

Angel Garcia

List of Publications by Year in descending order

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108
papers

2,359
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201385

27
h-index

253896

43
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110
all docs

110
docs citations

110
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Knoevenagel condensation in the heterogeneous phase using aluminum phosphate-aluminum oxide as a new catalyst. <i>Journal of Organic Chemistry</i> , 1984, 49, 5195-5197.	1.7	233
2	Alkali-promoted AlPO ₄ catalysis. <i>Journal of Colloid and Interface Science</i> , 1983, 95, 544-550.	5.0	81
3	Conversion of Alcohols (±-Methylated Series) on AlPO ₄ Catalysts. <i>Journal of Catalysis</i> , 1995, 151, 307-314.	3.1	75
4	Influence of acid-base properties of catalysts in the gas-phase dehydration-dehydrogenation of cyclohexanol on amorphous AlPO ₄ and several inorganic solids. <i>Applied Catalysis A: General</i> , 2003, 243, 93-107.	2.2	71
5	Influence of the starting aluminum salt on the surface and acid properties of AlPO ₄ catalysts precipitated with ammonium hydroxide. <i>Journal of Catalysis</i> , 1988, 111, 106-119.	3.1	67
6	Skeletal isomerization of cyclohexene on AlPO ₄ catalysts. <i>Canadian Journal of Chemistry</i> , 1983, 61, 2567-2571.	0.6	65
7	Fluoride and Sulfate Treatment of AlPO ₄ -Al ₂ O ₃ Catalysts .I. Structure, Texture, Surface Acidity and Catalytic Performance in Cyclohexene Conversion and Cumene Cracking. <i>Journal of Catalysis</i> , 1994, 145, 107-125.	3.1	51
8	Structural and Textural Characterization of AlPO ₄ -B ₂ O ₃ and Al ₂ O ₃ -B ₂ O ₃ (5-30 wt% B ₂ O ₃) Systems Obtained by Boric Acid Impregnation. <i>Journal of Catalysis</i> , 1998, 173, 333-344.	3.1	50
9	Chemical transformations of glucose to value added products using Cu-based catalytic systems. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12165.	1.3	49
10	Alkylation of toluene with methanol over AlPO ₄ , AlPO ₄ -Al ₂ O ₃ , AlPO ₄ -TiO ₂ , and AlPO ₄ -ZrO ₂ catalysts. <i>Journal of Catalysis</i> , 1992, 137, 51-68.	3.1	48
11	Skeletal isomerization of cyclohexene on Al ₂ O ₃ and AlPO ₄ -Al ₂ O ₃ catalysts. <i>Canadian Journal of Chemistry</i> , 1984, 62, 1455-1458.	0.6	46
12	Liquid phase catalytic hydrogenation of 1-hexene on AlPO ₄ -supported nickel catalysts. <i>Applied Catalysis</i> , 1982, 3, 315-325.	1.1	45
13	Study on dry-media microwave azalactone synthesis on different supported KF catalysts: influence of textural and acid-base properties of supports. <i>Perkin Transactions II RSC</i> , 2002, , 227-234.	1.1	42
14	Acidity and catalytic activity of AlPO ₄ -B ₂ O ₃ and Al ₂ O ₃ -B ₂ O ₃ (5-30wt% B ₂ O ₃) systems prepared by impregnation. <i>Applied Catalysis A: General</i> , 1998, 170, 159-168.	2.2	40
15	Solventless mechanochemical synthesis of magnetic functionalized catalytically active mesoporous SBA-15 nanocomposites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 387-393.	5.2	40
16	Textural properties, surface chemistry and cyclohexene conversion of AlPO ₄ -Al ₂ O ₃ catalysts. <i>Materials Chemistry and Physics</i> , 1989, 21, 409-426.	2.0	38
17	Structure, Texture, Surface Acidity, and Catalytic Activity of AlPO ₄ -ZrO ₂ (5-50 wt% ZrO ₂) Catalysts Prepared by a Sol-Gel Procedure. <i>Journal of Catalysis</i> , 1998, 179, 483-494.	3.1	38
18	Liquid-phase regioselective 1,4-hydrogenation of benzylidene ketones on rhodium-aluminum phosphate catalysts. <i>Journal of Organic Chemistry</i> , 1986, 51, 1786-1790.	1.7	37

