

Juan Antonio Cecilia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/355342/publications.pdf>

Version: 2024-02-01

145
papers

5,072
citations

81743

39
h-index

110170

64
g-index

148
all docs

148
docs citations

148
times ranked

5253
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan: A Natural Biopolymer with a Wide and Varied Range of Applications. <i>Molecules</i> , 2020, 25, 3981.	1.7	246
2	A novel method for preparing an active nickel phosphide catalyst for HDS of dibenzothiophene. <i>Journal of Catalysis</i> , 2009, 263, 4-15.	3.1	214
3	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.	3.1	214
4	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.	10.8	185
5	Gas-phase hydrogenation of furfural to furfuryl alcohol over Cu/ZnO catalysts. <i>Journal of Catalysis</i> , 2016, 336, 107-115.	3.1	180
6	Characterization of calcium oxide catalysts from natural sources and their application in the transesterification of sunflower oil. <i>Bioresource Technology</i> , 2014, 151, 207-213.	4.8	169
7	An Overview of the Biolubricant Production Process: Challenges and Future Perspectives. <i>Processes</i> , 2020, 8, 257.	1.3	116
8	Characterization and application of dolomite as catalytic precursor for canola and sunflower oils for biodiesel production. <i>Chemical Engineering Journal</i> , 2015, 269, 35-43.	6.6	101
9	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.	10.8	97
10	CO ₂ adsorption on amine modified mesoporous silicas: Effect of the progressive disorder of the honeycomb arrangement. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 172-183.	2.2	96
11	Ni ₂ P and CoP catalysts prepared from phosphite-type precursors for HDS and HDN competitive reactions. <i>Applied Catalysis A: General</i> , 2010, 390, 253-263.	2.2	90
12	Selective production of furfuryl alcohol from furfural by catalytic transfer hydrogenation over commercial aluminas. <i>Applied Catalysis A: General</i> , 2018, 556, 1-9.	2.2	87
13	Adsorption study of reactive dyes onto porous clay heterostructures. <i>Applied Clay Science</i> , 2017, 135, 35-44.	2.6	80
14	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.	2.1	79
15	CO ₂ adsorption on APTES functionalized mesocellular foams obtained from mesoporous silicas. <i>Microporous and Mesoporous Materials</i> , 2014, 187, 125-134.	2.2	73
16	Gas-phase hydrogenation of furfural over Cu/CeO ₂ catalysts. <i>Catalysis Today</i> , 2017, 279, 327-338.	2.2	73
17	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.	1.5	72
18	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

#	ARTICLE	IF	CITATIONS
19	Evaluation of porous clay heterostructures modified with amine species as adsorbent for the CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 25-33.	2.2	63
20	Influence of the niobium supported species on the catalytic dehydration of glycerol to acrolein. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 139-149.	10.8	60
21	Evaluation of two fibrous clay minerals (sepiolite and palygorskite) for CO ₂ Capture. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4573-4587.	3.3	60
22	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. <i>Catalysis Science and Technology</i> , 2020, 10, 2721-2757.	2.1	60
23	Functionalization of hollow silica microspheres by impregnation or grafted of amine groups for the CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2016, 52, 344-356.	2.3	59
24	Montmorillonite based porous clay heterostructures: Influence of Zr in the structure and acidic properties. <i>Microporous and Mesoporous Materials</i> , 2013, 176, 95-102.	2.2	57
25	CuO-CeO ₂ supported on montmorillonite-derived porous clay heterostructures (PCH) for preferential CO oxidation in H ₂ -rich stream. <i>Catalysis Today</i> , 2015, 253, 126-136.	2.2	57
26	Influences of winery "distillery waste compost stability and soil type on soil carbon dynamics in amended soils. <i>Waste Management</i> , 2010, 30, 1966-1975.	3.7	56
27	Synthesis of biolubricants by the esterification of free fatty acids from castor oil with branched alcohols using cationic exchange resins as catalysts. <i>Industrial Crops and Products</i> , 2017, 104, 52-61.	2.5	55
28	Microwave assisted acid treatment of sepiolite: The role of composition and "crystallinity". <i>Applied Clay Science</i> , 2014, 102, 15-27.	2.6	52
29	Synthesis, Characterization, Uses and Applications of Porous Clays Heterostructures: A Review. <i>Chemical Record</i> , 2018, 18, 1085-1104.	2.9	52
30	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.	10.8	52
31	CO ₂ Adsorption of Materials Synthesized from Clay Minerals: A Review. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 514.	0.8	51
32	Selective Production of 2-Methylfuran by Gas-Phase Hydrogenation of Furfural on Copper Incorporated by Complexation in Mesoporous Silica Catalysts. <i>ChemSusChem</i> , 2017, 10, 1448-1459.	3.6	49
33	"Low Cost" Pore Expanded SBA-15 Functionalized with Amine Groups Applied to CO ₂ Adsorption. <i>Materials</i> , 2015, 8, 2495-2513.	1.3	48
34	The effect of structure modifying agents in the SBA-15 for its application in the biomolecules adsorption. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 53-64.	2.2	48
35	Porous clays heterostructures as supports of iron oxide for environmental catalysis. <i>Chemical Engineering Journal</i> , 2018, 334, 1159-1168.	6.6	48
36	Microwave-assisted nitric acid treatment of sepiolite and functionalization with polyethylenimine applied to CO ₂ capture and CO ₂ /N ₂ separation. <i>Applied Surface Science</i> , 2017, 410, 315-325.	3.1	43

