Pedro J Maireles-Torres

List of Publications by Year
in descending order

160	7,395	47006 47	62596 80
papers	citations	h-index	g-index

168	168	168	6646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Furfural: a renewable and versatile platform molecule for the synthesis of chemicals and fuels. Energy and Environmental Science, 2016, 9, 1144-1189.	30.8	1,220
2	CaO supported on mesoporous silicas as basic catalysts for transesterification reactions. Applied Catalysis A: General, 2008, 334, 35-43.	4.3	281
3	Gas-phase hydrogenation of furfural to furfuryl alcohol over Cu/ZnO catalysts. Journal of Catalysis, 2016, 336, 107-115.	6.2	180
4	BrÃ¶nsted and Lewis acid ZSM-5 zeolites for the catalytic dehydration of glucose into 5-hydroxymethylfurfural. Chemical Engineering Journal, 2016, 303, 22-30.	12.7	157
5	Furfuryl alcohol from furfural hydrogenation over copper supported on SBA-15 silica catalysts. Journal of Molecular Catalysis A, 2014, 383-384, 106-113.	4.8	149
6	Heterogeneous transesterification processes by using CaO supported on zinc oxide as basic catalysts. Catalysis Today, 2010, 149, 281-287.	4.4	140
7	Surfactant-Assisted Synthesis of a Mesoporous Form of Zirconium Phosphate with Acidic Properties. Advanced Materials, 1998, 10, 812-815.	21.0	138
8	Textural and structural properties and surface acidity characterization of mesoporous silica-zirconia molecular sieves. Journal of Solid State Chemistry, 2003, 175, 159-169.	2.9	138
9	Production of 5-hydroxymethylfurfural from glucose using aluminium doped MCM-41 silica as acid catalyst. Applied Catalysis B: Environmental, 2015, 164, 70-76.	20.2	134
10	Advances in catalytic routes for the production of carboxylic acids from biomass: a step forward for sustainable polymers. Chemical Society Reviews, 2020, 49, 5704-5771.	38.1	134
11	Selective dehydration of glucose to 5-hydroxymethylfurfural on acidic mesoporous tantalum phosphate. Applied Catalysis B: Environmental, 2014, 144, 22-28.	20.2	107
12	High surface area mesoporous titanium phosphate: synthesis and surface acidity determination. Journal of Materials Chemistry, 2000, 10, 1957-1963.	6.7	102
13	Nanostructured Inorganically Pillared Layered Metal(IV) Phosphates. Chemistry of Materials, 1996, 8, 1758-1769.	6.7	98
14	Synthesis Optimization and Crystal Structures of Layered Metal(IV) Hydrogen Phosphates, .alpha.-M(HPO4)2.cntdot.H2O (M = Ti, Sn, Pb). Inorganic Chemistry, 1995, 34, 893-899.	4.0	92
15	Surface characterisation of zirconium-doped mesoporous silica. Chemical Communications, 1997, , 431-432.	4.1	92
16	Biodiesel preparation using Li/CaO catalysts: Activation process and homogeneous contribution. Catalysis Today, 2009, 143, 167-171.	4.4	91
17	Two-Dimensional Nanocomposites: Alternating Inorganic-Organic Polymer Layers in Zirconium Phosphate. Chemistry of Materials, 1995, 7, 562-571.	6.7	89
18	Selective production of furfuryl alcohol from furfural by catalytic transfer hydrogenation over commercial aluminas. Applied Catalysis A: General, 2018, 556, 1-9.	4.3	87

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19	MgM (M=Al and Ca) oxides as basic catalysts in transesterification processes. Applied Catalysis A: General, 2008, 347, 162-168.	4.3	86
20	Etherification of glycerol to polyglycerols over MgAl mixed oxides. Catalysis Today, 2011, 167, 84-90.	4.4	81
21	Glucose dehydration to 5-hydroxymethylfurfural on zirconium containing mesoporous MCM-41 silica catalysts. Fuel, 2014, 118, 265-271.	6.4	81
22	Dehydration of Xylose to Furfural over MCMâ€41â€Supported Niobiumâ€Oxide Catalysts. ChemSusChem, 2013, 6, 635-642.	6.8	80
23	Structural and surface study of calcium glyceroxide, an active phase for biodiesel production under heterogeneous catalysis. Journal of Catalysis, 2013, 300, 30-36.	6.2	74
