Pedro Luis Arias

List of Publications by Year
in descending order

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147 papers	6,344 citations	50170 46 h-index	76769 74 g-index
148 all docs	148 docs citations	148 times ranked	5845 citing authors

#	Article	IF	Citations
1	Heterogeneous acid-catalysts for the production of furan-derived compounds (furfural and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.2	238
2	Hydrogen Production from Glycerol Over Nickel Catalysts Supported on Al2O3 Modified by Mg, Zr, Ce or La. Topics in Catalysis, 2008, 49, 46-58.	1.3	224
3	Hydrogenolysis of glycerol to propanediols over a Pt/ASA catalyst: The role of acid and metal sites on product selectivity and the reaction mechanism. Applied Catalysis B: Environmental, 2010, 97, 248-256.	10.8	198
4	Glycerol steam reforming over Ni catalysts supported on ceria and ceria-promoted alumina. International Journal of Hydrogen Energy, 2010, 35, 11622-11633.	3.8	184
5	Synergy effect in the HDO of phenol over Niâ€"W catalysts supported on active carbon: Effect of tungsten precursors. Applied Catalysis B: Environmental, 2010, 101, 1-12.	10.8	180
6	Liquid-phase glycerol hydrogenolysis by formic acid over Niâ€"Cu/Al2O3 catalysts. Journal of Catalysis, 2012, 290, 79-89.	3.1	159
7	Furfural production from xylose using sulfonic ion-exchange resins (Amberlyst) and simultaneous stripping with nitrogen. Bioresource Technology, 2011, 102, 7478-7485.	4.8	153
8	New approaches to the Pt/WO /Al2O3 catalytic system behavior for the selective glycerol hydrogenolysis to 1,3-propanediol. Journal of Catalysis, 2015, 323, 65-75.	3.1	142
9	Glycerol hydrogenolysis into propanediols using in situ generated hydrogen â€" A critical review. European Journal of Lipid Science and Technology, 2013, 115, 9-27.	1.0	135
10	Formaldehyde/methanol combustion on alumina-supported manganese-palladium oxide catalyst. Applied Catalysis B: Environmental, 2004, 51, 83-91.	10.8	128
11	Alumina-supported manganese- and manganeseâ€"palladium oxide catalysts for VOCs combustion. Catalysis Communications, 2003, 4, 223-228.	1.6	126
12	Influence of La2O3 modified support and Ni and Pt active phases on glycerol steam reforming to produce hydrogen. Catalysis Communications, 2009, 10, 1275-1278.	1.6	125
13	The role of tungsten oxide in the selective hydrogenolysis of glycerol to 1,3-propanediol over Pt/WOx/Al2O3. Applied Catalysis B: Environmental, 2017, 204, 260-272.	10.8	119
14	Enhancement of phenol hydrodeoxygenation over Pd catalysts supported on mixed HY zeolite and Al2O3. An approach to O-removal from bio-oils. Fuel, 2014, 117, 1061-1073.	3.4	117
15	Liquid-phase glycerol hydrogenolysis to 1,2-propanediol under nitrogen pressure using 2-propanol as hydrogen source. Journal of Catalysis, 2011, 282, 237-247.	3.1	115
16	Hydrogen production from methane and natural gas steam reforming in conventional and microreactor reaction systems. International Journal of Hydrogen Energy, 2012, 37, 7026-7033.	3.8	112
17	Tri-reforming: A new biogas process for synthesis gas andÂhydrogen production. International Journal of Hydrogen Energy, 2013, 38, 7623-7631.	3.8	111
18	Partial oxidation of methane to syngas over Ni/MgO and Ni/La2O3 catalysts. Applied Catalysis A: General, 2005, 289, 214-223.	2.2	108

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19	Influence of feed composition on the activity of Mn and PdMn/Al2O3 catalysts for combustion of formaldehyde/methanol. Applied Catalysis B: Environmental, 2005, 57, 191-199.	10.8	101
