

# Angel Garcia

## List of Publications by Year in descending order

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110  
docs citations

110  
times ranked

1551  
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Microwave-assisted oxidation of benzyl alcohols using supported cobalt based nanomaterials under mild reaction conditions. <i>Green Processing and Synthesis</i> , 2014, 3, 133-139.	1.3	3
5	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
6	Efficient aromatic C-H bond activation using aluminosilicate-supported metal nanoparticles. <i>Catalysis Communications</i> , 2014, 48, 73-77.	1.6	13
7	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
8	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
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	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
11	Influence of acid-base properties of catalysts in the gas-phase dehydration-dehydrogenation of cyclohexanol on amorphous AlPO <sub>4</sub> and several inorganic solids. <i>Applied Catalysis A: General</i> , 2003, 243, 93-107.	2.2	71
12	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
13	Properties of a glucose oxidase covalently immobilized on amorphous AlPO <sub>4</sub> support. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 567-577.	1.8	36
14	Title is missing!. <i>Catalysis Letters</i> , 1999, 60, 229-235.	1.4	11
15	Acetylacetone conversion on AlPO <sub>4</sub> -cesium oxide (5-30 wt%) catalysts. <i>Catalysis Letters</i> , 1999, 60, 145-149.	1.4	9
16	Covalent immobilization of acid phosphatase on amorphous AlPO <sub>4</sub> support. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 6, 473-481.	1.8	34
17	Structure, texture, acidity and catalytic performance of AlPO <sub>4</sub> -caesium oxide catalysts in 2-methyl-3-butyn-2-ol conversion. <i>Journal of Materials Chemistry</i> , 1999, 9, 827-835.	6.7	14
18	Title is missing!. <i>Catalysis Letters</i> , 1998, 52, 205-213.	1.4	22

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19	Structure, Texture, Surface Acidity, and Catalytic Activity of $\text{AlPO}_4\text{-ZrO}_2$ (5 wt% $\text{ZrO}_2$ ) Catalysts Prepared by a Sol-Gel Procedure. <i>Journal of Catalysis</i> , 1998, 179, 483-494.	3.1	38
20	N-Alkylation of aniline with methanol over $\text{AlPO}_4\text{-Al}_2\text{O}_3$ catalysts. <i>Applied Catalysis A: General</i> , 1998, 166, 39-45.	2.2	33
21	Covalent immobilization of porcine pancreatic lipase on amorphous $\text{AlPO}_4$ and other inorganic supports. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 249-254.	1.6	35
22	2-Methyl-3-butyn-2-ol conversion on $\text{AlPO}_4$ -cesium oxide (20 wt.%) catalysts obtained by impregnation with cesium chloride. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 65, 239-244.	0.6	2
23	Structure and texture of $\text{AlPO}_4$ -cesium oxide (20 wt.%) catalysts obtained by impregnation with cesium chloride. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 65, 245-251.	0.6	2
24	Isomerization of 3,3-dimethyl-1-butene over aluminum and chromium orthophosphates. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 64, 41-48.	0.6	7
25	Alkylation of phenol with dimethyl carbonate over $\text{AlPO}_4$ , $\text{Al}_2\text{O}_3$ and $\text{AlPO}_4\text{-Al}_2\text{O}_3$ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 63, 261-269.	0.6	8
26	Acidity and catalytic activity of $\text{AlPO}_4\text{-B}_2\text{O}_3$ and $\text{Al}_2\text{O}_3\text{-B}_2\text{O}_3$ (5 wt% $\text{B}_2\text{O}_3$ ) systems prepared by impregnation. <i>Applied Catalysis A: General</i> , 1998, 170, 159-168.	2.2	40
27	Structural and Textural Characterization of $\text{AlPO}_4\text{-B}_2\text{O}_3$ and $\text{Al}_2\text{O}_3\text{-B}_2\text{O}_3$ (5 wt% $\text{B}_2\text{O}_3$ ) Systems Obtained by Boric Acid Impregnation. <i>Journal of Catalysis</i> , 1998, 173, 333-344.	3.1	50
28	N-Alkylation of Aniline with Methanol over $\text{CrPO}_4$ and $\text{CrPO}_4\text{-AlPO}_4$ (5 wt% $\text{AlPO}_4$ ) Catalysts. <i>Journal of Catalysis</i> , 1997, 172, 103-109.	3.1	36
29	Phenol methylation over $\text{CrPO}_4$ and $\text{CrPO}_4\text{-AlPO}_4$ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1997, 62, 47-54.	0.6	9
30	Toluene methylation on $\text{AlPO}_4\text{-Al}_2\text{O}_3$ catalysts (5 wt% $\text{Al}_2\text{O}_3$ ). <i>Reaction Kinetics and Catalysis Letters</i> , 1996, 57, 61-70.	0.6	9
31	$\text{AlPO}_4$ 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
32	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
33	Characterization of acidity in $\text{AlPO}_4\text{-Al}_2\text{O}_3$ (5 wt% $\text{Al}_2\text{O}_3$ ) catalysts using pyridine temperature-programmed desorption. <i>Thermochimica Acta</i> , 1995, 261, 175-182.	1.2	4
34	Characterization of acidity in $\text{AlPO}_4\text{-Al}_2\text{O}_3$ (5 wt% $\text{Al}_2\text{O}_3$ ) catalysts using pyridine temperature programmed desorption. <i>Thermochimica Acta</i> , 1995, 265, 103-110.	1.2	6
35	Conversion of anisole in the presence of methanol over $\text{AlPO}_4\text{-Al}_2\text{O}_3$ catalysts modified with fluoride and sulfate anions. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 54, 99-106.	0.6	4
36	Conversion of 2-propanol over chromium orthophosphates. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 55, 133-141.	0.6	8