24	Beneficial effects of calcium chloride on glucose dehydration to 5-hydroxymethylfurfural in the presence of alumina as catalyst. Applied Catalysis B: Environmental, 2017, 206, 617-625.	20.2	74
25	Gas-phase hydrogenation of furfural over Cu/CeO2 catalysts. Catalysis Today, 2017, 279, 327-338.	4.4	73
26	Chromium oxide supported on zirconium- and lanthanum-doped mesoporous silica for oxidative dehydrogenation of propane. Applied Catalysis A: General, 2001, 218, 295-306.	4.3	72
27	Title is missing!. Catalysis Letters, 2000, 68, 67-73.	2.6	71
28	Acetalization of furfural with zeolites under benign reaction conditions. Catalysis Today, 2014, 234, 233-236.	4.4	71
29	Transesterification of ethyl butyrate with methanol using MgO/CaO catalysts. Journal of Molecular Catalysis A, 2009, 300, 19-24.	4.8	68
30	Glycerol valorization by etherification to polyglycerols by using metal oxides derived from MgFe hydrotalcites. Applied Catalysis A: General, 2014, 470, 199-207.	4.3	68
31	Mesoporous tantalum oxide as catalyst for dehydration of glucose to 5-hydroxymethylfurfural. Applied Catalysis B: Environmental, 2014, 154-155, 190-196.	20.2	66
32	Niobium-containing MCM-41 silica catalysts for biodiesel production. Applied Catalysis B: Environmental, 2011, 108-109, 161-167.	20.2	64
33	Dehydration of d-xylose to furfural using different supported niobia catalysts. Applied Catalysis B: Environmental, 2014, 152-153, 1-10.	20.2	63
34	Mesoporous Nb2O5 as solid acid catalyst for dehydration of d-xylose into furfural. Catalysis Today, 2014, 234, 119-124.	4.4	62
35	Hydrogenation and Ring-Opening of Tetralin on Ni and NiMo Supported on Alumina-Pillared Î±-Zirconium Phosphate Catalysts. A Thiotolerance Study. Journal of Catalysis, 2001, 203, 122-132.	6.2	61
36	Calcium zincate as precursor of active catalysts for biodiesel production under mild conditions. Applied Catalysis B: Environmental, 2009, 91, 339-346.	20.2	61

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37	Hydrogenation and Ring Opening of Tetralin on Supported Nickel Zirconium-Doped Mesoporous Silica Catalysts. Influence of the Nickel Precursor. Langmuir, 2003, 19, 4985-4991.	3.5	60
38	Influence of the niobium supported species on the catalytic dehydration of glycerol to acrolein. Applied Catalysis B: Environmental, 2015, 179, 139-149.	20.2	60
39	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. Catalysis Science and Technology, 2020, 10, 2721-2757.	4.1	60
40	Zirconium doped MCM-41 supported WO3 solid acid catalysts for the esterification of oleic acid with methanol. Applied Catalysis A: General, 2010, 379, 61-68.	4.3	59
41	Zirconium doped mesoporous silica catalysts for dehydration of glycerol to high added-value products. Applied Catalysis A: General, 2012, 433-434, 179-187.	4.3	59
42	Sorption kinetics and diffusion of cadmium in calcium hydroxyapatites. Solid State Sciences, 1999, 1, 71-83.	3.2	53
43	A new low-cost synthetic route to obtain zirconium containing mesoporous silica. Microporous and Mesoporous Materials, 2004, 75, 23-32.	4.4	53
44	Hydrogenation and ring opening of tetralin on noble metal supported on zirconium doped mesoporous silica catalysts. Applied Catalysis A: General, 2004, 260, 9-18.	4.3	52
45	Base Catalysts Derived from Hydrocalumite for the Transesterification of Sunflower Oil. Energy & Fuels, 2010, 24, 979-984.	5.1	52
46	Effect of the treatment with H3PO4 on the catalytic activity of Nb2O5 supported on Zr-doped mesoporous silica catalyst. Case study: Glycerol dehydration. Applied Catalysis B: Environmental, 2018, 221, 158-168.	20.2	52