20	A comparison of solâ€“gel and impregnated Pt or/and Ni based Î³-alumina catalysts for bioglycerol aqueous phase reforming. Applied Catalysis B: Environmental, 2012, 125, 516-529.	10.8	97
21	Aqueous-phase catalytic oxidation of furfural with H₂O₂: high yield of maleic acid by using titanium silicalite-1. RSC Advances, 2014, 4, 54960-54972.	1.7	97
22	Hydrogenolysis through catalytic transfer hydrogenation: Glycerol conversion to 1,2-propanediol. Catalysis Today, 2012, 195, 22-31.	2.2	91
23	Oneâ€Pot 2â€Methyltetrahydrofuran Production from Levulinic Acid in Green Solvents Using Niâ€Cu/Al₂O₃ Catalysts. ChemSusChem, 2015, 8, 3483-3488.	3.6	81
24	Dehydration of d-xylose to furfural using selective and hydrothermally stable arenesulfonic SBA-15 catalysts. Applied Catalysis B: Environmental, 2014, 145, 34-42.	10.8	80
25	Levulinic acid hydrogenolysis on Al2O3-based Ni-Cu bimetallic catalysts. Chinese Journal of Catalysis, 2014, 35, 656-662.	6.9	76
26	Deactivation study of the Pt and/or Ni-based Î³-Al2O3 catalysts used in the aqueous phase reforming of glycerol for H2 production. Applied Catalysis A: General, 2014, 472, 80-91.	2.2	71
27	Hybrid organosilica membranes and processes: Status and outlook. Separation and Purification Technology, 2014, 121, 2-12.	3.9	70
28	Pore size tuning of functionalized SBA-15 catalysts for the selective production of furfural from xylose. Applied Catalysis B: Environmental, 2012, 115-116, 169-178.	10.8	68
29	Functionalized partially hydroxylated MgF2 as catalysts for the dehydration of d-xylose to furfural. Journal of Catalysis, 2013, 305, 81-91.	3.1	68
30	Simultaneous catalytic de-polymerization and hydrodeoxygenation of lignin in water/formic acid media with Rh/Al2O3, Ru/Al2O3 and Pd/Al2O3 as bifunctional catalysts. Journal of Analytical and Applied Pyrolysis, 2015, 113, 713-722.	2.6	67
31	Support Effect in Supported Ni Catalysts on Their Performance for Methane Partial Oxidation. Catalysis Letters, 2003, 87, 211-218.	1.4	66
32	Glycerol acetals, kinetic study of the reaction between glycerol and formaldehyde. Biomass and Bioenergy, 2011, 35, 3636-3642.	2.9	65
33	Biogas steam and oxidative reforming processes for synthesis gas and hydrogen production in conventional and microreactor reaction systems. International Journal of Hydrogen Energy, 2012, 37, 13829-13842.	3.8	64
34	Aromatics hydrogenation on silicaâ€“alumina supported palladiumâ€“nickel catalysts. Applied Catalysis A: General, 2003, 242, 17-30.	2.2	60
35	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. Catalysis Science and Technology, 2020, 10, 2721-2757.	2.1	60
36	Unraveling the Role of Formic Acid and the Type of Solvent in the Catalytic Conversion of Lignin: A Holistic Approach. ChemSusChem, 2017, 10, 754-766.	3.6	59

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37	Thermodynamic analysis of acetic acid steam reforming for hydrogen production. Journal of Power Sources, 2015, 279, 312-322.	4.0	58
38	Thermocatalytic conversion of lignin in an ethanol/formic acid medium with NiMo catalysts: Role of the metal and acid sites. Applied Catalysis B: Environmental, 2017, 217, 353-364.	10.8	58
39	Production of furfural from pentosan-rich biomass: Analysis of process parameters during simultaneous furfural stripping. Bioresource Technology, 2013, 143, 258-264.	4.8	57
40	Preparation and characterization of ceramic supported ultra-thin (~1 Âµm) Pd-Ag membranes. Journal of Membrane Science, 2017, 528, 12-23.	4.1	57
