

Sonia Moreno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2482241/publications.pdf>

Version: 2024-02-01

88
papers

3,208
citations

136885

32
h-index

161767

54
g-index

89
all docs

89
docs citations

89
times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu ²⁺ /Mn and Co ²⁺ /Mn catalysts synthesized from hydrotalcites and their use in the oxidation of VOCs. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 144-150.	10.8	219
2	High stability of Ce-promoted Ni/Mg ²⁺ /Al catalysts derived from hydrotalcites in dry reforming of methane. <i>Fuel</i> , 2010, 89, 592-603.	3.4	214
3	Cooperative effect of the Co ²⁺ /Mn mixed oxides for the catalytic oxidation of VOCs: Influence of the synthesis method. <i>Applied Catalysis A: General</i> , 2015, 492, 48-59.	2.2	130
4	CO ₂ reforming of methane over Ni/Mg/Al/Ce mixed oxides. <i>Catalysis Today</i> , 2008, 133-135, 357-366.	2.2	125
5	Catalytic wet peroxide oxidation of phenol by pillared clays containing Al ³⁺ /Ce ³⁺ /Fe. <i>Water Research</i> , 2005, 39, 3891-3899.	5.3	124
6	Catalytic wet peroxide oxidation of phenol over Al ³⁺ /Cu or Al ³⁺ /Fe modified clays. <i>Applied Clay Science</i> , 2003, 22, 303-308.	2.6	117
7	Dry reforming of methane using Ni ²⁺ /Ce catalysts supported on a modified mineral clay. <i>Applied Catalysis A: General</i> , 2009, 364, 65-74.	2.2	100
8	Co-precipitated Ni ²⁺ /Mg ²⁺ /Al catalysts containing Ce for CO ₂ reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3886-3894.	3.8	93
9	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.	2.2	91
10	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.	2.2	91
11	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.	2.2	81
12	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.	2.2	71
13	Hydroconversion of Heptane over Pt/Al-Pillared Montmorillonites and Saponites. A Comparative Study. <i>Journal of Catalysis</i> , 1996, 162, 198-208.	3.1	68
14	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.	3.1	68
15	Catalytic performance of Ni ²⁺ /Pr supported on delaminated clay in the dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1540-1550.	3.8	64
16	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.	3.8	62
17	Dealumination of small- and large-pore mordenites: A comparative study. <i>Microporous Materials</i> , 1997, 12, 197-222.	1.6	59
18	Hydroisomerization-Hydrocracking of Decane over Al- and Ga-Pillared Clays. <i>Journal of Catalysis</i> , 1994, 148, 304-314.	3.1	55

#	ARTICLE	IF	CITATIONS
19	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.	1.2	49
20	Catalytic activity of Co-Mg mixed oxides in the VOC oxidation: Effects of ultrasonic assisted in the synthesis. <i>Catalysis Today</i> , 2011, 176, 286-291.	2.2	49
21	Al-pillared clays: from lab syntheses to pilot scale production characterisation and catalytic properties. <i>Applied Catalysis A: General</i> , 1997, 165, 103-114.	2.2	47
22	Gold supported on Fe, Ce, and Al pillared bentonites for CO oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 157-165.	10.8	46
23	A study on Al and Al-Ce-Fe pillaring species and their catalytic potential as they are supported on a bentonite. <i>Applied Catalysis A: General</i> , 2008, 334, 168-172.	2.2	46
24	Incorporation of titanium and titanium-iron species inside a smectite-type mineral for photocatalysis. <i>Applied Clay Science</i> , 2010, 50, 401-408.	2.6	45
25	Synthesis of pillared bentonite starting from the Al-Fe polymeric precursor in solid state, and its catalytic evaluation in the phenol oxidation reaction. <i>Catalysis Today</i> , 2008, 133-135, 530-533.	2.2	40
26	The effect of the absence of Ni, Co, and Ni-Co 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.	3.8	39
27	Catalytic oxidation of VOCs on MnMgAlOx mixed oxides obtained by auto-combustion. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 358-367.	4.8	37
28	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.	2.2	35
29	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.	3.4	35
30	Effect of Mg and Al on manganese oxides as catalysts for VOC oxidation. <i>Molecular Catalysis</i> , 2017, 443, 117-124.	1.0	35
31	Synthesis of pillared clays with aluminum by means of concentrated suspensions and microwave radiation. <i>Catalysis Communications</i> , 2009, 10, 697-701.	1.6	34
32	Nickel catalysts obtained from hydrotalcites by coprecipitation and urea hydrolysis for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 8225-8237.	3.8	34
33	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.	2.2	30
34	Mechanical and textural properties of extruded materials manufactured with AlFe and AlCeFe pillared bentonites. <i>Applied Clay Science</i> , 2010, 47, 283-289.	2.6	30
35	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.	2.2	29
36	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.	1.6	28

