Inaki Gandarias

List of Publications by Year
in descending order

35 papers	2,520 citations	201385 27 h-index	414034 32 g-index
36 all docs	36 docs citations	36 times ranked	2817 citing authors

#	Article	IF	Citations
1	Integrated Environmental and Exergoeconomic Analysis of Biomassâ€Derived Maleic Anhydride. Advanced Sustainable Systems, 2022, 6, .	2.7	6
2	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
3	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
4	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. Catalysis Science and Technology, 2020, 10, 2721-2757.	2.1	60
5	INTRODUCING SUSTAINABILITY AND THE AGENDA 2030 IN ENGINEERING DEGREES THROUGH THE RESEARCH BASED LEARNING METHODOLOGY. , 2020, , .		0
6	Gas reactions under intrapore condensation regime within tailored metalâ€"organic framework catalysts. Nature Communications, 2019, 10, 2076.	5.8	45
7	Solvent and catalyst effect in the formic acid aided lignin-to-liquids. Bioresource Technology, 2018, 270, 529-536.	4.8	18
8	Production of 2-methylfuran from biomass through an integrated biorefinery approach. Fuel Processing Technology, 2018, 178, 336-343.	3.7	32
9	2-Methyl Tetrahydrofuran (MTHF) and its Use as Biofuel. Sustainable Chemistry Series, 2018, , 137-155.	0.1	0
10	2-Methyl Furan and Derived Biofuels. Sustainable Chemistry Series, 2018, , 111-136.	0.1	0
11	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
12	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
13	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
14	Influence of the Support of Bimetallic Platinum Tungstate Catalysts on 1,3â€Propanediol Formation from Glycerol. ChemCatChem, 2017, 9, 4508-4519.	1.8	38
15	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
16	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
17	The selective oxidation of n-butanol to butyraldehyde by oxygen using stable Pt-based nanoparticulate catalysts: an efficient route for upgrading aqueous biobutanol. Catalysis Science and Technology, 2016, 6, 4201-4209.	2.1	23
18	Oneâ€Pot 2â€Methyltetrahydrofuran Production from Levulinic Acid in Green Solvents Using Niâ€Cu/Al₂O₃ Catalysts. ChemSusChem, 2015, 8, 3483-3488.	3.6	81

#	Article	IF	Citations
19	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
20	Selective Oxidation of <i>n</i>â€Butanol Using Goldâ€Palladium Supported Nanoparticles Under Baseâ€Free Conditions. ChemSusChem, 2015, 8, 473-480.	3.6	28
21	Eutectic mixtures of sugar alcohols for thermal energy storage in the 50â€“90Â°C temperature range. Solar Energy Materials and Solar Cells, 2015, 134, 215-226.	3.0	121
22	Hydrodeoxygenation of the Angelica Lactone Dimer, a Celluloseâ€Based Feedstock: Simple, Highâ€Yield Synthesis of Branched C₇â€“C₁₀ Gasolineâ€like Hydrocarbons. Angewandte Chemie - International Edition, 2014, 53, 1854-1857.	7.2	179
23	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
24	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
25	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
26	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
27	Production of furfural from pentosan-rich biomass: Analysis of process parameters during simultaneous furfural stripping. Bioresource Technology, 2013, 143, 258-264.	4.8	57
28	Hydrotreating Catalytic Processes for Oxygen Removal in the Upgrading of Bio-Oils and Bio-Chemicals. , 2013, , .		11
29	Hydrogenolysis through catalytic transfer hydrogenation: Glycerol conversion to 1,2-propanediol. Catalysis Today, 2012, 195, 22-31.	2.2	91
30	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
31	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
32	Liquid-phase glycerol hydrogenolysis by formic acid over Niâ€“Cu/Al2O3 catalysts. Journal of Catalysis, 2012, 290, 79-89.	3.1	159
33	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
34	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
35	From biomass to fuels: Hydrotreating of oxygenated compounds. International Journal of Hydrogen Energy, 2008, 33, 3485-3488.	3.8	68