47	Biodiesel production from sunflower oil by tungsten oxide supported on zirconium doped MCM-41 silica. Journal of Molecular Catalysis A, 2011, 335, 205-209.	4.8	50
48	Nickel supported on porous silica as catalysts for the gas-phase hydrogenation of acetonitrile. Journal of Catalysis, 2004, 225, 479-488.	6.2	49
49	Selective Production of 2â€Methylfuran by Gasâ€Phase Hydrogenation of Furfural on Copper Incorporated by Complexation in Mesoporous Silica Catalysts. ChemSusChem, 2017, 10, 1448-1459.	6.8	49
50	Porous chromia-pillared Î±-zirconium phosphate materials prepared via colloid methods. Journal of Materials Chemistry, 1991, 1, 739-746.	6.7	47
51	Calcined zirconium sulfate supported on MCM-41 silica as acid catalyst for ethanolysis of sunflower oil. Applied Catalysis B: Environmental, 2011, 103, 91-98.	20.2	47
52	Title is missing!. Catalysis Letters, 2000, 64, 209-214.	2.6	46
53	Calcium hydroxyapatites: evaluation of sorption properties for cadmium ions in aqueous solution. Journal of Materials Science, 1998, 33, 5433-5439.	3.7	45
54	Liquid phase acetophenone hydrogenation on Ru/Cr/B catalysts supported on silica. Journal of Molecular Catalysis A, 2002, 188, 133-139.	4.8	43

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55	Selective Furfural Hydrogenation to Furfuryl Alcohol Using Cu-Based Catalysts Supported on Clay Minerals. Topics in Catalysis, 2017, 60, 1040-1053.	2.8	42
56	Selective Production of Furan from Gas-Phase Furfural Decarbonylation on Ni-MgO Catalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 7676-7685.	6.7	42
57	Nickel-impregnated zirconium-doped mesoporous molecular sieves as catalysts for the hydrogenation and ring-opening of tetralin. Applied Catalysis A: General, 2003, 240, 83-94.	4.3	40
58	Promotion effect of Ce or Zn oxides for improving furfuryl alcohol yield in the furfural hydrogenation using inexpensive Cu-based catalysts. Molecular Catalysis, 2018, 455, 121-131.	2.0	40
59	Porous cross-linked materials formed by oligomeric aluminium hydroxides and Î±-tin phosphate. Journal of Materials Chemistry, 1991, 1, 319-326.	6.7	39
60	V and Vâ€“P containing Zr-SBA-15 catalysts for dehydration of glycerol to acrolein. Catalysis Today, 2015, 254, 43-52.	4.4	38
61	WO3 supported on Zr doped mesoporous SBA-15 silica for glycerol dehydration to acrolein. Applied Catalysis A: General, 2016, 516, 30-40.	4.3	37
62	Proton conductivity of mesoporous MCM type of zirconium and titanium phosphates. Solid State Ionics, 1999, 125, 407-410.	2.7	36
63	Dehydration of sorbitol to isosorbide over sulfonic acid resins under solvent-free conditions. Applied Catalysis A: General, 2017, 537, 66-73.	4.3	36
64	Nickel Phosphide/Silica Catalysts for the Gasâ€Phase Hydrogenation of Furfural to Highâ€“Addedâ€“Value Chemicals. ChemCatChem, 2017, 9, 2881-2889.	3.7	36
65	Porous chromia-pillared Î±-tin phosphate materials. Journal of Solid State Chemistry, 1991, 94, 368-380.	2.9	35
66	Nickel oxide supported on zirconium-doped mesoporous silica for selective catalytic reduction of NO with NH3. Journal of Materials Chemistry, 2002, 12, 3331-3336.	6.7	35
67	Aluminum doped SBA-15 silica as acid catalyst for the methanolysis of sunflower oil. Applied Catalysis B: Environmental, 2011, 105, 199-205.	20.2	34
68	Optimization of nickel loading of mixed oxide catalyst ex -hydrotalcite for H 2 production by methane decomposition. Applied Catalysis A: General, 2017, 548, 71-82.	4.3	34
69	Cobalt supported on zirconium doped mesoporous silica: a selective catalyst for reduction of NO with ammonia at low temperatures. Applied Catalysis B: Environmental, 2002, 38, 51-60.	20.2	33
70	Dehydration of xylose to furfural using a Lewis or BrÃ¶nsted acid catalyst and N2 stripping. Chinese Journal of Catalysis, 2013, 34, 1402-1406.	14.0	33