#	ARTICLE	IF	CITATIONS
37	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.	2.2	28
38	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.	2.2	28
39	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.	2.2	28
40	The effect of ultrasound in the synthesis of clays used as catalysts in oxidation reactions. <i>Catalysis Today</i> , 2008, 133-135, 526-529.	2.2	27
41	Synthesis of pillared clays with Al ^{III} -Fe and Al ^{III} -Fe ^{II} -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.	10.8	27
42	Effect of Ultrasound on the Structural and Textural Properties of Al ^{III} -Fe Pillared Clays in a Concentrated Medium. <i>Catalysis Letters</i> , 2009, 130, 664-671.	1.4	25
43	High-Stable Mesoporous Ni-Ce/Clay Catalysts for Syngas Production. <i>Catalysis Letters</i> , 2011, 141, 1037-1046.	1.4	25
44	Oxidative steam reforming of ethanol (OSRE) over stable NiCo ^{II} -MgAl catalysts by microwave or sonication assisted coprecipitation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12284-12294.	3.8	24
45	Modified clays as catalysts for the catalytic oxidation of ethanol. <i>Applied Clay Science</i> , 2014, 95, 18-24.	2.6	23
46	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.	1.9	22
47	Decane hydroconversion with Al ^{III} -Zr, Al ^{III} -Hf, Al ^{III} -Ce-pillared vermiculites. <i>Applied Catalysis A: General</i> , 2008, 345, 112-118.	2.2	21
48	Mn ^{II} -Co ^{II} -Al ^{III} -Mg 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.	4.8	21
49	Hydroconversion of <i>n</i> -Decane over Ni ^{II} -Mo Supported on Modified Halloysite Catalysts. <i>Energy & Fuels</i> , 2018, 32, 9782-9792.	2.5	21
50	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.	2.2	18
51	Stability of Ni ^{II} -Ce Catalysts Supported over Al-PVA Modified Mineral Clay in Dry Reforming of Methane. <i>Energy & Fuels</i> , 2009, 23, 3497-3509.	2.5	18
52	Heteropolyacids supported on clay minerals as bifunctional catalysts for the hydroconversion of decane. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120464.	10.8	18
53	Fractal dimension and energetic heterogeneity of gold-modified Al ^{III} -Fe ^{II} -Ce pillared clays. <i>Applied Surface Science</i> , 2008, 255, 3354-3360.	3.1	17
54	Gold supported on pillared clays for CO oxidation reaction: Effect of the clay aggregate size. <i>Applied Clay Science</i> , 2012, 69, 22-29.	2.6	16