41	The Role of the Hydrogen Source on the Selective Production of Î³â€Valerolactone and 2â€Methyltetrahydrofuran from Levulinic Acid. ChemSusChem, 2016, 9, 2488-2495.	3.6	56
42	Bioethanol/glycerol mixture steam reforming over Pt and PtNi supported on lanthana or ceria doped alumina catalysts. International Journal of Hydrogen Energy, 2012, 37, 8298-8309.	3.8	55
43	Reactor modeling to simulate catalytic partial oxidation and steam reforming of methane. Comparison of temperature profiles and strategies for hot spot minimization. International Journal of Hydrogen Energy, 2007, 32, 1421-1428.	3.8	54
44	Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. Fuel Processing Technology, 2013, 116, 182-188.	3.7	54
45	Structure-activity relationships of Ni-Cu/Al 2 O 3 catalysts for Î³-valerolactone conversion to 2-methyltetrahydrofuran. Applied Catalysis B: Environmental, 2017, 210, 328-341.	10.8	54
46	Deep hydrodesulfurization of DBT and diesel fuel on supported Pt and Ir catalysts. Applied Catalysis A: General, 1996, 137, 269-286.	2.2	50
47	Furfural production from xylose + glucose feedings and simultaneous N2-stripping. Green Chemistry, 2012, 14, 3132.	4.6	47
48	Hydrodesulfurization and hydrogenation of model compounds on silicaâ€“alumina supported bimetallic systemsâ˜†. Fuel, 2003, 82, 501-509.	3.4	45
49	Kinetics and selectivity of methyl-ethyl-ketone combustion in air over alumina-supported PdOxâ€“MnOx catalysts. Journal of Catalysis, 2009, 261, 50-59.	3.1	45
50	Nickel/alumina catalysts modified by basic oxides for the production of synthesis gas by methane partial oxidation. Catalysis Today, 2006, 116, 304-312.	2.2	44
51	Acetalization reaction between glycerol and n-butyraldehyde using an acidic ion exchange resin. Kinetic modelling. Chemical Engineering Journal, 2013, 228, 300-307.	6.6	44
52	Hydrogen production from n-butanol over alumina and modified alumina nickel catalysts. International Journal of Hydrogen Energy, 2015, 40, 5272-5280.	3.8	42
53	Physicochemical Study of Glycerol Hydrogenolysis Over a Niâ€“Cu/Al2O3 Catalyst Using Formic Acid as the Hydrogen Source. Topics in Catalysis, 2013, 56, 995-1007.	1.3	41
54	Synergistic effect of Pd in methane combustion PdMnO /Al2O3 catalysts. Catalysis Communications, 2007, 8, 1287-1292.	1.6	40

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55	Dibenzothiophene hydrodesulfurization on HY-zeolite-supported transition metal sulfide catalysts. Fuel Processing Technology, 1999, 61, 73-88.	3.7	39
56	Acetalization reaction of ethanol with butyraldehyde coupled with pervaporation. Semi-batch pervaporation studies and resistance of HybSiÂ® membranes to catalyst impacts. Journal of Membrane Science, 2011, 371, 179-188.	4.1	38
57	Influence of the Support of Bimetallic Platinum Tungstate Catalysts on 1,3â€Propanediol Formation from Glycerol. ChemCatChem, 2017, 9, 4508-4519.	1.8	38
58	Catalyst Deactivation and Regeneration Processes in Biogas Tri-Reforming Process. The Effect of Hydrogen Sulfide Addition. Catalysts, 2018, 8, 12.	1.6	38
59	Pt monometallic and bimetallic catalysts prepared by acid solâ€“gel method for liquid phase reforming of bioglycerol. Journal of Molecular Catalysis A, 2013, 368-369, 125-136.	4.8	36
60	Oxidative steam reforming of methane over nickel catalysts supported on Al₂O₃â€“CeO₂â€“La₂O₃. Catalysis Science and Technology, 2015, 5, 1704-1715.	2.1	34
61	Biohydrogen production by gas phase reforming of glycerine and ethanol mixtures. International Journal of Hydrogen Energy, 2012, 37, 2028-2036.	3.8	33