#	ARTICLE	IF	CITATIONS
37	Selective Furfural Hydrogenation to Furfuryl Alcohol Using Cu-Based Catalysts Supported on Clay Minerals. <i>Topics in Catalysis</i> , 2017, 60, 1040-1053.	1.3	42
38	Selective Production of Furan from Gas-Phase Furfural Decarbonylation on Ni-MgO Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7676-7685.	3.2	42
39	Comparative study of CuO supported on CeO ₂ , Ce _{0.8} Zr _{0.2} O ₂ and Ce _{0.8} Al _{0.2} O ₂ based catalysts in the CO-PROX reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4102-4108.	3.8	41
40	Promotion effect of Ce or Zn oxides for improving furfuryl alcohol yield in the furfural hydrogenation using inexpensive Cu-based catalysts. <i>Molecular Catalysis</i> , 2018, 455, 121-131.	1.0	40
41	Total Oxidation of Propane Using CeO ₂ and CuO-CeO ₂ Catalysts Prepared Using Templates of Different Nature. <i>Catalysts</i> , 2017, 7, 96.	1.6	39
42	V and Vâ€P containing Zr-SBA-15 catalysts for dehydration of glycerol to acrolein. <i>Catalysis Today</i> , 2015, 254, 43-52.	2.2	38
43	The influence of promoters (Zr, La, Tb, Pr) on the catalytic performance of CuO-CeO ₂ systems for the preferential oxidation of CO in the presence of CO ₂ and H ₂ O. <i>Catalysis Today</i> , 2015, 253, 115-125.	2.2	38
44	Effectiveness of microwave assisted acid treatment on dioctahedral and trioctahedral smectites. The influence of octahedral composition. <i>Applied Clay Science</i> , 2016, 120, 70-80.	2.6	38
45	Nickel oxide supported on porous clay heterostructures as selective catalysts for the oxidative dehydrogenation of ethane. <i>Catalysis Science and Technology</i> , 2016, 6, 3419-3429.	2.1	38
46	WO ₃ supported on Zr doped mesoporous SBA-15 silica for glycerol dehydration to acrolein. <i>Applied Catalysis A: General</i> , 2016, 516, 30-40.	2.2	37
47	Relevance of the Physicochemical Properties of Calcined Quail Eggshell (CaO) as a Catalyst for Biodiesel Production. <i>Journal of Chemistry</i> , 2017, 2017, 1-12.	0.9	37
48	Nickel Phosphide/Silica Catalysts for the Gasâ€Phase Hydrogenation of Furfural to Highâ€Addedâ€Value Chemicals. <i>ChemCatChem</i> , 2017, 9, 2881-2889.	1.8	36
49	Natural and Modified Montmorillonite Clays as Catalysts for Synthesis of Biolubricants. <i>Materials</i> , 2018, 11, 1764.	1.3	36
50	Insights into CO ₂ adsorption in amino-functionalized SBA-15 synthesized at different aging temperature. <i>Adsorption</i> , 2020, 26, 225-240.	1.4	36
51	Graphene-Based Monolithic Nanostructures for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8612-8621.	1.8	36
52	WO ₃ -based catalysts supported on porous clay heterostructures (PCH) with Siâ€Zr pillars for synthetic esters production. <i>Applied Clay Science</i> , 2016, 124-125, 69-78.	2.6	35
53	Support effects on NiO-based catalysts for the oxidative dehydrogenation (ODH) of ethane. <i>Catalysis Today</i> , 2019, 333, 10-16.	2.2	35
54	Ni and Fe mixed phosphides catalysts for O-removal of a bio-oil model molecule from lignocellulosic biomass. <i>Molecular Catalysis</i> , 2017, 437, 130-139.	1.0	33