71	Chromia Pillaring in .alpha.-Zirconium Phosphate: A Structural Investigation Using X-Ray Absorption Spectroscopy. Inorganic Chemistry, 1995, 34, 4611-4617.	4.0	32
72	Calcium zincate derived heterogeneous catalyst for biodiesel production by ethanolysis. Fuel, 2013, 105, 518-522.	6.4	32

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73	Evaluation of the ZrO2/Al2O3 system as catalysts in the catalytic transfer hydrogenation of furfural to obtain furfuryl alcohol. Applied Catalysis A: General, 2021, 609, 117905.	4.3	32
74	Catalytic transfer hydrogenation of furfural to furfuryl alcohol over calcined MgFe hydrotalcites. Applied Clay Science, 2019, 183, 105351.	5.2	31
75	Layered basic copper anion exchangers: chemical characterisation and X-ray absorption study. Journal of Materials Chemistry, 1993, 3, 303-307.	6.7	30
76	Selective catalytic reduction of NO by propane on copper containing alumina pillared Î±-zirconium phosphates. Applied Catalysis B: Environmental, 2001, 29, 1-11.	20.2	30
77	Solâ”Gel Synthesis of Dodecyltrimethylammonium-Expanded Zirconium Phosphate and Its Application to the Preparation of Acidic Porous Oligomeric Gallium(III)-Exchanged Materials. Langmuir, 1997, 13, 2857-2862.	3.5	28
78	Si/Zr mesoporous catalysts for the vapour phase synthesis of alkylindoles. Applied Catalysis A: General, 2001, 220, 105-112.	4.3	28
79	Effects of preparation method and sulfur poisoning on the hydrogenation and ring opening of tetralin on NiW/zirconium-doped mesoporous silica catalysts. Journal of Catalysis, 2003, 220, 457-467.	6.2	28
80	Evaluation of the acid properties of porous zirconium-doped and undoped silica materials. Journal of Solid State Chemistry, 2006, 179, 2182-2189.	2.9	28
81	Pillared Clays Prepared from the Reaction of Chromium Acetate with Montmorillonite. Clays and Clay Minerals, 1993, 41, 328-334.	1.3	27
82	Gas-phase hydrogenation of acetonitrile on zirconium-doped mesoporous silica-supported nickel catalysts. Journal of Molecular Catalysis A, 2003, 193, 185-196.	4.8	27
83	Gas-phase hydrogenation of acetonitrile over Pt and Ptâ€“Pd supported on mesoporous solids: influence of the metallic precursor. Applied Catalysis A: General, 2005, 288, 34-42.	4.3	27
84	Influence of Structure-modifying Agents in the Synthesis of Zr-doped SBA-15 Silica and Their Use as Catalysts in the Furfural Hydrogenation to Obtain High Value-added Products through the Meerwein-Ponndorf-Verley Reduction. International Journal of Molecular Sciences, 2019, 20, 828.	4.1	25
85	Nano/nanocomposite systems: in situ growth of particles and clusters of semiconductor metal sulfides in porous silica-pillared layered phosphates. Journal of Materials Chemistry, 1994, 4, 189-195.	6.7	24
86	Direct Conversion of Levulinic Acid into Valeric Biofuels Using Pd Supported Over Zeolites as Catalysts. Topics in Catalysis, 2019, 62, 579-588.	2.8	24
87	Quantum size effects induced by confinement of C60 in MCM41. Solid State Communications, 1996, 100, 237-240.	1.9	23
88	Surface chemistry of chromia-pillared tin and zirconium phosphate materials: an X-ray photoelectron spectroscopic study. Journal of Materials Chemistry, 1992, 2, 1175.	6.7	22
89	Mesoporous tantalum phosphate as acidic catalyst for the methanolysis of sunflower oil. Applied Catalysis B: Environmental, 2012, 123-124, 316-323.	20.2	22
90	The first high specific surface area, pillared, layered phosphate with a narrow pore size distribution. Journal of the Chemical Society Chemical Communications, 1989, , 751.	2.0	21