62	Dehydration of xylose to furfural using a Lewis or BrÃ¶nsted acid catalyst and N2 stripping. Chinese Journal of Catalysis, 2013, 34, 1402-1406.	6.9	33
63	Production of 2-methylfuran from biomass through an integrated biorefinery approach. Fuel Processing Technology, 2018, 178, 336-343.	3.7	32
64	Effect of redox additives over Ni/Al2O3 catalysts on syngas production via methane catalytic partial oxidation. Fuel, 2008, 87, 3223-3231.	3.4	31
65	Dehydration of xylose and glucose to furan derivatives using bifunctional partially hydroxylated MgF₂ catalysts and N₂-stripping. Catalysis Science and Technology, 2014, 4, 1357-1368.	2.1	31
66	Effect of Au addition on hydrogen permeation and the resistance to H2S on Pd-Ag alloy membranes. Journal of Membrane Science, 2017, 542, 329-341.	4.1	31
67	Palladium-manganese catalysts supported on monolith systems for methane combustion. Applied Catalysis B: Environmental, 2008, 79, 122-131.	10.8	30
68	Recent Improvement on H2 Production by Liquid Phase Reforming of Glycerol: Catalytic Properties and Performance, and Deactivation Studies. Topics in Catalysis, 2014, 57, 1066-1077.	1.3	30
69	Mo-USY zeolites for hydrodesulphurization. Applied Catalysis A: General, 1993, 99, 55-70.	2.2	29
70	Evaluation of silica-alumina-supported nickel catalysts in dibenzothiophene hydrodesulphurisation. Applied Catalysis A: General, 2003, 248, 211-225.	2.2	29
71	Improving the redox performance of Mn2O3/Mn3O4 pair by Si doping to be used as thermochemical energy storage for concentrated solar power plants. Solar Energy, 2020, 204, 144-154.	2.9	29
72	Glycerol liquid phase conversion over monometallic and bimetallic catalysts: Effect of metal, support type and reaction temperatures. Applied Catalysis B: Environmental, 2011, 106, 83-83.	10.8	27

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73	Analysis of the effect of temperature and reaction time on yields, compositions and oil quality in catalytic and non-catalytic lignin solvolysis in a formic acid/water media using experimental design. Bioresource Technology, 2017, 234, 86-98.	4.8	26
74	Surface properties and hydrocracking activity of NiMo zeolite catalysts. Applied Catalysis A: General, 1998, 169, 37-53.	2.2	25
75	Hydrometallurgical process development for the production of a zinc sulphate liquor suitable for electrowinning. Minerals Engineering, 2010, 23, 511-517.	1.8	25
76	Modification of the Pd/SiO2â€"Al2O3 catalystâ€™s thioresistance by the addition of a second metal (Pt, Ru,) Tj ETQq0 0 0 rgBT /Overlo	1.6	24
77	Process design and techno-economic analysis of gas and aqueous phase maleic anhydride production from biomass-derived furfural. Biomass Conversion and Biorefinery, 2020, 10, 1021-1033.	2.9	23
78	Bio n-Butanol Partial Oxidation to Butyraldehyde in Gas Phase on Supported Ru and Cu Catalysts. Catalysis Letters, 2012, 142, 417-426.	1.4	22
79	Hydrothermal stability improvement of NiPt-containing Î³-Al2O3 catalysts tested in aqueous phase reforming of glycerol/water mixture for H2 production. International Journal of Hydrogen Energy, 2017, 42, 23617-23630.	3.8	22
80	Hydrometallurgical processes for Waelz oxide valorisation â€" An overview. Chemical Engineering Research and Design, 2019, 129, 308-320.	2.7	22
81	Niâ€"Cu Bimetallic Catalytic System for Producing 5-Hydroxymethylfurfural-Derived Value-Added Biofuels. ACS Sustainable Chemistry and Engineering, 2020, 8, 11183-11193.	3.2	22
