

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

81900

39
h-index

110387

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.	3.8	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.	6.2	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.	6.2	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.	20.2	185
5	Gas-phase hydrogenation of furfural to furfuryl alcohol over Cu/ZnO catalysts. <i>Journal of Catalysis</i> , 2016, 336, 107-115.	6.2	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.	9.6	169
7	An Overview of the Biolubricant Production Process: Challenges and Future Perspectives. <i>Processes</i> , 2020, 8, 257.	2.8	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.	12.7	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.	20.2	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.	4.4	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.	4.3	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.	4.3	87
13	Adsorption study of reactive dyes onto porous clay heterostructures. <i>Applied Clay Science</i> , 2017, 135, 35-44.	5.2	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.	4.1	79
15	CO ₂ adsorption on APTES functionalized mesocellular foams obtained from mesoporous silicas. <i>Microporous and Mesoporous Materials</i> , 2014, 187, 125-134.	4.4	73
16	Gas-phase hydrogenation of furfural over Cu/CeO ₂ catalysts. <i>Catalysis Today</i> , 2017, 279, 327-338.	4.4	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.	3.1	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. Microporous and Mesoporous Materials, 2017, 249, 25-33.	4.4	63
20	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
21	Evaluation of two fibrous clay minerals (sepiolite and palygorskite) for CO ₂ Capture. Journal of Environmental Chemical Engineering, 2018, 6, 4573-4587.	6.7	60
22	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. Catalysis Science and Technology, 2020, 10, 2721-2757.	4.1	60
23	Functionalization of hollow silica microspheres by impregnation or grafted of amine groups for the CO ₂ capture. International Journal of Greenhouse Gas Control, 2016, 52, 344-356.	4.6	59
24	Montmorillonite based porous clay heterostructures: Influence of Zr in the structure and acidic properties. Microporous and Mesoporous Materials, 2013, 176, 95-102.	4.4	57
25	CuO-CeO ₂ supported on montmorillonite-derived porous clay heterostructures (PCH) for preferential CO oxidation in H ₂ -rich stream. Catalysis Today, 2015, 253, 126-136.	4.4	57
26	Influences of winery "distillery waste compost stability and soil type on soil carbon dynamics in amended soils. Waste Management, 2010, 30, 1966-1975.	7.4	56
27	Synthesis of biolubricants by the esterification of free fatty acids from castor oil with branched alcohols using cationic exchange resins as catalysts. Industrial Crops and Products, 2017, 104, 52-61.	5.2	55
28	Microwave assisted acid treatment of sepiolite: The role of composition and "crystallinity". Applied Clay Science, 2014, 102, 15-27.	5.2	52
29	Synthesis, Characterization, Uses and Applications of Porous Clays Heterostructures: A Review. Chemical Record, 2018, 18, 1085-1104.	5.8	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. Applied Catalysis B: Environmental, 2018, 221, 158-168.	20.2	52
31	CO ₂ Adsorption of Materials Synthesized from Clay Minerals: A Review. Minerals (Basel, Switzerland), 2019, 9, 514.	2.0	51
32	Selective Production of 2-Methylfuran by Gas-Phase Hydrogenation of Furfural on Copper Incorporated by Complexation in Mesoporous Silica Catalysts. ChemSusChem, 2017, 10, 1448-1459.	6.8	49
33	"Low Cost" Pore Expanded SBA-15 Functionalized with Amine Groups Applied to CO ₂ Adsorption. Materials, 2015, 8, 2495-2513.	2.9	48
34	The effect of structure modifying agents in the SBA-15 for its application in the biomolecules adsorption. Microporous and Mesoporous Materials, 2016, 232, 53-64.	4.4	48
35	Porous clays heterostructures as supports of iron oxide for environmental catalysis. Chemical Engineering Journal, 2018, 334, 1159-1168.	12.7	48
36	Microwave-assisted nitric acid treatment of sepiolite and functionalization with polyethylenimine applied to CO ₂ capture and CO ₂ /N ₂ separation. Applied Surface Science, 2017, 410, 315-325.	6.1	43