#	ARTICLE	IF	CITATIONS
55	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.	1.6	16
56	Lead encapsulation by a golden clamp through multiple electrostatic, metallophilic, hydrogen bonding and weak interactions. <i>Chemical Communications</i> , 2018, 54, 295-298.	2.2	15
57	Degradation of Crystal Violet by Catalytic Wet Peroxide Oxidation (CWPO) with Mixed Mn/Cu Oxides. <i>Catalysts</i> , 2019, 9, 530.	1.6	15
58	Potentialization of bentonite properties as support in acid catalysts. <i>Materials Research Bulletin</i> , 2020, 123, 110728.	2.7	15
59	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.	1.4	14
60	Storage capacity and oxygen mobility in mixed oxides from transition metals promoted by cerium. <i>Applied Surface Science</i> , 2016, 383, 42-48.	3.1	14
61	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.	2.2	14
62	Hydrocracking of 1-methylnaphtalene (1MN) over modified clays-supported NiMoS and NiWS catalyst. <i>Fuel</i> , 2021, 295, 120612.	3.4	14
63	Spray-drying for the preparation of Al-Co-Cu pillared clays: A comparison with the conventional hot-drying method. <i>Powder Technology</i> , 2013, 239, 451-457.	2.1	13
64	Hydroconversion of heptane over a Colombian montmorillonite modified with mixed pillars of Al-Zr and Al-Si. <i>Catalysis Today</i> , 2005, 107-108, 426-430.	2.2	12
65	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.	1.4	12
66	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.	7.2	11
67	Oxygen mobility and its relationship with the oxidative steam reforming of ethanol (OSRE). <i>Applied Surface Science</i> , 2019, 485, 293-303.	3.1	10
68	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.	1.5	9
69	Acidity characterization of a titanium and sulfate modified vermiculite. <i>Materials Research Bulletin</i> , 2008, 43, 1630-1640.	2.7	8
70	Modified Vermiculite for Hydrocracking of Athabasca Bitumen. <i>Energy & Fuels</i> , 2019, 33, 5153-5161.	2.5	8
71	Pillarization in concentrated media with solid Al and Al-Zr polymers to obtain acid catalysts. <i>Catalysis Today</i> , 2020, 356, 284-291.	2.2	8
72	Hydroisomerization of decane on Pt/Al, Ce-pillared vermiculites. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 1405-1410.	1.5	7

#	ARTICLE	IF	CITATIONS
73	Ce - promoted catalyst from hydrotalcites for CO ₂ reforming of methane: calcination temperature effect. <i>Quimica Nova</i> , 2012, 35, 1325-1328.	0.3	7
74	Catalytic wet hydrogen peroxide oxidation of phenolic compounds in coffee wastewater using Al-Fe-pillared clay extrudates. <i>Desalination and Water Treatment</i> , 2015, 55, 647-654.	1.0	7
75	Relation between immersion enthalpy and the acidity of clay pillared minerals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 899-904.	2.0	6
76	Comparison of the Catalytic Performance of Ni, Mo, and Ni-Mo Impregnated on Acid Halloysite Nanotubes in the n-Decane Hydroconversion. <i>Energy & Fuels</i> , 2019, 33, 12647-12655.	2.5	6
77	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.	2.2	6
78	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.	2.6	5
79	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.	1.5	5
80	Heterogeneous Catalysts in Pictet-Spengler-Type Reactions. <i>Journal of Chemistry</i> , 2013, 2013, 1-5.	0.9	5
81	CoMnMgAl mixed oxides prepared by a microwave assisted self-combustion synthesis for toluene total oxidation. <i>Molecular Catalysis</i> , 2020, 493, 111080.	1.0	5
82	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, 1663-1668.	1.2	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.	1.7	4
84	Influence of the Active Phase (Fe, Ni, and Ni-Fe) of Mixed Oxides in CWAO of Crystal Violet. <i>Catalysts</i> , 2020, 10, 1053.	1.6	3
85	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.	0.0	2
86	Approach to a Descriptive Model of Charge Reduction in Vermiculite by Hydrothermal Treatment. <i>Clays and Clay Minerals</i> , 2010, 58, 97-109.	0.6	1
87	Raschig Rings Based on Pillared Clays: Efficient Reusable Catalysts for Oxidation of Phenol. <i>Journal of Advanced Oxidation Technologies</i> , 2012, 15, .	0.5	0
88	Modifying bentonite with Al-Fe from concentrated clay suspensions. <i>Ingenieria E Investigacion</i> , 2005, 25, 49-57.	0.2	0