82	Fluoride removal from Double Leached Waelz Oxide leach solutions as alternative feeds to Zinc Calcine leaching liquors in the electrolytic zinc production process. Hydrometallurgy, 2016, 161, 65-70.	1.8	21
83	Sustainable hydrogen production from bio-oil model compounds (meta-xylene) and mixtures (1-butanol, meta-xylene and furfural). Bioresource Technology, 2016, 216, 287-293.	4.8	20
84	Furanic biofuels production from biomass using Cu-based heterogeneous catalysts. Energy, 2019, 172, 531-544.	4.5	20
85	Reforming of methane over noble metal catalysts: Catalyst deactivation induced by thiophene. Catalysis Today, 2009, 143, 9-16.	2.2	19
86	Active and Stable Niâ€MgO Catalyst Coated on a Metal Monolith for Methane Steam Reforming under Low Steamâ€toâ€Carbon Ratios. Chemical Engineering and Technology, 2012, 35, 2195-2203.	0.9	19
87	Testing of a Niâ€Al₂O₃ Catalyst for Methane Steam Reforming Using Different Reaction Systems. Chemical Engineering and Technology, 2012, 35, 720-728.	0.9	19
88	Zirconia supported Cu systems as catalysts for n-butanol conversion to butyraldehyde. Applied Catalysis A: General, 2012, 423-424, 185-191.	2.2	19
89	Micro reactor hydrogen production from ethylene glycol reforming using Rh catalysts supported on CeO2 and La2O3 promoted Î±-Al2O3. International Journal of Hydrogen Energy, 2014, 39, 5248-5256.	3.8	19
90	High-Performance Magnetic Activated Carbon from Solid Waste from Lignin Conversion Processes. 2. Their Use as NiMo Catalyst Supports for Lignin Conversion. ACS Sustainable Chemistry and Engineering, 2017, 5, 11226-11237.	3.2	19

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91	Catalytic reactive distillation process development for 1,1 diethoxy butane production from renewable sources. Bioresource Technology, 2011, 102, 1289-1297.	4.8	18
92	Solvent and catalyst effect in the formic acid aided lignin-to-liquids. Bioresource Technology, 2018, 270, 529-536.	4.8	18
93	Hydrodesulfurization over PdMo/HY zeolite catalysts. Fuel, 1997, 76, 61-71.	3.4	17
94	PdCu membrane applied to hydrogen production from methane. Journal of Membrane Science, 2012, 415-416, 66-74.	4.1	17
95	The Key Role of Textural Properties of Aluminosilicates in the Acidâ€Catalysed Dehydration of Glucose into 5â€Hydroxymethylfurfural. ChemistrySelect, 2017, 2, 2444-2451.	0.7	17
96	Electrowinning studies for metallic zinc production from double leached Waelz oxide. Chemical Engineering Research and Design, 2013, 91, 495-502.	2.7	16
97	New insights into the corrosion mechanism between molten nitrate salts and ceramic materials for packed bed thermocline systems: A case study for steel slag and Solar salt. Solar Energy, 2018, 173, 152-159.	2.9	16
98	The effect of sulfidation on the Ni distribution in Ni/USY zeolites. Zeolites, 1997, 18, 250-259.	0.9	15
99	Water effect in hydrogen production from methane. International Journal of Hydrogen Energy, 2010, 35, 11525-11532.	3.8	15
100	A technoâ€economic comparison of various process options for the production of 1,1â€diethoxy butane. Journal of Chemical Technology and Biotechnology, 2012, 87, 943-954.	1.6	15
101	Streamlined life cycle analysis for assessing energy and exergy performance as well as impact on the climate for landfill gas utilization technologies. Applied Energy, 2017, 185, 805-813.	5.1	15
102	Relationship between liquefaction yields and characteristics of different rank coals. Fuel Processing Technology, 1990, 24, 127-133.	3.7	13
103	Effect of fluorine on hydrodesulfurization and hydrogenation activity of doubly promoted (zinc +) Tj ETQq1 1 0.784314 rgBT /Overlock 2365-2371.	1.8	13