#	ARTICLE	IF	CITATIONS
55	Gas phase catalytic hydrodechlorination of chlorobenzene over cobalt phosphide catalysts with different P contents. <i>Journal of Hazardous Materials</i> , 2013, 260, 167-175.	6.5	32
56	Vanadium oxide supported on porous clay heterostructure for the partial oxidation of hydrogen sulphide to sulfur. <i>Catalysis Today</i> , 2015, 254, 36-42.	2.2	32
57	Evaluation of the ZrO ₂ /Al ₂ O ₃ system as catalysts in the catalytic transfer hydrogenation of furfural to obtain furfuryl alcohol. <i>Applied Catalysis A: General</i> , 2021, 609, 117905.	2.2	32
58	Catalytic transfer hydrogenation of furfural to furfuryl alcohol over calcined MgFe hydrotalcites. <i>Applied Clay Science</i> , 2019, 183, 105351.	2.6	31
59	Enhanced HDO activity of Ni ₂ P promoted with noble metals. <i>Catalysis Science and Technology</i> , 2016, 6, 7323-7333.	2.1	30
60	Freeze-dried Co ₃ O ₄ @CeO ₂ catalysts for the preferential oxidation of CO with the presence of CO ₂ and H ₂ O in the feed. <i>Ceramics International</i> , 2016, 42, 7462-7474.	2.3	30
61	CO ₂ /CH ₄ adsorption separation process using pore expanded mesoporous silicas functionalized by APTES grafting. <i>Adsorption</i> , 2015, 21, 565-575.	1.4	29
62	Assessment of commercial resins in the biolubricants production from free fatty acids of castor oil. <i>Catalysis Today</i> , 2017, 279, 274-285.	2.2	29
63	Glycerol oligomers production by etherification using calcined eggshell as catalyst. <i>Molecular Catalysis</i> , 2017, 433, 282-290.	1.0	28
64	Mesoporous Materials: From Synthesis to Applications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3213.	1.8	27
65	Catalytic Behaviour of CuO-CeO ₂ Systems Prepared by Different Synthetic Methodologies in the CO-PROX Reaction under CO ₂ -H ₂ O Feed Stream. <i>Catalysts</i> , 2017, 7, 160.	1.6	26
66	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. <i>International Journal of Molecular Sciences</i> , 2019, 20, 828.	1.8	25
67	Catalytic performance of CoMo/Al ₂ O ₃ -MgO-Li(x) formulations in DBT hydrodesulfurization. <i>Catalysis Today</i> , 2016, 271, 35-44.	2.2	24
68	Selective Oxidation of Hydrogen Sulfide to Sulfur Using Vanadium Oxide Supported on Porous Clay Heterostructures (PCHs) Formed by Pillars Silica, Silica-Zirconia or Silica-Titania. <i>Materials</i> , 2018, 11, 1562.	1.3	24
69	Lignin Depolymerization to BTXs. <i>Topics in Current Chemistry</i> , 2019, 377, 26.	3.0	24
70	Industrial Food Waste Valorization: A General Overview. , 2019, , 253-277.		24
71	Direct Conversion of Levulinic Acid into Valeric Biofuels Using Pd Supported Over Zeolites as Catalysts. <i>Topics in Catalysis</i> , 2019, 62, 579-588.	1.3	24
72	Characterization and performance in preferential oxidation of CO of CuO@CeO ₂ catalysts synthesized using polymethyl metacrylate (PMMA) as template. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11254-11260.	3.8	23