#	ARTICLE	IF	CITATIONS
37	Selective Furfural Hydrogenation to Furfuryl Alcohol Using Cu-Based Catalysts Supported on Clay Minerals. Topics in Catalysis, 2017, 60, 1040-1053.	2.8	42
38	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
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. International Journal of Hydrogen Energy, 2014, 39, 4102-4108.	7.1	41
40	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
41	Total Oxidation of Propane Using CeO ₂ and CuO-CeO ₂ Catalysts Prepared Using Templates of Different Nature. Catalysts, 2017, 7, 96.	3.5	39
42	V and Vâ€P containing Zr-SBA-15 catalysts for dehydration of glycerol to acrolein. Catalysis Today, 2015, 254, 43-52.	4.4	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. Catalysis Today, 2015, 253, 115-125.	4.4	38
44	Effectiveness of microwave assisted acid treatment on dioctahedral and trioctahedral smectites. The influence of octahedral composition. Applied Clay Science, 2016, 120, 70-80.	5.2	38
45	Nickel oxide supported on porous clay heterostructures as selective catalysts for the oxidative dehydrogenation of ethane. Catalysis Science and Technology, 2016, 6, 3419-3429.	4.1	38
46	WO ₃ supported on Zr doped mesoporous SBA-15 silica for glycerol dehydration to acrolein. Applied Catalysis A: General, 2016, 516, 30-40.	4.3	37
47	Relevance of the Physicochemical Properties of Calcined Quail Eggshell (CaO) as a Catalyst for Biodiesel Production. Journal of Chemistry, 2017, 2017, 1-12.	1.9	37
48	Nickel Phosphide/Silica Catalysts for the Gasâ€Phase Hydrogenation of Furfural to Highâ€Addedâ€Value Chemicals. ChemCatChem, 2017, 9, 2881-2889.	3.7	36
49	Natural and Modified Montmorillonite Clays as Catalysts for Synthesis of Biolubricants. Materials, 2018, 11, 1764.	2.9	36
50	Insights into CO ₂ adsorption in amino-functionalized SBA-15 synthesized at different aging temperature. Adsorption, 2020, 26, 225-240.	3.0	36
51	Graphene-Based Monolithic Nanostructures for CO ₂ Capture. Industrial & Engineering Chemistry Research, 2020, 59, 8612-8621.	3.7	36
52	WO ₃ -based catalysts supported on porous clay heterostructures (PCH) with Siâ€Zr pillars for synthetic esters production. Applied Clay Science, 2016, 124-125, 69-78.	5.2	35
53	Support effects on NiO-based catalysts for the oxidative dehydrogenation (ODH) of ethane. Catalysis Today, 2019, 333, 10-16.	4.4	35
54	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

#	ARTICLE	IF	CITATIONS
55	Gas phase catalytic hydrodechlorination of chlorobenzene over cobalt phosphide catalysts with different P contents. Journal of Hazardous Materials, 2013, 260, 167-175.	12.4	32
56	Vanadium oxide supported on porous clay heterostructure for the partial oxidation of hydrogen sulphide to sulfur. Catalysis Today, 2015, 254, 36-42.	4.4	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. Applied Catalysis A: General, 2021, 609, 117905.	4.3	32
58	Catalytic transfer hydrogenation of furfural to furfuryl alcohol over calcined MgFe hydrotalcites. Applied Clay Science, 2019, 183, 105351.	5.2	31
59	Enhanced HDO activity of Ni ₂ P promoted with noble metals. Catalysis Science and Technology, 2016, 6, 7323-7333.	4.1	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. Ceramics International, 2016, 42, 7462-7474.	4.8	30
61	CO ₂ /CH ₄ adsorption separation process using pore expanded mesoporous silicas functionalized by APTES grafting. Adsorption, 2015, 21, 565-575.	3.0	29
62	Assessment of commercial resins in the biolubricants production from free fatty acids of castor oil. Catalysis Today, 2017, 279, 274-285.	4.4	29
63	Glycerol oligomers production by etherification using calcined eggshell as catalyst. Molecular Catalysis, 2017, 433, 282-290.	2.0	28
64	Mesoporous Materials: From Synthesis to Applications. International Journal of Molecular Sciences, 2019, 20, 3213.	4.1	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. Catalysts, 2017, 7, 160.	3.5	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. International Journal of Molecular Sciences, 2019, 20, 828.	4.1	25
67	Catalytic performance of CoMo/Al ₂ O ₃ -MgO-Li(x) formulations in DBT hydrodesulfurization. Catalysis Today, 2016, 271, 35-44.	4.4	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. Materials, 2018, 11, 1562.	2.9	24
69	Lignin Depolymerization to BTXs. Topics in Current Chemistry, 2019, 377, 26.	5.8	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. Topics in Catalysis, 2019, 62, 579-588.	2.8	24
72	Characterization and performance in preferential oxidation of CO of CuO–CeO ₂ catalysts synthesized using polymethyl metacrylate (PMMA) as template. International Journal of Hydrogen Energy, 2015, 40, 11254-11260.	7.1	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.	5.2	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.	7.5	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.	5.2	22
76	Glycerol Oligomerization Using Low Cost Dolomite Catalyst. <i>Waste and Biomass Valorization</i> , 2020, 11, 1499-1512.	3.4	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.	5.6	22
78	Calcium/chitosan spheres as catalyst for biodiesel production. <i>Polymer International</i> , 2015, 64, 242-249.	3.1	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.	2.4	19
80	Hydrodesulfurization of dibenzothiophene over PtMo/MCM-48 catalysts. <i>Catalysis Communications</i> , 2015, 69, 217-222.	3.3	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.	3.5	18
82	CoxPy Catalysts in HDO of Phenol and Dibenzofuran: Effect of P content. <i>Topics in Catalysis</i> , 2017, 60, 1094-1107.	2.8	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.	4.3	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.	4.4	17
85	Tuning Ca-Al-based catalysts' composition to isomerize or epimerize glucose and other sugars. <i>Green Chemistry</i> , 2020, 22, 1393-1405.	9.0	17
86	Hydrodechlorination of polychlorinated molecules using transition metal phosphide catalysts. <i>Journal of Hazardous Materials</i> , 2015, 296, 112-119.	12.4	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.	3.0	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.	2.0	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.	2.8	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.	6.4	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.	3.6	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.	3.5	15
93	Kaolinite-based zeolites synthesis and their application in CO ₂ capture processes. <i>Fuel</i> , 2022, 320, 123953.	6.4	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.	5.2	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.	2.4	14
96	Effect of Polyvinyl Alcohol Ligands on Supported Gold Nano-Catalysts: Morphological and Kinetics Studies. <i>Nanomaterials</i> , 2021, 11, 879.	4.1	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.	6.7	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.	5.7	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.	4.4	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.	2.0	12
101	Adsorption of Salmonella in Clay Minerals and Clay-Based Materials. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 130.	2.0	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.	3.5	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.	2.0	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.	3.7	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.	2.4	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.	4.4	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.	2.0	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.	4.4	8

