

Inaki Gandarias

List of Publications by Year in descending order

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35
papers

2,520
citations

201674

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414414

32
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36
all docs

36
docs citations

36
times ranked

2817
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Environmental and Exergoeconomic Analysis of Biomass-Derived Maleic Anhydride. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	6
2	Insights into the Nature of the Active Sites of Pt-WO _x /Al ₂ O ₃ Catalysts for Glycerol Hydrogenolysis into 1,3-Propanediol. <i>Catalysts</i> , 2021, 11, 1171.	3.5	8
3	Process design and techno-economic analysis of gas and aqueous phase maleic anhydride production from biomass-derived furfural. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1021-1033.	4.6	23
4	Oxidation of lignocellulosic platform molecules to value-added chemicals using heterogeneous catalytic technologies. <i>Catalysis Science and Technology</i> , 2020, 10, 2721-2757.	4.1	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 metal-organic framework catalysts. <i>Nature Communications</i> , 2019, 10, 2076.	12.8	45
7	Solvent and catalyst effect in the formic acid aided lignin-to-liquids. <i>Bioresource Technology</i> , 2018, 270, 529-536.	9.6	18
8	Production of 2-methylfuran from biomass through an integrated biorefinery approach. <i>Fuel Processing Technology</i> , 2018, 178, 336-343.	7.2	32
9	2-Methyl Tetrahydrofuran (MTHF) and its Use as Biofuel. <i>Sustainable Chemistry Series</i> , 2018, , 137-155.	0.1	0
10	2-Methyl Furan and Derived Biofuels. <i>Sustainable Chemistry Series</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 353-364.	20.2	58
12	Structure-activity relationships of Ni-Cu/Al ₂ O ₃ catalysts for γ -valerolactone conversion to 2-methyltetrahydrofuran. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 328-341.	20.2	54
13	Unraveling the Role of Formic Acid and the Type of Solvent in the Catalytic Conversion of Lignin: A Holistic Approach. <i>ChemSusChem</i> , 2017, 10, 754-766.	6.8	59
14	Influence of the Support of Bimetallic Platinum Tungstate Catalysts on 1,3-Propanediol Formation from Glycerol. <i>ChemCatChem</i> , 2017, 9, 4508-4519.	3.7	38
15	The role of tungsten oxide in the selective hydrogenolysis of glycerol to 1,3-propanediol over Pt/WO _x /Al ₂ O ₃ . <i>Applied Catalysis B: Environmental</i> , 2017, 204, 260-272.	20.2	119
16	The Role of the Hydrogen Source on the Selective Production of γ -Valerolactone and 2-Methyltetrahydrofuran from Levulinic Acid. <i>ChemSusChem</i> , 2016, 9, 2488-2495.	6.8	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. <i>Catalysis Science and Technology</i> , 2016, 6, 4201-4209.	4.1	23
18	One-Pot 2-Methyltetrahydrofuran Production from Levulinic Acid in Green Solvents Using Ni-Cu/Al ₂ O ₃ Catalysts. <i>ChemSusChem</i> , 2015, 8, 3483-3488.	6.8	81

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19	New approaches to the Pt/WO ₃ /Al ₂ O ₃ catalytic system behavior for the selective glycerol hydrogenolysis to 1,3-propanediol. <i>Journal of Catalysis</i> , 2015, 323, 65-75.	6.2	142
20	Selective Oxidation of <i>n</i> -Butanol Using Gold-Palladium Supported Nanoparticles Under Base-Free Conditions. <i>ChemSusChem</i> , 2015, 8, 473-480.	6.8	28
21	Eutectic mixtures of sugar alcohols for thermal energy storage in the 50–90°C temperature range. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 215-226.	6.2	121
22	Hydrodeoxygenation of the Angelica Lactone Dimer, a Cellulose-Based Feedstock: Simple, High-Yield Synthesis of Branched C ₇ -C ₁₀ Gasoline-Like Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1854-1857.	13.8	179
23	Heterogeneous acid-catalysts for the production of furan-derived compounds (furfural and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5</i>	4.4	238
24	Deactivation study of the Pt and/or Ni-based γ -Al ₂ O ₃ catalysts used in the aqueous phase reforming of glycerol for H ₂ production. <i>Applied Catalysis A: General</i> , 2014, 472, 80-91.	4.3	71
25	Physicochemical Study of Glycerol Hydrogenolysis Over a Ni-Cu/Al ₂ O ₃ Catalyst Using Formic Acid as the Hydrogen Source. <i>Topics in Catalysis</i> , 2013, 56, 995-1007.	2.8	41
26	Glycerol hydrogenolysis into propanediols using in situ generated hydrogen – A critical review. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 9-27.	1.5	135
27	Production of furfural from pentosan-rich biomass: Analysis of process parameters during simultaneous furfural stripping. <i>Bioresource Technology</i> , 2013, 143, 258-264.	9.6	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. <i>Catalysis Today</i> , 2012, 195, 22-31.	4.4	91
30	A comparison of sol-gel and impregnated Pt or/and Ni based γ -alumina catalysts for bioglycerol aqueous phase reforming. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 516-529.	20.2	97
31	Bioethanol/glycerol mixture steam reforming over Pt and PtNi supported on lanthana or ceria doped alumina catalysts. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8298-8309.	7.1	55
32	Liquid-phase glycerol hydrogenolysis by formic acid over Ni-Cu/Al ₂ O ₃ catalysts. <i>Journal of Catalysis</i> , 2012, 290, 79-89.	6.2	159
33	Liquid-phase glycerol hydrogenolysis to 1,2-propanediol under nitrogen pressure using 2-propanol as hydrogen source. <i>Journal of Catalysis</i> , 2011, 282, 237-247.	6.2	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. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 248-256.	20.2	198
35	From biomass to fuels: Hydrotreating of oxygenated compounds. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 3485-3488.	7.1	68