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91	Superficial characterization and hydroconversion of tetralin over NiW sulfide catalysts supported on zirconium doped mesoporous silica. Applied Catalysis A: General, 2004, 262, 111-120.	4.3	20
92	Mixed aluminaâ€“chromia pillared layered Î±-zirconium phosphate. Journal of Materials Chemistry, 1994, 4, 179-184.	6.7	19
93	MAS-NMR Study of Pillared .alpha.-Tin and .alpha.-Zirconium Phosphates with Aluminum Oligomers. The Journal of Physical Chemistry, 1995, 99, 1491-1497.	2.9	18
94	Preparation of stable sulfated zirconia by thermal activation from a zirconium doped mesoporous MCM-41 silica: Application to the esterification of oleic acid with methanol. Fuel Processing Technology, 2012, 97, 65-70.	7.2	18
95	Influence of the Incorporation of Basic or Amphoteric Oxides on the Performance of Cu-Based Catalysts Supported on Sepiolite in Furfural Hydrogenation. Catalysts, 2019, 9, 315.	3.5	18
96	The Key Role of Textural Properties of Aluminosilicates in the Acidâ€Catalysed Dehydration of Glucose into 5â€Hydroxymethylfurfural. ChemistrySelect, 2017, 2, 2444-2451.	1.5	17
97	Synergistic effect between CaCl2 and Î³-Al2O3 for furfural production by dehydration of hemicellulosic carbohydrates. Applied Catalysis A: General, 2019, 585, 117188.	4.3	17
98	Semi-continuous mechanochemical process for biodiesel production under heterogeneous catalysis using calcium diglyceroxide. Renewable Energy, 2020, 159, 117-126.	8.9	17
99	Gas-phase hydrogenation of acetonitrile over nickel supported on alumina- and mixed alumina/gallium oxide-pillared tin phosphate catalysts. Journal of Molecular Catalysis A, 2001, 168, 279-287.	4.8	16
100	Title is missing!. Catalysis Letters, 2002, 82, 205-212.	2.6	16
101	Influence of the metallic precursor in the hydrogenation of tetralin over Pdâ€“Pt supported zirconium doped mesoporous silica. Green Chemistry, 2005, 7, 793.	9.0	16
102	Al-SBA-15 as a support of catalysts based on chromium sulfide for sulfur removal. Catalysis Today, 2009, 143, 137-144.	4.4	16
103	Ni supported on sepiolite catalysts for the hydrogenation of furfural to value-added chemicals: influence of the synthesis method on the catalytic performance. Topics in Catalysis, 2019, 62, 535-550.	2.8	16
104	Continuous-Flow Methyl Methacrylate Synthesis over Gallium-Based Bifunctional Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1790-1803.	6.7	16
105	Tailoring the selectivity of Cu-based catalysts in the furfural hydrogenation reaction: Influence of the morphology of the silica support. Fuel, 2022, 319, 123827.	6.4	16
106	Methanolysis of sunflower oil catalyzed by acidic Ta2O5 supported on SBA-15. Applied Catalysis A: General, 2011, 405, 93-100.	4.3	15
107	Selective Conversion of Glucose to 5-Hydroxymethylfurfural by Using L-Type Zeolites with Different Morphologies. Catalysts, 2019, 9, 1073.	3.5	15
108	Gas-Phase Hydrogenation of Furfural to Furfuryl Alcohol over Cu-ZnO-Al2O3 Catalysts Prepared from Layered Double Hydroxides. Catalysts, 2020, 10, 486.	3.5	15

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109	Formation of polypyrrole chains in alumina and chromia-pillared layered phosphates. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1992, 14, 327-337.	1.6	14
110	Gas phase hydrogenation of furfural to obtain valuable products using commercial Cr-free catalysts as an environmentally sustainable alternative to copper chromite. Journal of Environmental Chemical Engineering, 2021, 9, 105468.	6.7	14
111	Morphological effects on catalytic performance of LTL zeolites in acylation of 2-methylfuran enhanced by non-microwave instant heating. Materials Chemistry and Physics, 2020, 244, 122688.	4.0	14
112	Factors Influencing on the Surface Properties of Chromia-Pillared Î±-Zirconium Phosphate Materials. Langmuir, 1998, 14, 4017-4024.	3.5	13