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19	N-Alkylation of Aniline with Methanol over CrPO ₄ and CrPO ₄ ·AlPO ₄ (5 wt% AlPO ₄) Catalysts. <i>Journal of Catalysis</i> , 1997, 172, 103-109.	3.1	36
20	Properties of a glucose oxidase covalently immobilized on amorphous AlPO ₄ support. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 567-577.	1.8	36
21	Spanish Sepiolite Clay as a New Heterogeneous Catalyst for the Tetrahydropyranlation of Alcohols and Phenols. <i>Synthetic Communications</i> , 1994, 24, 1345-1350.	1.1	35
22	Covalent immobilization of porcine pancreatic lipase on amorphous AlPO ₄ and other inorganic supports. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 249-254.	1.6	35
23	Covalent immobilization of acid phosphatase on amorphous AlPO ₄ support. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 6, 473-481.	1.8	34
24	N-Alkylation of aniline with methanol over AlPO ₄ Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 1998, 166, 39-45.	2.2	33
25	Catalysts IX. Liquid-phase hydrogenation and isomerization of α , β -unsaturated alcohols. <i>Journal of Catalysis</i> , 1988, 113, 172-184.	3.1	32
26	The effect of the fluoride ion on the catalytic activity of AlPO ₄ in the cyclohexene skeletal isomerization. <i>Journal of Catalysis</i> , 1986, 102, 299-308.	3.1	31
27	AlPO ₄ -supported nickel catalysts VI. Support effects on the individual and competitive hydrogenation of allyl alcohol and its α and β methyl derivatives. <i>Journal of Catalysis</i> , 1986, 97, 108-120.	3.1	29
28	AlPO ₄ and AlPO ₄ -Al ₂ O ₃ as New Heterogeneous Catalysts for the Solvent-Free Tetrahydropyranlation of Alcohols and Phenols. <i>Synthetic Communications</i> , 1992, 22, 2335-2342.	1.1	28
29	AlPO ₄ -Al ₂ O ₃ catalysts with low-alumina content. <i>Applied Catalysis A: General</i> , 1993, 104, 109-135.	2.2	28
30	Influence of Ni-Cu alloying on Sepiolite-supported nickel catalysts in the liquid-phase selective hydrogenation of fatty acid ethyl esters. <i>Journal of Molecular Catalysis A</i> , 1996, 104, 229-235.	4.8	28
31	AlPO ₄ supported nickel catalysts. v. Effect of carrier, nickel precursor and nickel loading on particle size and 1-hexene hydrogenation activity. <i>Applied Catalysis</i> , 1983, 7, 307-315.	1.1	27
32	New AlPO ₄ -sepiolite systems as acid catalysts, I. Preparation, texture, surface-chemical properties and cyclohexene skeletal isomerization conversion. <i>Journal of Materials Science</i> , 1990, 25, 2513-2519.	1.7	27
33	Acid-base and redox properties of fluorided AlPO ₄ catalysts. <i>Journal of Colloid and Interface Science</i> , 1984, 102, 107-110.	5.0	25
34	AlPO ₄ -supported rhodium catalysts. <i>Journal of Catalysis</i> , 1985, 94, 1-9.	3.1	25
35	Vanadyl-aluminum binary phosphate: Al/V ratio influence on their structure and catalytic behavior in the 2-propanol conversion. <i>Catalysis Today</i> , 2003, 78, 269-280.	2.2	25
36	Catalytic conversion of starch into valuable furan derivatives using supported metal nanoparticles on mesoporous aluminosilicate materials. <i>Catalysis Science and Technology</i> , 2014, 4, 428-434.	2.1	25