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37	AlPO <sub>4</sub> ~Al <sub>2</sub> O <sub>3</sub> 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
38	Conversion of Alcohols (1±-Methylated Series) on ALPO <sub>4</sub> Catalysts. Journal of Catalysis, 1995, 151, 307-314.	3.1	75
39	Conversion of 2-propanol over chromium aluminum orthophosphates. Catalysis Letters, 1995, 35, 143-154.	1.4	8
40	Synthesis of 1,3-dioxolanes catalysed by AlPO <sub>4</sub> and AlPO <sub>4</sub> ~Al <sub>2</sub> O <sub>3</sub> : kinetic and mechanistic studies. Journal of the Chemical Society Perkin Transactions II, 1995, , 815-822.	0.9	10
41	Spanish Sepiolite Clay as a New Heterogeneous Catalyst for the Tetrahydropyranylation of Alcohols and Phenols. Synthetic Communications, 1994, 24, 1345-1350.	1.1	35
42	Fluoride and Sulfate Treatment of AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> Catalysts .I. Structure, Texture, Surface Acidity and Catalytic Performance in Cyclohexene Conversion and Cumene Cracking. Journal of Catalysis, 1994, 145, 107-125.	3.1	51
43	Fluoride treatment of AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. II. Poisoning experiments by bases for cyclohexene conversion and cumene cracking. Catalysis Letters, 1994, 24, 293-301.	1.4	7
44	Continuous flow toluene methylation over AlPO <sub>4</sub> and AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. Catalysis Letters, 1994, 26, 159-167.	1.4	10
45	Chromium-aluminium orthophosphates, II. Effect of AlPO <sub>4</sub> loading on structure and texture of		

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55	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
56	Alpo <sub>4</sub> and Alpo <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> as New Heterogeneous Catalysts for the Solvent-Free Tetrahydropyranlation of Alcohols and Phenols. <i>Synthetic Communications</i> , 1992, 22, 2335-2342.	1.1	28
57	Porcine pancreatic lipase-catalized enantioselective hydrolysis of N-protected amino acid methyl-esters. <i>Amino Acids</i> , 1992, 2, 87-95.	1.2	13
58	Gas-phase measurements of the surface basicity of AlPO <sub>4</sub> ~TiO <sub>2</sub> and AlPO <sub>4</sub> ~ZrO <sub>2</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1992, 47, 263-270.	0.6	3
59	Alkylation of toluene with methanol over AlPO <sub>4</sub> , AlPO <sub>4</sub> ~Al <sub>2</sub> O <sub>3</sub> , AlPO <sub>4</sub> ~TiO <sub>2</sub> , and AlPO <sub>4</sub> ~ZrO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , 1992, 137, 51-68.	3.1	48
60	Influence of surface support properties on the liquid-phase hydrogenation of propargyl alcohols on AlPO <sub>4</sub> -supported nickel catalysts. <i>Journal of Molecular Catalysis</i> , 1991, 67, 91-104.	1.2	11
61	Effect of substrate structure on the liquid-phase regioselective 1,4-hydrogenation of E-benzylidene ketones on Rh/sepiolite catalyst. <i>Journal of Molecular Catalysis</i> , 1991, 67, 217-227.	1.2	6
62	Cyclohexene skeletal isomerization activity of sepiolites modified with B <sup>3+</sup> or Al <sup>3+</sup> ions. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 13-19.	0.6	5
63	Oxydehydrogenation of alkylbenzenes on Rh/AlPO <sub>4</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 295-301.	0.6	4
64	AlPO <sub>4</sub> -supported nickel catalysts IX. Liquid-phase selective hydrogenation of propargyl alcohols. <i>Journal of Catalysis</i> , 1990, 125, 171-186.	3.1	17
65	New AlPO <sub>4</sub> -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
66	AlPO <sub>4</sub> ~ZrO <sub>2</sub> catalysts, IV. Cyclohexene skeletal isomerization activity of systems obtained in ethylene oxide. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 39, 7-13.	0.6	0
67	Cyclohexene skeletal isomerization on AlPO <sub>4</sub> catalysts precipitated with ammonia and promoted with sulfate ions. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 39, 61-68.	0.6	2
68	AlPO <sub>4</sub> ~ZrO <sub>2</sub> catalysts, II. Synthesis, textural properties and crystal structure of systems obtained in ethylene oxide. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 38, 223-228.	0.6	4
69	AlPO <sub>4</sub> -ZrO <sub>2</sub> catalysts, III. Acid-base properties and infrared study of systems obtained in ethylene oxide. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 38, 237-242.	0.6	3
70	Kinetics and mechanism of catalytic oxydehydrogenation of alkylbenzenes. <i>Journal of Catalysis</i> , 1989, 116, 338-349.	3.1	17
71	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
72	Textural properties, surface chemistry and cyclohexene conversion of AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Materials Chemistry and Physics</i> , 1989, 21, 409-426.	2.0	38

