Journal of Molecular Catalysis A</i> , 2015 , 398, 358-367		26
55	Cooperative effect of Ce and Pr in the catalytic combustion of ethanol in mixed Cu/CoMgAl oxides obtained from hydrotalcites. <i>Applied Catalysis A: General</i> , 2011 , 408, 96-104	5.1	26
54	The effect of ultrasound in the synthesis of clays used as catalysts in oxidation reactions. <i>Catalysis Today</i> , 2008 , 133-135, 526-529	5.3	26
53	Effects of the cobalt content of catalysts prepared from hydrotalcites synthesized by ultrasound-assisted coprecipitation on hydrogen production by oxidative steam reforming of ethanol (OSRE). <i>Fuel</i> , 2017 , 194, 7-16	7.1	24

52	Mechanical and textural properties of extruded materials manufactured with AlFe and AlCeFe pillared bentonites. <i>Applied Clay Science</i> , 2010 , 47, 283-289	5.2	24
51	Synthesis of pillared clays with AlFe and AlFeCe starting from concentrated suspensions of clay using microwaves or ultrasound, and their catalytic activity in the phenol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2009 , 93, 56-65	21.8	24
50	Effect of Ultrasound on the Structural and Textural Properties of AlFe Pillared Clays in a Concentrated Medium. <i>Catalysis Letters</i> , 2009 , 130, 664-671	2.8	23
49	Effect of Mg and Al on manganese oxides as catalysts for VOC oxidation. <i>Molecular Catalysis</i> , 2017 , 443, 117-124	3.3	21
48	Promoting effect of Ce and Pr in Co catalysts for hydrogen production via oxidative steam reforming of ethanol. <i>Catalysis Today</i> , 2013 , 213, 33-41	5.3	21
47	High-Stable Mesoporous Ni-Ce/Clay Catalysts for Syngas Production. <i>Catalysis Letters</i> , 2011 , 141, 1037-1046	10.6	21
46	Modified clays as catalysts for the catalytic oxidation of ethanol. <i>Applied Clay Science</i> , 2014 , 95, 18-24	5.2	20
45	Enhanced VOC oxidation over Ce/CoMgAl mixed oxides using a reconstruction method with EDTA precursors. <i>Applied Catalysis A: General</i> , 2014 , 477, 109-116	5.1	20
44	MnCoAlMg mixed oxides by auto-combustion method and their use as catalysts in the total oxidation of toluene. <i>Journal of Molecular Catalysis A</i> , 2013 , 370, 167-174		19
43	Decane hydroconversion with AlZr, AlHf, AlCe-pillared vermiculites. <i>Applied Catalysis A: General</i> , 2008 , 345, 112-118	5.1	18
42	New Insights into the Au(I)–Pb(II) Closed-Shell Interaction: Tuning of the Emissive Properties with the Intermetallic Distance. <i>Inorganic Chemistry</i> , 2016 , 55, 10523-10534	5.1	18
41	Promoter effect of Ce and Pr on the catalytic stability of the Ni-Co system for the oxidative steam reforming of ethanol. <i>Applied Catalysis A: General</i> , 2016 , 526, 84-94	5.1	17
40	Relationship between hydrothermal treatment parameters as a strategy to reduce layer charge in vermiculite, and its catalytic behavior. <i>Catalysis Today</i> , 2008 , 133-135, 351-356	5.3	16
39	Hydroconversion of n-Decane over NiMo Supported on Modified Halloysite Catalysts. <i>Energy & Fuels</i> , 2018 , 32, 9782-9792	4.1	15
38	Oxidative steam reforming of ethanol (OSRE) over stable NiCoMgAl catalysts by microwave or sonication assisted coprecipitation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 12284-12294	6.7	14
37	Stability of NiCe Catalysts Supported over Al-PVA Modified Mineral Clay in Dry Reforming of Methane. <i>Energy & Fuels</i> , 2009 , 23, 3497-3509	4.1	14
36	Fractal dimension and energetic heterogeneity of gold-modified AlFeCe pillared. <i>Applied Surface Science</i> , 2008 , 255, 3354-3360	6.7	13
35	Storage capacity and oxygen mobility in mixed oxides from transition metals promoted by cerium. <i>Applied Surface Science</i> , 2016 , 383, 42-48	6.7	13