104	The conceptual design of a continuous pervaporation membrane reactor for the production of 1,1â€diethoxy butane. AICHE Journal, 2012, 58, 1862-1868.	1.8	13
105	PdCu membrane integration and lifetime in the production of hydrogen from methane. International Journal of Hydrogen Energy, 2013, 38, 7659-7666.	3.8	13
106	Power-to-Gas: Storing surplus electrical energy. Study of Al 2 O 3 support modification. International Journal of Hydrogen Energy, 2016, 41, 19587-19594.	3.8	13
107	Thin PdCu membrane for hydrogen purification from in-situ produced methane reforming complex mixtures containing H2S. Chemical Engineering Science, 2018, 176, 429-438.	1.9	13
108	Liquefaction behaviour of a Spanish subbituminous A coal under different conditions of hydrogen availability. Fuel Processing Technology, 1998, 58, 17-24.	3.7	12

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109	Copper deposition on Pd membranes by electroless plating. International Journal of Hydrogen Energy, 2011, 36, 13114-13121.	3.8	12
110	Hydrodesulfurizationâ€Hydrogenation of Niâ€Containing Ultrastable HY Zeolites. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1991, 100, 915-921.	0.0	10
111	Studies on impurity iron removal from zinc electrolyte using MnO2â€“H2O2. Hydrometallurgy, 2011, 105, 370-373.	1.8	10
112	Industrial nitrogen oxides absorption simulation. Computers and Chemical Engineering, 1989, 13, 985-1002.	2.0	9
113	Methyl-naphthalene hydrogenation on Pt/HYâ€“Al2O3 catalysts. An approach to hydrogenation of polyaromatic hydrocarbon mixtures. Fuel Processing Technology, 2000, 64, 117-133.	3.7	9
114	Glycerol conversion into H2 by steam reforming over Ni and PtNi catalysts supported on MgO modified Î³-Al2O3. Studies in Surface Science and Catalysis, 2010, 175, 449-452.	1.5	9
115	Development of a combined solid and liquid wastes treatment integrated into a high purity ZnO hydrometallurgical production process from Waelz oxide. Hydrometallurgy, 2017, 173, 250-257.	1.8	9
116	Biobutanol Dehydrogenation to Butyraldehyde over Cu, Ru and Ruâ€“Cu Supported Catalysts. Noble Metal Addition and Different Support Effects. Catalysis Letters, 2012, 142, 50-59.	1.4	8
117	Economic assessment for the production of 1,2â€Propanediol from bioglycerol hydrogenolysis using molecular hydrogen or hydrogen donor molecules. Environmental Progress and Sustainable Energy, 2016, 35, 447-454.	1.3	8
118	Insights into the Nature of the Active Sites of Pt-WOx/Al2O3 Catalysts for Glycerol Hydrogenolysis into 1,3-Propanediol. Catalysts, 2021, 11, 1171.	1.6	8
119	HMF hydrogenolysis over carbon-supported Niâ€“Cu catalysts to produce hydrogenated biofuels. Energy, 2022, 255, 124437.	4.5	8
120	Butyraldehyde production by butanol oxidation over Ru and Cu catalysts supported on ZrO2, TiO2 and CeO2. Studies in Surface Science and Catalysis, 2010, , 453-456.	1.5	7
121	Pyrolysis of Forestry Waste in a Screw Reactor with Four Sequential Heating Zones: Influence of Isothermal and Nonisothermal Profiles. Industrial & Engineering Chemistry Research, 2021, 60, 18627-18639.	1.8	7
122	Effect of fluorine on hydrodenitrogenation activity of doubly promoted (Zn + Co) molybdena-alumina catalysts. Fuel, 1995, 74, 285-290.	3.4	6
123	Bioenergy II: The Development of a Reactive Distillation Process for the Production of 1,1 Diethoxy Butane from Bioalcohol: Kinetic Study and Simulation Model. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	6