#	ARTICLE	IF	CITATIONS
73	Influence of the synthetic conditions on the composition, morphology of CuMgAl hydrotalcites and their use as catalytic precursor in diesel soot combustion reactions. <i>Applied Clay Science</i> , 2018, 157, 148-157.	2.6	23
74	Influence of buffer solutions in the adsorption of human serum proteins onto layered double hydroxide. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 396-409.	3.6	23
75	Carbon dioxide adsorption on micro-mesoporous composite materials of ZSM-12/MCM-48 type: The role of the contents of zeolite and functionalized amine. <i>Materials Research Bulletin</i> , 2015, 70, 663-672.	2.7	22
76	Glycerol Oligomerization Using Low Cost Dolomite Catalyst. <i>Waste and Biomass Valorization</i> , 2020, 11, 1499-1512.	1.8	22
77	Production of biolubricants from soybean oil: Studies for an integrated process with the current biodiesel industry. <i>Chemical Engineering Research and Design</i> , 2021, 165, 456-466.	2.7	22
78	Calcium/chitosan spheres as catalyst for biodiesel production. <i>Polymer International</i> , 2015, 64, 242-249.	1.6	19
79	Adsorption behavior of bovine serum albumin on Zn-Al and Mg-Al layered double hydroxides. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 748-758.	1.1	19
80	Hydrodesulfurization of dibenzothiophene over PtMo/MCM-48 catalysts. <i>Catalysis Communications</i> , 2015, 69, 217-222.	1.6	18
81	Influence of the Incorporation of Basic or Amphoteric Oxides on the Performance of Cu-Based Catalysts Supported on Sepiolite in Furfural Hydrogenation. <i>Catalysts</i> , 2019, 9, 315.	1.6	18
82	CoxPy Catalysts in HDO of Phenol and Dibenzofuran: Effect of P content. <i>Topics in Catalysis</i> , 2017, 60, 1094-1107.	1.3	17
83	Synergistic effect between CaCl ₂ and γ-Al ₂ O ₃ for furfural production by dehydration of hemicellulosic carbohydrates. <i>Applied Catalysis A: General</i> , 2019, 585, 117188.	2.2	17
84	Fe ₂ O ₃ supported on hollow micro/mesospheres silica for the catalytic partial oxidation of H ₂ S to sulfur. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109875.	2.2	17
85	Tuning Ca-Al-based catalysts™ composition to isomerize or epimerize glucose and other sugars. <i>Green Chemistry</i> , 2020, 22, 1393-1405.	4.6	17
86	Hydrodechlorination of polychlorinated molecules using transition metal phosphide catalysts. <i>Journal of Hazardous Materials</i> , 2015, 296, 112-119.	6.5	16
87	Amino-modified pillared adsorbent from water-treatment solid wastes applied to CO ₂ /N ₂ separation. <i>Adsorption</i> , 2017, 23, 405-421.	1.4	16
88	Influence of pore size and loading for Nb ₂ O ₅ /SBA-15 catalysts on synthetic ester production from free fatty acids of castor oil. <i>Molecular Catalysis</i> , 2017, 436, 267-275.	1.0	16
89	Ni supported on sepiolite catalysts for the hydrogenation of furfural to value-added chemicals: influence of the synthesis method on the catalytic performance. <i>Topics in Catalysis</i> , 2019, 62, 535-550.	1.3	16
90	Tailoring the selectivity of Cu-based catalysts in the furfural hydrogenation reaction: Influence of the morphology of the silica support. <i>Fuel</i> , 2022, 319, 123827.	3.4	16