34	Incorporation of Ni and Mo on delaminated clay by auto-combustion and impregnation for obtaining decane hydroconversion catalysts. <i>Catalysis Today</i> , 2017 , 296, 205-213	5.3	12
33	Oxygen Storage Capacity and Oxygen Mobility of Co-Mn-Mg-Al Mixed Oxides and Their Relation in the VOC Oxidation Reaction. <i>Catalysts</i> , 2015 , 5, 905-925	4	12
32	Gold supported on pillared clays for CO oxidation reaction: Effect of the clay aggregate size. <i>Applied Clay Science</i> , 2012 , 69, 22-29	5.2	12
31	Potentialization of bentonite properties as support in acid catalysts. <i>Materials Research Bulletin</i> , 2020 , 123, 110728	5.1	12
30	Degradation of Crystal Violet by Catalytic Wet Peroxide Oxidation (CWPO) with Mixed Mn/Cu Oxides. <i>Catalysts</i> , 2019 , 9, 530	4	11
29	Hydroconversion of heptane over a Colombian montmorillonite modified with mixed pillars of AlZr and AlSi. <i>Catalysis Today</i> , 2005 , 107-108, 426-430	5.3	11
28	Spray-drying for the preparation of AlCoCu pillared clays: A comparison with the conventional hot-drying method. <i>Powder Technology</i> , 2013 , 239, 451-457	5.2	10
27	Lead encapsulation by a golden clamp through multiple electrostatic, metallophilic, hydrogen bonding and weak interactions. <i>Chemical Communications</i> , 2018 , 54, 295-298	5.8	10
26	Development of Pillared Clays for Wet Hydrogen Peroxide Oxidation of Phenol and Its Application in the Posttreatment of Coffee Wastewater. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-17	2.1	9
25	Al-pillared hectorite and montmorillonite prepared from concentrated clay suspensions: structural, textural and catalytic properties. <i>Studies in Surface Science and Catalysis</i> , 2000 , 130, 983-988	1.8	8
24	Modified Vermiculite for Hydrocracking of Athabasca Bitumen. <i>Energy & Fuels</i> , 2019 , 33, 5153-5161	4.1	7
23	Mo or W catalysts promoted with Ni or Co supported on modified bentonite for decane hydroconversion. <i>New Journal of Chemistry</i> , 2020 , 44, 2966-2979	3.6	7
22	Acidity characterization of a titanium and sulfate modified vermiculite. <i>Materials Research Bulletin</i> , 2008 , 43, 1630-1640	5.1	7
21	Hydrocracking of 1-methylnaphtalene (1MN) over modified clays-supported NiMoS and NiWS catalyst. <i>Fuel</i> , 2021 , 295, 120612	7.1	7
20	Catalytic wet hydrogen peroxide oxidation of phenolic compounds in coffee wastewater using AlBe-pillared clay extrudates. <i>Desalination and Water Treatment</i> , 2015 , 55, 647-654		6
19	Relation between immersion enthalpy and the acidity of clay pillared minerals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 899-904	4.1	6
18	Pillarization in concentrated media with solid Al and Al-Zr polymers to obtain acid catalysts. <i>Catalysis Today</i> , 2020 , 356, 284-291	5.3	6
17	Comparison of the Catalytic Performance of Ni, Mo, and NiMo Impregnated on Acid Halloysite Nanotubes in the n-Decane Hydroconversion. <i>Energy & Fuels</i> , 2019 , 33, 12647-12655	4.1	5

16	Heterogeneous Catalysts in Pictet-Spengler-Type Reactions. <i>Journal of Chemistry</i> , 2013 , 2013, 1-5	2.3	5
15	Mn, Mn-Cu and Mn-Co mixed oxides as catalysts synthesized from hydrotalcite type precursors for the total oxidation of ethanol. <i>Studies in Surface Science and Catalysis</i> , 2010 , 513-516	1.8	5
14	Synthesis, characterization and catalytic activity of LayMO _x (M=Ni, Co) perovskite-type particles intercalated in clay via heterobinuclear complexes. <i>Applied Clay Science</i> , 1998 , 13, 49-63	5.2	5
13	Hydroisomerization of decane on Pt/Al, Ce-pillared vermiculites. <i>Studies in Surface Science and Catalysis</i> , 2007 , 170, 1405-1410	1.8	5
12	CoMnMgAl mixed oxides prepared by a microwave assisted self-combustion synthesis for toluene total oxidation. <i>Molecular Catalysis</i> , 2020 , 493, 111080	3.3	4
11	Catalytic oxidation with Al-Ce-Fe-PILC as a post-treatment system for coffee wet processing wastewater. <i>Water Science and Technology</i> , 2012 , 66, 1663-8	2.2	4
10	Bifunctional catalysts supported on modified vermiculite for the hydroconversion of decane. Effect of the metal phase (Mo or W) and promoters (Ni or Co). <i>Catalysis Today</i> , 2020 , 356, 271-283	5.3	4
9	Oxygen mobility and its relationship with the oxidative steam reforming of ethanol (OSRE). <i>Applied Surface Science</i> , 2019 , 485, 293-303	6.7	3
8	Ce - promoted catalyst from hydrotalcites for CO ₂ reforming of methane: calcination temperature effect. <i>Quimica Nova</i> , 2012 , 35, 1325-1328	1.6	3
7	Rational Assembly of Metallophilic Gold(I)-Lead(II) and Gold(I)-Gold(I) Puzzle Pieces. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 640-644	16.4	3
6	Heteropolyacids supported on clay minerals as bifunctional catalysts for the hydroconversion of decane. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120464	21.8	3
5	Modulation of the acidity of a vermiculite and its potential use as a catalytic support. <i>Journal of Materials Science</i> , 2020 , 55, 6482-6501	4.3	2
4	Catalizadores de manganeso sintetizados por autocombustión y coprecipitación y su empleo en la oxidación del 2-propanol. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2015 , 39, 26	0.5	2
3	Influence of the Active Phase (Fe, Ni, and Ni ₃ Fe) of Mixed Oxides in CWAO of Crystal Violet. <i>Catalysts</i> , 2020 , 10, 1053	4	2
2	Approach to a Descriptive Model of Charge Reduction in Vermiculite by Hydrothermal Treatment. <i>Clays and Clay Minerals</i> , 2010 , 58, 97-109	2.1	
1	Modifying bentonite with Al-Fe from concentrated clay suspensions. <i>Ingenieria E Investigacion</i> , 2005 , 25, 49-57	0.3	