113	Vapor Phase Decarbonylation of Furfural to Furan over Nickel Supported on SBA-15 Silica Catalysts. Modern Research in Catalysis, 2016, 05, 85-94.	1.7	13
114	Cobalt-based alumina pillared zirconium phosphate catalysts for the selective catalytic reduction of NO by propane. Chemosphere, 2002, 48, 467-474.	8.2	12
115	Hydrogenation of tetralin over mixed PtMo supported on zirconium doped mesoporous silica: Use of polynuclear organometallic precursors. Journal of Molecular Catalysis A, 2006, 252, 31-39.	4.8	12
116	Porous Fluorinated Aluminum and Mixed Gallium/Aluminum Oxide Pillared Tin Phosphate Materials with Acid Properties. Journal of Physical Chemistry B, 1998, 102, 1672-1678.	2.6	11
117	Preparation, characterization and catalytic applications of ZrO2 supported on low cost SBA-15. Adsorption, 2011, 17, 527-538.	3.0	11
118	Intercalation of aromatic amines into Î±-tin(IV) hydrogenphosphate monohydrate. Canadian Journal of Chemistry, 1989, 67, 2095-2101.	1.1	10
119	Porous SiO₂ Nanospheres Modified with ZrO₂ and Their Use in One-Pot Catalytic Processes to Obtain Value-Added Chemicals from Furfural. Industrial & Engineering Chemistry Research, 2021, 60, 18791-18805.	3.7	10
120	Electrical conductivity of alumina-pillared Î±-tin phosphate. Solid State Ionics, 1993, 61, 139-142.	2.7	9
121	Copper supported on mixed alumina/gallium oxide pillared Î±-tin phosphate for De-NOx applications. Green Chemistry, 2001, 3, 289-295.	9.0	9
122	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
123	The role of nitride species in the gas-phase furfural hydrogenation activity of supported nickel catalysts. Molecular Catalysis, 2020, 487, 110889.	2.0	9
124	Synthesis and Characterization of Novel Alumina-Pillared Î³-Zirconium Phosphates. Langmuir, 2001, 17, 3769-3775.	3.5	8
125	REALCAT: A New Platform to Bring Catalysis to the Lightspeed. Oil and Gas Science and Technology, 2015, 70, 455-462.	1.4	8
126	Porous Silicon-Based Catalysts for the Dehydration of Glycerol to High Value-Added Products. Materials, 2018, 11, 1569.	2.9	8

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127	Hopping conductivity in lithium-exchanged pillared layered tin phosphate materialsâ˜†. Solid State Ionics, 1994, 73, 67-73.	2.7	7
128	PdO Supported on TiO₂ for the Oxidative Condensation of Furfural with Ethanol: Insights on Reactivity and Product Selectivity. ACS Sustainable Chemistry and Engineering, 2021, 9, 10100-10112.	6.7	7
129	Ultrasmall Cs-AlMCM-41 basic catalysts: Effects of aluminum addition on their physico-chemical and catalytic properties. Microporous and Mesoporous Materials, 2019, 288, 109599.	4.4	6
130	Oxidative Condensation of Furfural with Ethanol Using Pd-Based Catalysts: Influence of the Support. Catalysts, 2020, 10, 1309.	3.5	6
131	Catalytic Activity of Mixed Al2O3-ZrO2 Oxides for Glucose Conversion into 5-Hydroxymethylfurfural. Catalysts, 2020, 10, 878.	3.5	6
132	Recovery of pentoses-containing olive stones for their conversion into furfural in the presence of solid acid catalysts. Chemical Engineering Research and Design, 2020, 143, 1-13.	5.6	6
133	Influence of morphology of zirconium-doped mesoporous silicas on 5-hydroxymethylfurfural production from mono-, di- and polysaccharides. Catalysis Today, 2021, 367, 297-309.	4.4	6
134	Influence of Lewis acidity and CaCl2 on the direct transformation of glucose to 5-hydroxymethylfurfural. Molecular Catalysis, 2021, 510, 111685.	2.0	6
135	Highly efficient non-microwave instant heating synthesis of hexyl levulinate fuel additive enhanced by sulfated nanosilica catalyst. Microporous and Mesoporous Materials, 2022, 331, 111645.	4.4	6
