

Antonia Infantes Molina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/651081/publications.pdf>

Version: 2024-02-01

93
papers

3,370
citations

136950

32
h-index

161849

54
g-index

93
all docs

93
docs citations

93
times ranked

3791
citing authors

#	ARTICLE	IF	CITATIONS
1	NiAlCe mixed oxides obtained from layered double hydroxides applied to anisole hydrodeoxygenation. <i>Catalysis Today</i> , 2022, 394-396, 282-294.	4.4	7
2	Improving noble metal catalytic activity in the dry reforming of methane by adding niobium. <i>Fuel</i> , 2022, 308, 121996.	6.4	12
3	Hydrothermal synthesis of bulk Ni impregnated WO ₃ 2D layered structures as catalysts for the desulfurization of 3-methyl thiophene. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100312.	5.2	4
4	Evaluation of technological properties of fired clay bricks containing pyrrhotite ash. <i>Construction and Building Materials</i> , 2021, 269, 121312.	7.2	23
5	Residue-based activated carbon from passion fruit seed as support to H3PW12O ₄₀ for the esterification of oleic acid. <i>Journal of Cleaner Production</i> , 2021, 282, 124477.	9.3	23
6	Ceria doping boosts methylene blue photodegradation in titania nanostructures. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4138-4152.	5.9	23
7	Advantages of the Incorporation of Luffa-Based Activated Carbon to Titania for Improving the Removal of Methylene Blue from Aqueous Solution. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7607.	2.5	4
8	A novel heterogeneous photo-Fenton Fe/Al ₂ O ₃ catalyst for dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 421, 113529.	3.9	18
9	Nanostructured Co ₃ O ₄ electrocatalyst for OER: The role of organic polyelectrolytes as soft templates. <i>Electrochimica Acta</i> , 2021, 398, 139338.	5.2	30
10	Bimetallic Niobium-Based Catalysts Supported on SBA-15 for Hydrodeoxygenation of Anisole. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18831-18840.	3.7	7
11	Iron phosphides presenting different stoichiometry as nanocatalysts in the HDO of phenol. <i>Catalysis Today</i> , 2020, 349, 117-127.	4.4	2
12	Recent advances in photo-assisted preferential CO oxidation in H ₂ -rich stream. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 21, 9-15.	5.9	8
13	Bimetallic Mo-Co/ZSM-5 and Mo-Ni/ZSM-5 catalysts for methane dehydroaromatization: A study of the effect of pretreatment and metal loadings on the catalytic behavior. <i>Applied Catalysis A: General</i> , 2020, 589, 117247.	4.3	61
14	Silica-Related Catalysts for CO ₂ Transformation into Methanol and Dimethyl Ether. <i>Catalysts</i> , 2020, 10, 1282.	3.5	5
15	Au-Decorated Ce-Ti Mixed Oxides for Efficient CO Preferential Photooxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38019-38030.	8.0	12
16	Active ruthenium phosphide as selective sulfur removal catalyst of gasoline model compounds. <i>Fuel Processing Technology</i> , 2020, 208, 106507.	7.2	11
17	Effect of Si/Al ratio of ZSM-5 support on structure and activity of Mo species in methane dehydroaromatization. <i>Fuel</i> , 2020, 278, 118290.	6.4	40
18	6. Advances in the application of transition metal phosphide catalysts for hydrodeoxygenation reactions of bio-oil from biomass pyrolysis. , 2020, , 145-166.		2