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37	AlPO ₄ -supported nickel catalysts VIII. Support effects on the gas-phase dehydrogenation of alkylbenzenes. <i>Journal of Catalysis</i> , 1987, 107, 181-194.	3.1	24
38	Aluminium phosphate-zirconia catalysts. <i>Applied Catalysis</i> , 1989, 53, 135-156.	1.1	23
39	Anion treatment (F ⁻ or SO ₄ ²⁻) of AlPO ₄ -Al ₂ O ₃ (25 wt.-% Al ₂ O ₃) catalysts. <i>Applied Catalysis A: General</i> , 1993, 99, 161-173.	2.2	22
40	Title is missing!. <i>Catalysis Letters</i> , 1998, 52, 205-213.	1.4	22
41	AlPO ₄ -supported rhodium catalysts V. Liquid phase hydrogenation of cycloalkenes. <i>Applied Catalysis</i> , 1984, 10, 1-17.	1.1	20
42	Mechanistic insights into the hydroconversion of cinnamaldehyde using mechanochemically-synthesized Pd/Al-SBA-15 catalysts. <i>Green Chemistry</i> , 2015, 17, 565-572.	4.6	20
43	Chromium-aluminium orthophosphates. Part 1. Structure, texture, surface acidity and catalytic activity in cyclohexene skeletal isomerization and cumene conversion of CrPO ₄ -AlPO ₄ catalysts. <i>Journal of Materials Chemistry</i> , 1994, 4, 311-317.	6.7	18
44	Liquid-phase hydrogenation on new AlPO ₄ -SiO ₂ supported rhodium catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1982, 21, 209-212.	0.6	17
45	Kinetics and mechanism of catalytic oxydehydrogenation of alkylbenzenes. <i>Journal of Catalysis</i> , 1989, 116, 338-349.	3.1	17
46	Textural properties, surface chemistry and catalytic activity in cyclohexene skeletal isomerization of acid treated natural sepiolites. <i>Materials Chemistry and Physics</i> , 1989, 24, 51-70.	2.0	17
47	AlPO ₄ -supported nickel catalysts IX. Liquid-phase selective hydrogenation of propargyl alcohols. <i>Journal of Catalysis</i> , 1990, 125, 171-186.	3.1	17
48	AlPO ₄ -Al ₂ O ₃ catalysts with low alumina content. Part IV. Effect of fluoride ion addition on texture, surface acidity and catalytic performance in cyclohexene and cumene conversions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 2265-2275.	1.7	17
49	Application of a poisoning titration method for measuring support effects in new AlPO ₄ -supported nickel catalysts. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1984, 80, 659.	1.0	16
50	AlPO ₄ TiO ₂ catalysts. <i>Journal of Colloid and Interface Science</i> , 1987, 118, 98-110.	5.0	16
51	Electron transfer sites on AlPO ₄ , AlPO ₄ -SiO ₂ and AlPO ₄ -Al ₂ O ₃ catalysts. <i>Colloids and Surfaces</i> , 1984, 8, 353-360.	0.9	15
52	The mechanism of liquid-phase catalytic hydrogenation of the olefinic double bond on supported nickel catalysts. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1989, , 493-498.	0.9	15
53	Effect of precipitation medium on surface acidity and catalytic performance of chromium orthophosphates in cyclohexene skeletal isomerization and cumene conversion. <i>Journal of Materials Chemistry</i> , 1993, 3, 975.	6.7	14
54	Chromium-aluminium orthophosphates, III. Acidity and catalytic performance in cyclohexene and cumene conversions on CrPO ₄ -AlPO ₄ (20-50 wt.-% AlPO ₄) catalysts obtained in aqueous ammonia. <i>Reaction Kinetics and Catalysis Letters</i> , 1994, 53, 55-63.	0.6	14