#	ARTICLE	IF	CITATIONS
91	Assessing CO ₂ Adsorption on Amino-Functionalized Mesocellular Foams Synthesized at Different Aging Temperatures. <i>Frontiers in Chemistry</i> , 2020, 8, 591766.	1.8	15
92	Gas-Phase Hydrogenation of Furfural to Furfuryl Alcohol over Cu-ZnO-Al ₂ O ₃ Catalysts Prepared from Layered Double Hydroxides. <i>Catalysts</i> , 2020, 10, 486.	1.6	15
93	Kaolinite-based zeolites synthesis and their application in CO ₂ capture processes. <i>Fuel</i> , 2022, 320, 123953.	3.4	15
94	Modification of the textural properties of palygorskite through microwave assisted acid treatment. Influence of the octahedral sheet composition. <i>Applied Clay Science</i> , 2020, 196, 105745.	2.6	14
95	Glycerol etherification towards selective diglycerol over mixed oxides derived from hydrotalcites: effect of Ni loading. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 351-364.	1.1	14
96	Effect of Polyvinyl Alcohol Ligands on Supported Gold Nano-Catalysts: Morphological and Kinetics Studies. <i>Nanomaterials</i> , 2021, 11, 879.	1.9	14
97	Gas phase hydrogenation of furfural to obtain valuable products using commercial Cr-free catalysts as an environmentally sustainable alternative to copper chromite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105468.	3.3	14
98	Valorization of agricultural waste as a carbon materials for selective separation and storage of CO ₂ , H ₂ and N ₂ . <i>Biomass and Bioenergy</i> , 2021, 155, 106297.	2.9	13
99	Supported ruthenium catalysts for the aqueous-phase selective hydrogenation of furfural to furfuryl alcohol. <i>Catalysis Today</i> , 2022, 394-396, 81-93.	2.2	13
100	Microwave-Assisted Acid Activation of Clays Composed of 2:1 Clay Minerals: A Comparative Study. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 376.	0.8	12
101	Adsorption of Salmonella in Clay Minerals and Clay-Based Materials. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 130.	0.8	12
102	Effect of the Colloidal Preparation Method for Supported Preformed Colloidal Au Nanoparticles for the Liquid Phase Oxidation of 1,6-Hexanediol to Adipic Acid. <i>Catalysts</i> , 2022, 12, 196.	1.6	11
103	Influence of the Structure and Experimental Surfaces Modifications of 2:1 Clay Minerals on the Adsorption Properties of Methylene Blue. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 359.	0.8	10
104	Porous SiO ₂ Nanospheres Modified with ZrO ₂ and Their Use in One-Pot Catalytic Processes to Obtain Value-Added Chemicals from Furfural. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18791-18805.	1.8	10
105	Aluminum doped mesoporous silica SBA-15 for glycerol dehydration to value-added chemicals. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 342-354.	1.1	9
106	Microwave assisted acid treatment of kerolitic clays from the Neogene Madrid Basin (Spain) and its use in CO ₂ capture processes. <i>Microporous and Mesoporous Materials</i> , 2020, 292, 109749.	2.2	9
107	The role of nitride species in the gas-phase furfural hydrogenation activity of supported nickel catalysts. <i>Molecular Catalysis</i> , 2020, 487, 110889.	1.0	9
108	Adsorption of biomolecules in porous silicas modified with zirconium. Effect of the textural properties and acidity. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 146-154.	2.2	8

#	ARTICLE	IF	CITATIONS
109	Porous Silicon-Based Catalysts for the Dehydration of Glycerol to High Value-Added Products. <i>Materials</i> , 2018, 11, 1569.	1.3	8
110	Enhanced NiO Dispersion on a High Surface Area Pillared Heterostructure Covered by Niobium Leads to Optimal Behaviour in the Oxidative Dehydrogenation of Ethane. <i>Chemistry - A European Journal</i> , 2020, 26, 9371-9381.	1.7	7
111	PdO Supported on TiO ₂ for the Oxidative Condensation of Furfural with Ethanol: Insights on Reactivity and Product Selectivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10100-10112.	3.2	7
112	Towards functionalized graphene/polymer monolithic structures for selective CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2022, 337, 111907.	2.2	7
113	Benzothiophene adsorption on M/SBA-15 and M/SBA-15/NH ₄ F modified (M = Fe or Co) in liquid phase batch system. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2315-2323.	0.9	6
114	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.	1.3	6
115	Oxidative Condensation of Furfural with Ethanol Using Pd-Based Catalysts: Influence of the Support. <i>Catalysts</i> , 2020, 10, 1309.	1.6	6
116	Catalytic Activity of Mixed Al ₂ O ₃ -ZrO ₂ Oxides for Glucose Conversion into 5-Hydroxymethylfurfural. <i>Catalysts</i> , 2020, 10, 878.	1.6	6
117	Recovery of pentoses-containing olive stones for their conversion into furfural in the presence of solid acid catalysts. <i>Chemical Engineering Research and Design</i> , 2020, 143, 1-13.	2.7	6
118	Influence of morphology of zirconium-doped mesoporous silicas on 5-hydroxymethylfurfural production from mono-, di- and polysaccharides. <i>Catalysis Today</i> , 2021, 367, 297-309.	2.2	6
119	Catalytic Applications of Clay Minerals and Hydrotalcites. <i>Catalysts</i> , 2021, 11, 68.	1.6	6
120	Influence of Lewis acidity and CaCl ₂ on the direct transformation of glucose to 5-hydroxymethylfurfural. <i>Molecular Catalysis</i> , 2021, 510, 111685.	1.0	6
121	H ₂ S and H ₂ O Combined Effect on CO ₂ Capture by Amino Functionalized Hollow Microsphere Silicas. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10139-10154.	1.8	6
122	Synthesis of Porous Clay Heterostructures Modified with SiO ₂ -ZrO ₂ Nanoparticles for the Valorization of Furfural in One-Pot Process. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
123	The relevance of Lewis acid sites on the gas phase reaction of levulinic acid into ethyl valerate using CoSBA-xAl bifunctional catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 4280-4293.	2.1	5
124	Glyphosate adsorption onto porous clay heterostructure (PCH): kinetic and thermodynamic studies. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 903-917.	0.7	5
125	Temperature-Dependent Activity of Gold Nanocatalysts Supported on Activated Carbon in Redox Catalytic Reactions: 5-Hydroxymethylfurfural Oxidation and 4-Nitrophenol Reduction Comparison. <i>Catalysts</i> , 2022, 12, 323.	1.6	5
126	Photocatalyzed preferential oxidation of CO under simulated sunlight using Au-transition metal oxide-sepiolite catalysts. <i>Dalton Transactions</i> , 2020, 49, 3946-3955.	1.6	4