#	ARTICLE	IF	CITATIONS
19	Photodegradation of methylene blue and methyl orange with CuO supported on ZnO photocatalysts: The effect of copper loading and reaction temperature. <i>Materials Science in Semiconductor Processing</i> , 2020, 119, 105257.	4.0	76
20	Heterogeneous acid catalysts prepared by immobilization of H ₃ PW ₁₂ O ₄₀ on silica through impregnation and inclusion, applied to the synthesis of 3H-1,5-benzodiazepines. <i>Molecular Catalysis</i> , 2020, 485, 110842.	2.0	17
21	Photocatalyzed preferential oxidation of CO under simulated sunlight using Au ⁰ –transition metal oxide–sepiolite catalysts. <i>Dalton Transactions</i> , 2020, 49, 3946-3955.	3.3	4
22	In vitro degradability and bioactivity of oxidized bacterial cellulose-hydroxyapatite composites. <i>Carbohydrate Polymers</i> , 2020, 237, 116174.	10.2	39
23	Hydrodesulfurization activity of Ni-containing unsupported Ga(x)WS ₂ catalysts. <i>Catalysis Communications</i> , 2019, 130, 105760.	3.3	10
24	LIGHT N-PARAFFINS SEPARATION BY INVERSE GAS CHROMATOGRAPHY WITH CUBAN VOLCANIC GLASS. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 531-539.	1.3	3
25	Increasing the catalytic stability by optimizing the formation of zeolite-supported Mo carbide species ex situ for methane dehydroaromatization. <i>Journal of Catalysis</i> , 2019, 375, 314-328.	6.2	29
26	Study of bifunctionality of Pt/SBA-15 catalysts for HDO of Dibenzofuran reaction: Addition of Mo or use of an acidic support. <i>Applied Catalysis A: General</i> , 2019, 580, 93-101.	4.3	23
27	Separation of N ⁿ -C ₅ H ₁₂ -C ₉ H ₂₀ Paraffins Using Boehmite by Inverse Gas Chromatography. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1810.	2.5	4
28	Au nanoparticles supported on nanorod-like TiO ₂ as catalysts in the CO-PROX reaction under dark and light irradiation: Effect of acidic and alkaline synthesis conditions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 923-936.	7.1	17
29	Silica–Calcareous Non Fired Bricks Made of Biomass Ash and Dust Filter from Gases Purification. <i>Waste and Biomass Valorization</i> , 2019, 10, 417-431.	3.4	7
30	Sustainable photo-assisted CO oxidation in H ₂ -rich stream by simulated solar light response of Au nanoparticles supported on TiO ₂ . <i>Catalysis Today</i> , 2018, 304, 135-142.	4.4	16
31	Effect of the treatment with H ₃ PO ₄ on the catalytic activity of Nb ₂ O ₅ supported on Zr-doped mesoporous silica catalyst. Case study: Glycerol dehydration. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 158-168.	20.2	52
32	From light to heavy alkali metal tetraphosphonates (M = Li, Na, K, Rb, Cs): cation size-induced structural diversity and water-facilitated proton conductivity. <i>CrystEngComm</i> , 2018, 20, 7648-7658.	2.6	13
33	Separation of Light Liquid Paraffin C ₅ –C ₉ with Cuban Volcanic Glass Previously Used in Copper Elimination from Water Solutions. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 295.	2.5	6
34	Strontium delivery systems based on bacterial cellulose and hydroxyapatite for guided bone regeneration. <i>Cellulose</i> , 2018, 25, 6661-6679.	4.9	19
35	Au and AuCu Nanoparticles Supported on SBA-15 Ordered Mesoporous Titania-Silica as Catalysts for Methylene Blue Photodegradation. <i>Materials</i> , 2018, 11, 890.	2.9	25
36	CO Preferential Photo-Oxidation in Excess of Hydrogen in Dark and Simulated Solar Light Irradiation over AuCu-Based Catalysts on SBA-15 Mesoporous Silica-Titania. <i>Materials</i> , 2018, 11, 1203.	2.9	8

#	ARTICLE	IF	CITATIONS
37	Conversion of glycerol into lactic acid using Pd or Pt supported on carbon as catalyst. Catalysis Today, 2017, 279, 317-326.	4.4	69
38	Low-temperature carbon monoxide oxidation over zirconia-supported CuO/CeO ₂ catalysts: Effect of zirconia support properties. Applied Surface Science, 2017, 403, 612-622.	6.1	34
39	CoxPy Catalysts in HDO of Phenol and Dibenzofuran: Effect of P content. Topics in Catalysis, 2017, 60, 1094-1107.	2.8	17
40	Aluminum doped mesoporous silica SBA-15 for glycerol dehydration to value-added chemicals. Journal of Sol-Gel Science and Technology, 2017, 83, 342-354.	2.4	9
41	Ni and Fe mixed phosphides catalysts for O-removal of a bio-oil model molecule from lignocellulosic biomass. Molecular Catalysis, 2017, 437, 130-139.	2.0	33
42	Incorporation of molybdenum into Pd and Pt catalysts supported on commercial silica for hydrodeoxygenation reaction of dibenzofuran. Applied Catalysis A: General, 2017, 547, 86-95.	4.3	27
43	Effect of Preparation Conditions on the Polymorphism and Transport Properties of La _{0.6} Mo _{0.4} O ₁₂ (0 ≤ x ≤ 0.8). Chemistry of Materials, 2017, 29, 6966-6975.	6.7	35
44	Investigation of using bottom or fly pine-olive pruning ash to produce environmental friendly ceramic materials. Applied Clay Science, 2017, 135, 333-346.	5.2	31
45	CO ₂ hydrogenation to lower olefins on a high surface area K-promoted bulk Fe-catalyst. Applied Catalysis B: Environmental, 2017, 200, 530-542.	20.2	229
46	Characterization and evaluation of rice husk ash and wood ash in sustainable clay matrix bricks. Ceramics International, 2017, 43, 463-475.	4.8	135
47	Zirconium Phosphate Heterostructures as Catalyst Support in Hydrodeoxygenation Reactions. Catalysts, 2017, 7, 176.	3.5	7
48	On the detectability limits of nickel species on NiO/Al ₂ O ₃ catalytic materials. Applied Catalysis A: General, 2016, 525, 180-189.	4.3	35
49	Enhanced HDO activity of Ni ₂ P promoted with noble metals. Catalysis Science and Technology, 2016, 6, 7323-7333.	4.1	30
50	Pd-Nb bifunctional catalysts supported on silica and zirconium phosphate heterostructures for O-removal of dibenzofurane. Catalysis Today, 2016, 277, 143-151.	4.4	18
51	Hydrogen from steam reforming of ethanol over cobalt nanoparticles: Effect of boron impurities. Applied Catalysis A: General, 2016, 518, 67-77.	4.3	21
52	Adsorption and separation of propane and propylene by Cuban natural volcanic glass. Materials Chemistry and Physics, 2015, 168, 132-137.	4.0	4
53	3-D flower like Ce/Zr/Cu mixed oxide systems in the CO preferential oxidation (CO-PROX): Effect of catalyst composition. Applied Catalysis B: Environmental, 2015, 168-169, 385-395.	20.2	55
54	Effect of Ir and Pt Addition on the HDO Performance of RuS ₂ /SBA-15 Sulfide Catalysts. Topics in Catalysis, 2015, 58, 247-257.	2.8	10