124	Process integration for hydrogen production, purification and storage using iron oxides. International Journal of Hydrogen Energy, 2014, 39, 5257-5266.	3.8	6
125	Influence of morphology of zirconium-doped mesoporous silicas on 5-hydroxymethylfurfural production from mono-, di- and polysaccharides. Catalysis Today, 2021, 367, 297-309.	2.2	6
126	Influence of Lewis acidity and CaCl2 on the direct transformation of glucose to 5-hydroxymethylfurfural. Molecular Catalysis, 2021, 510, 111685.	1.0	6

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127	Integrated Environmental and Exergoeconomic Analysis of Biomassâ€Derived Maleic Anhydride. Advanced Sustainable Systems, 2022, 6, .	2.7	6
128	Chemical and petrographic characterization and liquefaction yields of Spanish coals. Fuel Processing Technology, 1987, 15, 293-305.	3.7	5
129	Heterogeneously catalyzed coal hydroliquefaction: Screening of catalysts and characterization. International Journal of Energy Research, 1994, 18, 145-166.	2.2	5
130	Efficiency improvement of Mn2O3/Mn3O4 redox reaction by means of different operation strategies. AIP Conference Proceedings, 2019, , .	0.3	5
131	Analysis of the Simultaneous Gasâ€"Liquid CO2 Absorption and Liquidâ€"Gas NH3 Desorption in a Hydrometallurgical Waelz Oxides Purification Process. International Journal of Chemical Reactor Engineering, 2014, 12, 549-562.	0.6	4
132	New insights into Mn2O3 based metal oxide granulation technique with enhanced chemical and mechanical stability for thermochemical energy storage in packed bed reactors. Solar Energy, 2022, 241, 248-261.	2.9	4
133	Hydrometallurgical Processes Development for Zinc Oxide Production from Waelz Oxide. Waste and Biomass Valorization, 2010, 1, 329-337.	1.8	3
134	Hydrocracking activity of NiMo-USY zeolite hydrotreating catalysts. Studies in Surface Science and Catalysis, 1997, 106, 567-572.	1.5	2
135	Development of a kinetic reaction model for reduction and oxidation of Si doped Mn2O3 for thermochemical energy storage in concentrated solar power plants. Journal of Energy Storage, 2021, 43, 103271.	3.9	2
136	VARIATION OF TEMPERATURE EFFECT WITH HYDROGEN SUPPLY IN NON-CATALYTIC COAL LIQUEFACTION. Petroleum Science and Technology, 1991, 9, 355-367.	0.2	1
137	COMBINED EFFECT OF FLUORINE AND ZINC INCORPORATION ON THE HDS ACTIVITY OF Co-Mo CATALYSTS. Petroleum Science and Technology, 1992, 10, 215-221.	0.2	1
138	Simulation model to optimize distillation processes. Chemical Engineering Communications, 2002, 189, 448-470.	1.5	1
139	Amination of Furfural. Sustainable Chemistry Series, 2018, , 191-196.	0.1	1
140	Advanced catalysts for coal-derived liquids hydrotreating via acidic supports. Coal Science and Technology, 1995, 24, 1287-1290.	0.0	0
141	Regeneration of surface acid sites via mild oxidation on dehydration catalysts. Catalysis Science and Technology, 2016, 6, 3367-3370.	2.1	0
142	Preface to International Symposium of Catalysis for Clean Energy and Sustainable Chemistry (CCESC2018). Topics in Catalysis, 2019, 62, 427-428.	1.3	0
143	2,5 DMF Production from Biomass Using Heterogenous Catalysts. , 0, , .		0
144	2-Methyl Tetrahydrofuran (MTHF) and its Use as Biofuel. Sustainable Chemistry Series, 2018, , 137-155.	0.1	0

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145	2-Methyl Furan and Derived Biofuels. Sustainable Chemistry Series, 2018, , 111-136.	0.1	0
146	Tetrahydrofurfuryl Alcohol and Derivatives. Sustainable Chemistry Series, 2018, , 79-89.	0.1	0
147	Furfuryl Alcohol and Derivatives. Sustainable Chemistry Series, 2018, , 55-78.	0.1	0