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55	Structure, texture, acidity and catalytic performance of AlPO ₄ -caesium oxide catalysts in 2-methyl-3-butyn-2-ol conversion. <i>Journal of Materials Chemistry</i> , 1999, 9, 827-835.	6.7	14
56	AlPO ₄ -supported rhodium catalysts. II. Determination of metal dispersion of Rh/AlPO ₄ -SiO ₂ catalysts by TEM and XRD. <i>Colloids and Surfaces</i> , 1982, 5, 227-239.	0.9	13
57	Surface properties of sepiolites from vallecas-madrid, spain, and their catalytic activity in cyclohexene skeletal isomerization. <i>Reactivity of Solids</i> , 1987, 3, 263-272.	0.3	13
58	AlPO ₄ /TiO ₂ catalysts. Part 2. Structure, texture and catalytic activity of systems precipitated with ammonia or ethene oxide. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 2535.	1.0	13
59	Porcine pancreatic lipase-catalized enantioselective hydrolysis of N-protected amino acid methyl-esters. <i>Amino Acids</i> , 1992, 2, 87-95.	1.2	13
60	Efficient aromatic C-H bond activation using aluminosilicate-supported metal nanoparticles. <i>Catalysis Communications</i> , 2014, 48, 73-77.	1.6	13
61	The activity of Ni/AlPO ₄ , Ni/AlPO ₄ -Al ₂ O ₃ and Ni/AlPO ₄ -SiO ₂ catalysts in the hydrogenation of e-cinnamaldehyde. <i>Reaction Kinetics and Catalysis Letters</i> , 1981, 18, 325-328.	0.6	12
62	Effect of sulfate ion on catalytic activity of AlPO ₄ in the skeletal isomerization of cyclohexene. <i>Journal of Catalysis</i> , 1986, 102, 447-451.	3.1	12
63	AlPO ₄ catalyzed Diels-Alder reaction of cyclopentadiene with (-)-menthyl acrylate. Influence of catalyst surface properties. <i>Catalysis Letters</i> , 1996, 36, 215-221.	1.4	12
64	Alkali-promoted AlPO ₄ catalysts, II. Cyclohexene skeletal isomerization to 1- and 3-methylcyclopentenes. <i>Reaction Kinetics and Catalysis Letters</i> , 1986, 30, 165-172.	0.6	11
65	Influence of surface support properties on the liquid-phase hydrogenation of propargyl alcohols on AlPO ₄ -supported nickel catalysts. <i>Journal of Molecular Catalysis</i> , 1991, 67, 91-104.	1.2	11
66	Title is missing!. <i>Catalysis Letters</i> , 1999, 60, 229-235.	1.4	11
67	Catalytic activity of natural sepiolites in cyclohexene skeletal isomerization. <i>Clay Minerals</i> , 1987, 22, 233-236.	0.2	11
68	Continuous flow toluene methylation over AlPO ₄ and AlPO ₄ -Al ₂ O ₃ catalysts. <i>Catalysis Letters</i> , 1994, 26, 159-167.	1.4	10
69	Synthesis of 1,3-dioxolanes catalysed by AlPO ₄ and AlPO ₄ -Al ₂ O ₃ ; kinetic and mechanistic studies. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 815-822.	0.9	10
70	Evaluation of biomass-derived stabilising agents for colloidal silver nanoparticles via nanoparticle tracking analysis (NTA). <i>RSC Advances</i> , 2013, 3, 7119.	1.7	10
71	Toluene methylation on AlPO ₄ -Al ₂ O ₃ catalysts (5-15 wt.% Al ₂ O ₃). <i>Reaction Kinetics and Catalysis Letters</i> , 1996, 57, 61-70.	0.6	9
72	Phenol methylation over CrPO ₄ and CrPO ₄ -AlPO ₄ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1997, 62, 47-54.	0.6	9

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73	Acetylacetone conversion on AlPO ₄ cesium oxide (5–30 wt%) catalysts. <i>Catalysis Letters</i> , 1999, 60, 145-149.	1.4	9
74	Effect of precipitation medium and thermal treatment on structure and textural properties of chromium orthophosphates. <i>Reaction Kinetics and Catalysis Letters</i> , 1993, 49, 173-181.	0.6	8
75	Conversion of 2-propanol over chromium orthophosphates. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 55, 133-141.	0.6	8
76	Conversion of 2-propanol over chromium aluminum orthophosphates. <i>Catalysis Letters</i> , 1995, 35, 143-154.	1.4	8
77	Alkylation of phenol with dimethyl carbonate over AlPO ₄ , Al ₂ O ₃ and AlPO ₄ -Al ₂ O ₃ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 63, 261-269.	0.6	8
78	Microwave-assisted hydroarylation of styrenes catalysed by transition metal oxide nanoparticles supported on mesoporous aluminosilicates. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 32-37.	4.8	8
79	A comprehensive study on the continuous flow synthesis of supported iron oxide nanoparticles on porous silicates and their catalytic applications. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 757-768.	1.9	8
80	Liquid-phase hydrogenation of 1-alkenes over Rh/AlPO ₄ and Rh/sepiolite catalysts. <i>Journal of Molecular Catalysis</i> , 1993, 78, 249-256.	1.2	7
81	Fluoride treatment of AlPO ₄ -Al ₂ O ₃ catalysts. II. Poisoning experiments by bases for cyclohexene conversion and cumene cracking. <i>Catalysis Letters</i> , 1994, 24, 293-301.	1.4	7
82	Chromium-aluminium orthophosphates, II. Effect of AlPO ₄ loading on structure and texture of		