#	ARTICLE	IF	CITATIONS
55	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga ₂ O ₃ nanoparticles. <i>Fuel</i> , 2015, 158, 405-415.	6.4	14
56	Nickel and cobalt phosphides as effective catalysts for oxygen removal of dibenzofuran: role of contact time, hydrogen pressure and hydrogen/feed molar ratio. <i>Catalysis Science and Technology</i> , 2015, 5, 3403-3415.	4.1	79
57	Hydrodechlorination of polychlorinated molecules using transition metal phosphide catalysts. <i>Journal of Hazardous Materials</i> , 2015, 296, 112-119.	12.4	16
58	Synthesis and characterization of Ga-modified Ti-HMS oxide materials with varying Ga content. <i>Journal of Molecular Catalysis A</i> , 2015, 397, 26-35.	4.8	24
59	Effect of the Al/clay ratio on the thiabendazol removal by aluminum pillared clays. <i>Applied Clay Science</i> , 2014, 87, 245-253.	5.2	36
60	Hydrodesulfurization enhancement of heavy and light S-hydrocarbons on NiMo/HMS catalysts modified with Al and P. <i>Applied Catalysis A: General</i> , 2014, 484, 108-121.	4.3	34
61	Gas phase catalytic hydrodechlorination of chlorobenzene over cobalt phosphide catalysts with different P contents. <i>Journal of Hazardous Materials</i> , 2013, 260, 167-175.	12.4	32
62	Influence of the silica support on the activity of Ni and Ni ₂ P based catalysts in the hydrodechlorination of chlorobenzene. Study of factors governing catalyst deactivation. <i>Journal of Molecular Catalysis A</i> , 2013, 368-369, 78-87.	4.8	65
63	Oxygen-removal of dibenzofuran as a model compound in biomass derived bio-oil on nickel phosphide catalysts: Role of phosphorus. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 140-149.	20.2	185
64	HDS and HDN on SBA-supported RuS ₂ catalysts promoted by Pt and Ir. <i>Journal of Catalysis</i> , 2013, 305, 101-117.	6.2	47
65	Characterization and reactivity of Ce-promoted PtBa lean NO _x trap catalysts. <i>Catalysis Today</i> , 2012, 197, 178-189.	4.4	22
66	Studies of the synthesis of transition metal phosphides and their activity in the hydrodeoxygenation of a biofuel model compound. <i>Journal of Catalysis</i> , 2012, 294, 184-198.	6.2	214
67	Designing supported ZnNi catalysts for the removal of oxygen from bio-liquids and aromatics from diesel. <i>Green Chemistry</i> , 2012, 14, 2759.	9.0	33
68	2D Corrugated Magnesium Carboxyphosphonate Materials: Topotactic Transformations and Interlayer "Decorations" with Ammonia. <i>Inorganic Chemistry</i> , 2012, 51, 7889-7896.	4.0	18
69	Al-pillared montmorillonite as a support for catalysts based on ruthenium sulfide in HDS reactions. <i>Catalysis Today</i> , 2012, 187, 88-96.	4.4	24
70	Simultaneous hydrodesulfurization and hydrodenitrogenation on MoP/SiO ₂ catalysts: Effect of catalyst preparation method. <i>Applied Catalysis B: Environmental</i> , 2012, 113-114, 87-99.	20.2	43
71	Role of Cs on Hydrodesulfurization Activity of RuS ₂ Catalysts Supported on a Mesoporous SBA-15 Type Material. <i>ACS Catalysis</i> , 2011, 1, 175-186.	11.2	18
72	Synthesis and Characterization of Metal-Supported Mesoporous Silicas Applied to the Adsorption of Benzothiophene. <i>Adsorption Science and Technology</i> , 2011, 29, 691-704.	3.2	7