#	ARTICLE	IF	CITATIONS
127	Synthesis of catalysts by pyrolysis of Cu-chitosan complexes and their evaluation in the hydrogenation of furfural to value-added products. <i>Molecular Catalysis</i> , 2021, 512, 111774.	1.0	4
128	Protein Adsorption onto Modified Porous Silica by Single and Binary Human Serum Protein Solutions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9164.	1.8	4
129	Applicability of mesoporous silica type SBA-15 as feasible support for the immobilization of <i>Yarrowia lipolytica</i> lipase and <i>Candida antarctica</i> lipase B. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 1013-1021.	0.7	4
130	LIGHT N-PARAFFINS SEPARATION BY INVERSE GAS CHROMATOGRAPHY WITH CUBAN VOLCANIC GLASS. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 531-539.	0.7	3
131	Oxidative condensation/esterification of furfural with ethanol using preformed Au colloidal nanoparticles. Impact of stabilizer and heat treatment protocols on catalytic activity and stability. <i>Molecular Catalysis</i> , 2022, 528, 112438.	1.0	3
132	A novel triphenylamine-based dye sensitizer supported on titania nanoparticles and the effect of titania fabrication on its optical properties. <i>Chemical Papers</i> , 2016, 70, .	1.0	2
133	Volcanic Glass and its Uses as Adsorbent. , 0, , .		2
134	Iron phosphides presenting different stoichiometry as nanocatalysts in the HDO of phenol. <i>Catalysis Today</i> , 2020, 349, 117-127.	2.2	2
135	6. Advances in the application of transition metal phosphide catalysts for hydrodeoxygenation reactions of bio-oil from biomass pyrolysis. , 2020, , 145-166.		2
136	CO2 Valorization and Its Subsequent Valorization. <i>Molecules</i> , 2021, 26, 500.	1.7	2
137	2-MeTHF. , 2021, , 75-98.		2
138	Insights into optimized synthesis conditions of hollow microspheres of silica for water vapor adsorption. <i>Chemical Engineering Research and Design</i> , 2022, 177, 583-593.	2.7	2
139	CO2 Capture by Reduced Graphene Oxide Monoliths with Incorporated CeO2 Grafted with Functionalized Polymer Brushes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11154.	1.3	1
140	Microbial Degradation of Lignocellulosic Biomass to Obtain High Value-Added Products. <i>Environmental and Microbial Biotechnology</i> , 2021, , 283-314.	0.4	0
141	Design of Activated Carbons from the Cellulose Fraction of Agricultural Waste. Applications in Selective Separation and Storage of Gases. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
142	Nanosponges for Carbon Dioxide Sequestration. <i>Sustainable Agriculture Reviews</i> , 2019, , 1-39.	0.6	0
143	Production of Biofuels by 5-Hydroxymethylfurfural Etherification Using Ion-Exchange Resins as Solid Acid Catalysts. , 2020, 2, .		0
144	Oxidative Condensation of Furfural with Ethanol Using Preformed AU Colloidal Nanoparticles. Impact of Stabilizer and Heat Treatment Protocols on Catalytic Activity and Stability. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
145	Highly Dispersed Copper Oxide on Silica: Towards an Efficient Catalyst for Continuous Glycerol Dehydration to Acetol. SSRN Electronic Journal, 0, , .	0.4	0