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91	Oxydehydrogenation of alkylbenzenes on Rh/AlPO ₄ catalysts. Reaction Kinetics and Catalysis Letters, 1990, 41, 295-301.	0.6	4
92	Characterization of acidity in AlPO ₄ -Al ₂ O ₃ (5-15 wt% Al ₂ O ₃) catalysts using pyridine temperature-programmed desorption. Thermochimica Acta, 1995, 261, 175-182.	1.2	4
93	Conversion of anisole in the presence of methanol over AlPO ₄ -Al ₂ O ₃ catalysts modified with fluoride and sulfate anions. Reaction Kinetics and Catalysis Letters, 1995, 54, 99-106.	0.6	4
94	AlPO ₄ -Al ₂ O ₃ catalysts with low alumina content, VII. Anisole conversion in the presence of methanol. Reaction Kinetics and Catalysis Letters, 1995, 56, 349-362.	0.6	4
95	AlPO ₄ -ZrO ₂ catalysts, III. Acid-base properties and infrared study of systems obtained in ethylene oxide. Reaction Kinetics and Catalysis Letters, 1989, 38, 237-242.	0.6	3
96	Gas-phase measurements of the surface basicity of AlPO ₄ -TiO ₂ and AlPO ₄ -ZrO ₂ catalysts. Reaction Kinetics and Catalysis Letters, 1992, 47, 263-270.	0.6	3
97	AlPO ₄ -Al ₂ O ₃ catalysts with low alumina content. III. Surface basicity of catalysts obtained in aqueous ammonia. Catalysis Letters, 1993, 19, 137-142.	1.4	3
98	Microwave-assisted oxidation of benzyl alcohols using supported cobalt based nanomaterials under mild reaction conditions. Green Processing and Synthesis, 2014, 3, 133-139.	1.3	3
99	Surface redox properties of Rh/AlPO ₄ and Rh/AlPO ₄ -SiO ₂ catalysts. Reaction Kinetics and Catalysis Letters, 1984, 26, 73-77.	0.6	2
100	Adsorption of alkylaromatic hydrocarbons on AlPO ₄ , Al ₂ O ₃ , and SiO ₂ catalysts. Journal of Colloid and Interface Science, 1986, 112, 79-86.	5.0	2
101	AlPO ₄ -supported nickel catalysts. Journal of Colloid and Interface Science, 1987, 117, 347-354.	5.0	2
102	Cyclohexene skeletal isomerization on AlPO ₄ catalysts precipitated with ammonia and promoted with sulfate ions. Reaction Kinetics and Catalysis Letters, 1989, 39, 61-68.	0.6	2
103	2-Methyl-3-butyn-2-ol conversion on AlPO ₄ -cesium oxide (20 wt.%) catalysts obtained by impregnation with cesium chloride. Reaction Kinetics and Catalysis Letters, 1998, 65, 239-244.	0.6	2
104	Structure and texture of AlPO ₄ -cesium oxide (20 wt.%) catalysts obtained by impregnation with cesium chloride. Reaction Kinetics and Catalysis Letters, 1998, 65, 245-251.	0.6	2
105	Anion treatment (F ⁻ or SO ₄ ²⁻) of AlPO ₄ -Al ₂ O ₃ (25 wt.% Al ₂ O ₃) catalysts. III. Anion effect on surface basic properties. Reaction Kinetics and Catalysis Letters, 1993, 49, 183-188.	0.6	1
106	A kinetic study of the regeneration of new AlPO ₄ -supported nickel catalysts. Reaction Kinetics and Catalysis Letters, 1985, 28, 1-8.	0.6	0
107	AlPO ₄ -supported rhodium catalysts. VIII. Gas-phase adsorption of arenes by gas-chromatography. Reaction Kinetics and Catalysis Letters, 1986, 31, 327-332.	0.6	0
108	AlPO ₄ -ZrO ₂ catalysts, IV. Cyclohexene skeletal isomerization activity of systems obtained in ethylene oxide. Reaction Kinetics and Catalysis Letters, 1989, 39, 7-13.	0.6	0