#	ARTICLE	IF	CITATIONS
73	Hydrogenolysis of anisole over mesoporous sulfided CoMoW/SBA-15(16) catalysts. <i>Catalysis Today</i> , 2011, 172, 103-110.	4.4	73
74	Inhibition of CoMo/HMS catalyst deactivation in the HDS of 4,6-DMDBT by support modification with phosphate. <i>Fuel</i> , 2011, 90, 2726-2737.	6.4	55
75	Bimetallic Ru/Ni supported catalysts for the gas phase hydrogenation of acetonitrile. <i>Applied Catalysis A: General</i> , 2010, 381, 132-144.	4.3	49
76	Ni ₂ P and CoP catalysts prepared from phosphite-type precursors for HDS/HDN competitive reactions. <i>Applied Catalysis A: General</i> , 2010, 390, 253-263.	4.3	90
77	SBA-15 type materials as support of catalysts based on ruthenium sulfide for sulfur removal. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 257-268.	20.2	24
78	Thiophene Adsorption on Microporous Activated Carbons Impregnated with PdCl ₂ . <i>Energy & Fuels</i> , 2010, 24, 3436-3442.	5.1	34
79	Mesoporous Phosphate Heterostructures: Synthesis and Application on Adsorption and Catalysis. , 2010, , 423-446.		0
80	A novel method for preparing an active nickel phosphide catalyst for HDS of dibenzothiophene. <i>Journal of Catalysis</i> , 2009, 263, 4-15.	6.2	214
81	“Breathing” in Adsorbate-Responsive Metal Tetraphosphonate Hybrid Materials. <i>Chemistry - A European Journal</i> , 2009, 15, 6612-6618.	3.3	40
82	Al-SBA-15 as a support of catalysts based on chromium sulfide for sulfur removal. <i>Catalysis Today</i> , 2009, 143, 137-144.	4.4	16
83	Dibenzothiophene hydrodesulfurization over cobalt phosphide catalysts prepared through a new synthetic approach: Effect of the support. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 100-113.	20.2	97
84	Chromium Species as Captors of Sulfur Molecules on Nickel-Based Hydrotreating Catalysts. <i>Energy & Fuels</i> , 2009, 23, 101-110.	5.1	16
85	The Influence of the Support on the Formation of Ni ₂ P Based Catalysts by a New Synthetic Approach. Study of the Catalytic Activity in the Hydrodesulfurization of Dibenzothiophene. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17032-17044.	3.1	72
86	Synthesis, characterization and catalytic activity of ruthenium-doped cobalt catalysts. <i>Applied Catalysis A: General</i> , 2008, 341, 35-42.	4.3	22
87	The Effect of Thermal Treatment under Different Atmospheric Conditions on the Catalytic Performance of Nickel Supported on Porous Silica in the Gas-Phase Hydrogenation of Acetonitrile. <i>Adsorption Science and Technology</i> , 2007, 25, 185-198.	3.2	1
88	Pt, Ir and Pd promoted Co/MSU catalysts for hydrotreating of tetralin: A thiotolerance study. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 180-192.	20.2	30
89	Effect of molybdenum and tungsten on Co/MSU as hydrogenation catalysts. <i>Journal of Catalysis</i> , 2006, 240, 258-267.	6.2	31
90	Catalysts based on Co/zirconium doped mesoporous silica MSU for the hydrogenation and hydrogenolysis/hydrocracking of tetralin. <i>Applied Catalysis A: General</i> , 2005, 286, 239-248.	4.3	31

#	ARTICLE	IF	CITATIONS
91	Pd/Pt on Ti-containing Mixed Oxides as Dearomatization Catalysts: Physico-chemical Characterization and Activity. <i>Catalysis Letters</i> , 2005, 104, 29-37.	2.6	3
92	A new low-cost synthetic route to obtain zirconium containing mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2004, 75, 23-32.	4.4	53
93	Nickel supported on porous silica as catalysts for the gas-phase hydrogenation of acetonitrile. <i>Journal of Catalysis</i> , 2004, 225, 479-488.	6.2	49