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73	Aluminium phosphate-zirconia catalysts. Applied Catalysis, 1989, 53, 135-156.	1.1	23
74	AlPO <sub>4</sub> /TiO <sub>2</sub> catalysts. Part 2. Structure, texture and catalytic activity of systems precipitated with ammonia or ethene oxide. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 2535.	1.0	13
75	The mechanism of liquid-phase catalytic hydrogenation of the olefinic double bond on supported nickel catalysts. Journal of the Chemical Society Perkin Transactions II, 1989, , 493-498.	0.9	15
76	Gas-Phase Dehydrogenation of Alkylbenzenes on Rh/AlPO <sub>4</sub> Catalysts. Bulletin of the Chemical Society of Japan, 1989, 62, 3670-3674.	2.0	6
77	Influence of the starting aluminum salt on the surface and acid properties of AlPO <sub>4</sub> catalysts precipitated with ammonium hydroxide. Journal of Catalysis, 1988, 111, 106-119.	3.1	67
78	Catalysts IX. Liquid-phase hydrogenation and isomerization of $\alpha$ -, $\beta$ -unsaturated alcohols. Journal of Catalysis, 1988, 113, 172-184.	3.1	32
79	Surface properties of sepiolites from vallecas-madrid, spain, and their catalytic activity in cyclohexene skeletal isomerization. Reactivity of Solids, 1987, 3, 263-272.	0.3	13
80	AlPO <sub>4</sub> TiO <sub>2</sub> catalysts. Journal of Colloid and Interface Science, 1987, 118, 98-110.	5.0	16
81	AlPO <sub>4</sub> -supported nickel catalysts. Journal of Colloid and Interface Science, 1987, 117, 347-354.	5.0	2
82	AlPO <sub>4</sub> -supported nickel catalysts VIII. Support effects on the gas-phase dehydrogenation of alkylbenzenes. Journal of Catalysis, 1987, 107, 181-194.	3.1	24
83	Catalytic activity of natural sepiolites in cyclohexene skeletal isomerization. Clay Minerals, 1987, 22, 233-236.	0.2	11
84	Liquid-phase regioselective 1,4-hydrogenation of benzylidene ketones on rhodium-aluminum phosphate catalysts. Journal of Organic Chemistry, 1986, 51, 1786-1790.	1.7	37
85	Adsorption of alkylaromatic hydrocarbons on AlPO <sub>4</sub> , Al <sub>2</sub> O <sub>3</sub> , and SiO <sub>2</sub> catalysts. Journal of Colloid and Interface Science, 1986, 112, 79-86.	5.0	2
86	AlPO <sub>4</sub> -supported nickel catalysts VI. Support effects on the individual and competitive hydrogenation of allyl alcohol and its $\alpha$ - and $\beta$ -methyl derivatives. Journal of Catalysis, 1986, 97, 108-120.	3.1	29
87	The effect of the fluoride ion on the catalytic activity of AlPO <sub>4</sub> in the cyclohexene skeletal isomerization. Journal of Catalysis, 1986, 102, 299-308.	3.1	31
88	Effect of sulfate ion on catalytic activity of AlPO <sub>4</sub> in the skeletal isomerization of cyclohexene. Journal of Catalysis, 1986, 102, 447-451.	3.1	12
89	Alkali-promoted AlPO <sub>4</sub> catalysts, II. Cyclohexene skeletal isomerization to 1- and 3-methylcyclopentenes. Reaction Kinetics and Catalysis Letters, 1986, 30, 165-172.	0.6	11
90	AlPO <sub>4</sub> -supported rhodium catalysts. VIII. Gas-phase adsorption of arenes by gas-chromatography. Reaction Kinetics and Catalysis Letters, 1986, 31, 327-332.	0.6	0