136	Synthesis of Porous Clay Heterostructures Modified with SiO₂â€“ZrO₂ Nanoparticles for the Valorization of Furfural in Oneâ€Pot Process. Advanced Sustainable Systems, 2022, 6, .	5.3	6
137	Propane dehydrogenation on mesoporous chromium-containing silica catalysts. Studies in Surface Science and Catalysis, 1998, , 903-910.	1.5	5
138	Insertion of Gallium Oxide into Î±-Titanium Phosphate Using a Surfactant Expanded Phase as Precursor. Journal of Solid State Chemistry, 1999, 147, 664-670.	2.9	5
139	The relevance of Lewis acid sites on the gas phase reaction of levulinic acid into ethyl valerate using CoSBA-xAl bifunctional catalysts. Catalysis Science and Technology, 2021, 11, 4280-4293.	4.1	5
140	New Cross-Linked Layered Tin Phosphate Exchangers. , 1990, , 95-101.		5
141	Sol-gel synthesis of surfactant-expanded layered titanium phosphates. Molecular Crystals and Liquid Crystals, 1998, 311, 257-262.	0.3	4
142	Synthesis of catalysts by pyrolysis of Cu-chitosan complexes and their evaluation in the hydrogenation of furfural to value-added products. Molecular Catalysis, 2021, 512, 111774.	2.0	4
143	Oxide-Pillared Layered Î±-Metal(IV) Hydrogen Phosphates. , 1993, , 273-287.		4
144	Chromium-impregnated mesoporous silica as catalysts for the oxidative dehydrogenation of propane. Studies in Surface Science and Catalysis, 2000, 130, 1865-1870.	1.5	3

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145	Oxidative condensation/esterification of furfural with ethanol using preformed Au colloidal nanoparticles. Impact of stabilizer and heat treatment protocols on catalytic activity and stability. Molecular Catalysis, 2022, 528, 112438.	2.0	3
146	Intercalates of ?-Sn(HP04)2ï¿½H2O with aromatic and heterocyclic bases and some comments on their orientation in the interlayer region. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1990, 9, 207-217.	1.6	2
147	Dielectric properties of Li+-exchanged mixed Feî—¸Cr oxide pillared phosphate. Journal of Alloys and Compounds, 1997, 262-263, 281-286.	5.5	2
148	Mineralizer effects on the physicochemical and catalytic properties of AlMCM-41 mesoporous materials. Microporous and Mesoporous Materials, 2020, 297, 110016.	4.4	2
149	2-MeTHF. , 2021, , 75-98.		2
150	Sur lâ€™orientation de molÃ©cules basiques dans lâ€™espace interlamellaire du phosphate dâ€™Ã©tain. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1991, 88, 2007-2012.	0.2	2
151	Ion Transport in Alumina-Pillared Zirconium Phosphate. Materials Research Society Symposia Proceedings, 1992, 286, 347.	0.1	1
152	Electrical Conductivity in Mesoporous and Microporous Pillared Layered Phosphate Structures. Materials Research Society Symposia Proceedings, 1994, 371, 175.	0.1	1
153	Electrical conductivity of chromia-pillared Î±-zirconium phosphate. Journal of Alloys and Compounds, 1997, 262-263, 287-291.	5.5	1
154	Amination of Furfural. Sustainable Chemistry Series, 2018, , 191-196.	0.1	1
155	INFLUENCE OF SURFACTANT REMOVAL PROCEDURE ON STRUCTURAL, TEXTURAL AND ACID PROPERTIES OF A MESOPOROUS FORM OF ZIRCONIUM PHOSPHATE. Phosphorus Research Bulletin, 1999, 10, 460-465.	0.6	0
156	Microbial Degradation of Lignocellulosic Biomass to Obtain High Value-Added Products. Environmental and Microbial Biotechnology, 2021, , 283-314.	0.7	0
157	BIODIESEL PRODUCTION BY HETEROGENEOUS CATALYSIS IN THE PRESENCE OF CaO SUPPORTED ON MESOPOROUS SILICA. , 2008, , .		0
158	Tetrahydrofurfuryl Alcohol and Derivatives. Sustainable Chemistry Series, 2018, , 79-89.	0.1	0
159	Furfuryl Alcohol and Derivatives. Sustainable Chemistry Series, 2018, , 55-78.	0.1	0
160	Production of Biofuels by 5-Hydroxymethylfurfural Etherification Using Ion-Exchange Resins as Solid Acid Catalysts. , 2020, 2, .		0