

Sonia Moreno

List of Publications by Year in Descending Order

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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	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
86	Hydrocracking of 1-methylnaphtalene (1MN) over modified clays-supported NiMoS and NiWS catalyst. <i>Fuel</i> , 2021 , 295, 120612	7.1	7
85	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
84	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
83	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
82	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
81	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
80	Potentialization of bentonite properties as support in acid catalysts. <i>Materials Research Bulletin</i> , 2020 , 123, 110728	5.1	12
79	Influence of the Active Phase (Fe, Ni, and NiFe) of Mixed Oxides in CWAO of Crystal Violet. <i>Catalysts</i> , 2020 , 10, 1053	4	2
78	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
77	Degradation of Crystal Violet by Catalytic Wet Peroxide Oxidation (CWPO) with Mixed Mn/Cu Oxides. <i>Catalysts</i> , 2019 , 9, 530	4	11
76	Modified Vermiculite for Hydrocracking of Athabasca Bitumen. <i>Energy & Fuels</i> , 2019 , 33, 5153-5161	4.1	7
75	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
74	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
73	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
72	Hydroconversion of n-Decane over NiMo Supported on Modified Halloysite Catalysts. <i>Energy & Fuels</i> , 2018 , 32, 9782-9792	4.1	15
71	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

70	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
69	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
68	Effect of Mg and Al on manganese oxides as catalysts for VOC oxidation. <i>Molecular Catalysis</i> , 2017 , 443, 117-124	3.3	21
67	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
66	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
65	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
64	Catalytic wet hydrogen peroxide oxidation of phenolic compounds in coffee wastewater using AlFe-pillared clay extrudates. <i>Desalination and Water Treatment</i> , 2015 , 55, 647-654		6
63	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
62	Cooperative effect of the CoMn 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
61	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
60	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, Físicas Y Naturales</i> , 2015 , 39, 26	0.5	2
59	Modified clays as catalysts for the catalytic oxidation of ethanol. <i>Applied Clay Science</i> , 2014 , 95, 18-24	5.2	20
58	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
57	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
56	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
55	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
54	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
53	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

52	Heterogeneous Catalysts in Pictet-Spengler-Type Reactions. <i>Journal of Chemistry</i> , 2013 , 2013, 1-5	2.3	5
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	High-Stable Mesoporous Ni-Ce/Clay Catalysts for Syngas Production. <i>Catalysis Letters</i> , 2011 , 141, 1037-1046	10.6	21
43	CuMn and CoMn 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
42	Catalytic performance of NiPr supported on delaminated clay in the dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1540-1550	6.7	55
41	Co-precipitated NiMgAl catalysts containing Ce for CO ₂ reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3886-3894	6.7	84
40	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
39	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
38	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
37	Incorporation of titanium and titaniumIron species inside a smectite-type mineral for photocatalysis. <i>Applied Clay Science</i> , 2010 , 50, 401-408	5.2	35
36	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	
35	High stability of Ce-promoted Ni/MgAl catalysts derived from hydrotalcites in dry reforming of methane. <i>Fuel</i> , 2010 , 89, 592-603	7.1	183

34	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
33	Effect of Ultrasound on the Structural and Textural Properties of Al ₃ Fe Pillared Clays in a Concentrated Medium. <i>Catalysis Letters</i> , 2009 , 130, 664-671	2.8	23
32	Pillared clays with Al ₃ Fe and Al ₃ Ce ₃ Fe in concentrated medium: Synthesis and catalytic activity. <i>Applied Catalysis A: General</i> , 2009 , 356, 243-249	5.1	63
31	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
30	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
29	Dry reforming of methane using Ni ₃ Ce catalysts supported on a modified mineral clay. <i>Applied Catalysis A: General</i> , 2009 , 364, 65-74	5.1	84
28	Synthesis of pillared clays with Al ₃ Fe and Al ₃ Fe ₃ Ce 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
27	Stability of Ni ₃ Ce Catalysts Supported over Al-PVA Modified Mineral Clay in Dry Reforming of Methane. <i>Energy & Fuels</i> , 2009 , 23, 3497-3509	4.1	14
26	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
25	Acidity characterization of a titanium and sulfate modified vermiculite. <i>Materials Research Bulletin</i> , 2008 , 43, 1630-1640	5.1	7
24	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
23	Decane hydroconversion with Al ₃ Zr, Al ₃ Hf, Al ₃ Ce-pillared vermiculites. <i>Applied Catalysis A: General</i> , 2008 , 345, 112-118	5.1	18
22	Fractal dimension and energetic heterogeneity of gold-modified Al ₃ Fe ₃ Ce pillared. <i>Applied Surface Science</i> , 2008 , 255, 3354-3360	6.7	13
21	CO ₂ reforming of methane over Ni/Mg/Al/Ce mixed oxides. <i>Catalysis Today</i> , 2008 , 133-135, 357-366	5.3	113
20	Synthesis of pillared bentonite starting from the Al ₃ Fe 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
19	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
18	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
17	A study on Al and Al ₃ Ce ₃ Fe 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

16	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
15	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
14	Hydroisomerization of decane on Pt/Al, Ce-pillared vermiculites. <i>Studies in Surface Science and Catalysis</i> , 2007 , 170, 1405-1410	1.8	5
13	Catalytic wet peroxide oxidation of phenol by pillared clays containing Al-Ce-Fe. <i>Water Research</i> , 2005 , 39, 3891-9	12.5	108
12	Hydroconversion of heptane over a Colombian montmorillonite modified with mixed pillars of Al ₂ O ₃ and AlBi. <i>Catalysis Today</i> , 2005 , 107-108, 426-430	5.3	11
11	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
10	Modifying bentonite with Al-Fe from concentrated clay suspensions. <i>Ingenieria E Investigacion</i> , 2005 , 25, 49-57	0.3	
9	Catalytic wet peroxide oxidation of phenol over Al ₂ O ₃ or AlBe modified clays. <i>Applied Clay Science</i> , 2003 , 22, 303-308	5.2	103
8	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
7	Al-, Al,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
6	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
5	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
4	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
3	Dealumination of small- and large-pore mordenites: A comparative study. <i>Microporous Materials</i> , 1997 , 12, 197-222		52
2	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
1	Hydroisomerization-Hydrocracking of Decane over Al- and Ga-Pillared Clays. <i>Journal of Catalysis</i> , 1994 , 148, 304-314	7.3	46