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91	AlPO <sub>4</sub> -supported rhodium catalysts, VII, liquid-phase hydrogenation of Ph <sup>α</sup> CH=CH <sup>β</sup> R compounds. Reaction Kinetics and Catalysis Letters, 1985, 27, 337-342.	0.6	5
92	A kinetic study of the regeneration of new AlPO <sub>4</sub> -supported nickel catalysts. Reaction Kinetics and Catalysis Letters, 1985, 28, 1-8.	0.6	0
93	AlPO <sub>4</sub> -supported rhodium catalysts. Journal of Catalysis, 1985, 94, 1-9.	3.1	25
94	Electron transfer sites on AlPO <sub>4</sub> , AlPO <sub>4</sub> -SiO <sub>2</sub> and AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. Colloids and Surfaces, 1984, 8, 353-360.	0.9	15
95	Acid-base and redox properties of fluorided AlPO <sub>4</sub> catalysts. Journal of Colloid and Interface Science, 1984, 102, 107-110.	5.0	25
96	Knoevenagel condensation in the heterogeneous phase using aluminum phosphate-aluminum oxide as a new catalyst. Journal of Organic Chemistry, 1984, 49, 5195-5197.	1.7	233
97	Surface redox properties of Rh/AlPO <sub>4</sub> and Rh/AlPO <sub>4</sub> -SiO <sub>2</sub> catalysts. Reaction Kinetics and Catalysis Letters, 1984, 26, 73-77.	0.6	2
98	Chemoselective hydrogenation of $\alpha, \beta$ -unsaturated carbonyl compounds on AlPO <sub>4</sub> supported Rh catalysts. Reaction Kinetics and Catalysis Letters, 1984, 26, 447-451.	0.6	4
99	AlPO <sub>4</sub> -supported rhodium catalysts V. Liquid phase hydrogenation of cycloalkenes. Applied Catalysis, 1984, 10, 1-17.	1.1	20
100	Application of a poisoning titration method for measuring support effects in new AlPO <sub>4</sub> -supported nickel catalysts. Journal of the Chemical Society Faraday Transactions I, 1984, 80, 659.	1.0	16
101	Skeletal isomerization of cyclohexene on Al <sub>2</sub> O <sub>3</sub> and AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. Canadian Journal of Chemistry, 1984, 62, 1455-1458.	0.6	46
102	Alkali-promoted AlPO <sub>4</sub> catalysis. Journal of Colloid and Interface Science, 1983, 95, 544-550.	5.0	81
103	AlPO <sub>4</sub> supported nickel catalysts. v. Effect of carrier, nickel precursor and nickel loading on particle size and 1-hexene hydrogenation activity. Applied Catalysis, 1983, 7, 307-315.	1.1	27
104	Skeletal isomerization of cyclohexene on AlPO <sub>4</sub> catalysts. Canadian Journal of Chemistry, 1983, 61, 2567-2571.	0.6	65
105	Liquid phase catalytic hydrogenation of 1-hexene on AlPO <sub>4</sub> -supported nickel catalysts. Applied Catalysis, 1982, 3, 315-325.	1.1	45
106	Liquid-phase hydrogenation on new AlPO <sub>4</sub> -SiO <sub>2</sub> supported rhodium catalysts. Reaction Kinetics and Catalysis Letters, 1982, 21, 209-212.	0.6	17
107	AlPO <sub>4</sub> -supported rhodium catalysts. II. Determination of metal dispersion of Rh/AlPO <sub>4</sub> -SiO <sub>2</sub> catalysts by TEM and XRD. Colloids and Surfaces, 1982, 5, 227-239.	0.9	13
108	The activity of Ni/AlPO <sub>4</sub> , Ni/AlPO <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> and Ni/AlPO <sub>4</sub> -SiO <sub>2</sub> catalysts in the hydrogenation of e-cinnamaldehyde. Reaction Kinetics and Catalysis Letters, 1981, 18, 325-328.	0.6	12