#	ARTICLE	IF	CITATIONS
109	Porous Silicon-Based Catalysts for the Dehydration of Glycerol to High Value-Added Products. Materials, 2018, 11, 1569.	2.9	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. Chemistry - A European Journal, 2020, 26, 9371-9381.	3.3	7
111	PdO Supported on TiO ₂ 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
112	Towards functionalized graphene/polymer monolithic structures for selective CO ₂ capture. Microporous and Mesoporous Materials, 2022, 337, 111907.	4.4	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. Canadian Journal of Chemical Engineering, 2017, 95, 2315-2323.	1.7	6
114	Separation of Light Liquid Paraffin C ₅ -C ₉ with Cuban Volcanic Glass Previously Used in Copper Elimination from Water Solutions. Applied Sciences (Switzerland), 2018, 8, 295.	2.5	6
115	Oxidative Condensation of Furfural with Ethanol Using Pd-Based Catalysts: Influence of the Support. Catalysts, 2020, 10, 1309.	3.5	6
116	Catalytic Activity of Mixed Al ₂ O ₃ -ZrO ₂ Oxides for Glucose Conversion into 5-Hydroxymethylfurfural. Catalysts, 2020, 10, 878.	3.5	6
117	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
118	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
119	Catalytic Applications of Clay Minerals and Hydrotalcites. Catalysts, 2021, 11, 68.	3.5	6
120	Influence of Lewis acidity and CaCl ₂ on the direct transformation of glucose to 5-hydroxymethylfurfural. Molecular Catalysis, 2021, 510, 111685.	2.0	6
121	H ₂ S and H ₂ O Combined Effect on CO ₂ Capture by Amino Functionalized Hollow Microsphere Silicas. Industrial & Engineering Chemistry Research, 2021, 60, 10139-10154.	3.7	6
122	Synthesis of Porous Clay Heterostructures Modified with SiO ₂ -ZrO ₂ Nanoparticles for the Valorization of Furfural in One-Pot Process. Advanced Sustainable Systems, 2022, 6, .	5.3	6
123	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
124	Glyphosate adsorption onto porous clay heterostructure (PCH): kinetic and thermodynamic studies. Brazilian Journal of Chemical Engineering, 2022, 39, 903-917.	1.3	5
125	Temperature-Dependent Activity of Gold Nanocatalysts Supported on Activated Carbon in Redox Catalytic Reactions: 5-Hydroxymethylfurfural Oxidation and 4-Nitrophenol Reduction Comparison. Catalysts, 2022, 12, 323.	3.5	5
126	Photocatalyzed preferential oxidation of CO under simulated sunlight using Au-transition metal oxide-sepiolite catalysts. Dalton Transactions, 2020, 49, 3946-3955.	3.3	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.	2.0	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.	4.1	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.	1.3	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.	1.3	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.	2.0	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, .	2.2	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.	4.4	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	CO ₂ Valorization and Its Subsequent Valorization. <i>Molecules</i> , 2021, 26, 500.	3.8	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.	5.6	2
139	CO ₂ Capture by Reduced Graphene Oxide Monoliths with Incorporated CeO ₂ Grafted with Functionalized Polymer Brushes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11154.	2.5	1
140	Microbial Degradation of Lignocellulosic Biomass to Obtain High Value-Added Products. <i>Environmental and Microbial Biotechnology</i> , 2021, , 283-314.	0.7	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.	1.1	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