

Raimundo C Rabelo-Neto

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,299
citations

172457

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265206

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times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction pathways for the HDO of guaiacol over supported Pd catalysts: Effect of support type in the deoxygenation of hydroxyl and methoxy groups. <i>Molecular Catalysis</i> , 2022, 523, 111491.	2.0	11
2	Controlling carbon formation over Ni/CeO ₂ catalyst for dry reforming of CH ₄ by tuning Ni crystallite size and oxygen vacancies of the support. <i>Journal of CO₂ Utilization</i> , 2022, 57, 101880.	6.8	27
3	A systematic study of the synthesis of transition metal phosphides and their activity for hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2021, 381, 133-142.	4.4	11
4	One-pot microwave-assisted combustion synthesis of Ni-Al ₂ O ₃ nanocatalysts for hydrogen production via dry reforming of methane. <i>Fuel</i> , 2021, 287, 119511.	6.4	31
5	Pt nanoparticles embedded in CeO ₂ and CeZrO ₂ catalysts for biogas upgrading: Investigation on carbon removal mechanism by oxygen isotopic exchange and DRIFTS. <i>Journal of CO₂ Utilization</i> , 2021, 49, 101572.	6.8	7
6	CO ₂ methanation over metal catalysts supported on ZrO ₂ : Effect of the nature of the metallic phase on catalytic performance. <i>Chemical Engineering Science</i> , 2021, 239, 116604.	3.8	21
7	Hydrodeoxygenation of Lignin-Derived Compound Mixtures on Pd-Supported on Various Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12870-12884.	6.7	20
8	Tailoring the product selectivity of Co/SiO ₂ Fischer-Tropsch synthesis catalysts by lanthanide doping. <i>Catalysis Today</i> , 2020, 343, 80-90.	4.4	12
9	Study of the effect of Gd-doping ceria on the performance of Pt/GdCeO ₂ /Al ₂ O ₃ catalysts for the dry reforming of methane. <i>Catalysis Today</i> , 2020, 355, 737-745.	4.4	7
10	Embedded Ni nanoparticles in CeZrO ₂ as stable catalyst for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118387.	20.2	114
11	Pt supported on doped CeO ₂ /Al ₂ O ₃ as catalyst for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5182-5191.	7.1	47
12	Hydrodeoxygenation of phenol using nickel phosphide catalysts. Study of the effect of the support. <i>Catalysis Today</i> , 2020, 356, 366-375.	4.4	22
13	Role of the metal-support interface in the hydrodeoxygenation reaction of phenol. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119238.	20.2	41
14	Steam reforming of acetic acid over Ni-based catalysts derived from La _{1-x} CaxNiO ₃ perovskite type oxides. <i>Fuel</i> , 2019, 254, 115714.	6.4	31
15	The role of defect sites and oxophilicity of the support on the phenol hydrodeoxygenation reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 292-305.	20.2	56
16	Hydrogen production by steam reforming of acetic acid using hydrotalcite type precursors. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7881-7892.	7.1	19
17	Hydrodeoxygenation of phenol over niobia supported Pd catalyst. <i>Catalysis Today</i> , 2018, 302, 115-124.	4.4	79
18	Study of the performance of Pt/Al ₂ O ₃ and Pt/CeO ₂ /Al ₂ O ₃ catalysts for steam reforming of toluene, methane and mixtures. <i>Catalysis Today</i> , 2018, 299, 251-262.	4.4	44

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19	Perovskite as catalyst precursors in the partial oxidation of methane: The effect of cobalt, nickel and pretreatment. <i>Catalysis Today</i> , 2018, 299, 229-241.	4.4	47
20	CO ₂ reforming of methane over supported LaNiO ₃ perovskite-type oxides. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 349-361.	20.2	150
21	Catalytic upgrading of biomass pyrolysis vapors and model compounds using niobia supported Pd catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 38-50.	20.2	76
22	Hydrodeoxygenation of Phenol over Pd Catalysts. Effect of Support on Reaction Mechanism and Catalyst Deactivation. <i>ACS Catalysis</i> , 2017, 7, 2058-2073.	11.2	171
23	Effect of the type of ceria dopant on the performance of Ni/CeO ₂ SOFC anode for ethanol internal reforming. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 626-641.	20.2	80
24	Hydrodeoxygenation of Phenol over Zirconia-Supported Catalysts: The Effect of Metal Type on Reaction Mechanism and Catalyst Deactivation. <i>ChemCatChem</i> , 2017, 9, 2850-2863.	3.7	57
25	Steam reforming of toluene, methane and mixtures over Ni/ZrO ₂ catalysts. <i>Catalysis Today</i> , 2017, 289, 289-301.	4.4	44
26	Microkinetic analysis of ethanol to 1,3-butadiene reactions over MgO-SiO ₂ catalysts based on characterization of experimental fluctuations. <i>Chemical Engineering Journal</i> , 2017, 308, 988-1000.	12.7	34
27	Effect of Zn addition on the performance of Ni/Al ₂ O ₃ catalyst for steam reforming of ethanol. <i>Applied Catalysis A: General</i> , 2016, 519, 85-98.	4.3	43
28	Steam reforming of ethanol over Ni-based catalysts obtained from LaNiO ₃ and LaNiO ₃ /CeSiO ₂ perovskite-type oxides for the production of hydrogen. <i>Applied Catalysis A: General</i> , 2016, 520, 53-64.	4.3	61
29	The Effect of Metal Type on Hydrodeoxygenation of Phenol Over Silica Supported Catalysts. <i>Catalysis Letters</i> , 2016, 146, 1848-1857.	2.6	82
30	Steam reforming of ethanol for hydrogen production over MgO-supported Ni-based catalysts. <i>Applied Catalysis A: General</i> , 2016, 518, 115-128.	4.3	63
31	Ethanol conversion at low temperature over CeO ₂ -Supported Ni-based catalysts. Effect of Pt addition to Ni catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 754-768.	20.2	72
32	Role of Keto Intermediates in the Hydrodeoxygenation of Phenol over Pd on Oxophilic Supports. <i>ACS Catalysis</i> , 2015, 5, 1318-1329.	11.2	186
33	Thermodynamic analysis and reaction routes of steam reforming of bio-oil aqueous fraction. <i>Renewable Energy</i> , 2015, 80, 166-176.	8.9	36
34	Effects of Ceria Morphology on Catalytic Performance of Ni/CeO ₂ Catalysts for Low Temperature Steam Reforming of Ethanol. <i>Topics in Catalysis</i> , 2015, 58, 281-294.	2.8	51
35	Effect of Zirconia Morphology on Hydrodeoxygenation of Phenol over Pd/ZrO ₂ . <i>ACS Catalysis</i> , 2015, 5, 7385-7398.	11.2	137
36	Hydrogen production by reforming of acetic acid using La-Ni type perovskites partially substituted with Sm and Pr. <i>Catalysis Today</i> , 2015, 242, 71-79.	4.4	42

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37	The study of the performance of PtNi/CeO ₂ nanocube catalysts for low temperature steam reforming of ethanol. <i>Catalysis Today</i> , 2015, 242, 35-49.	4.4	69
38	Nickel / Doped Ceria Solid Oxide Fuel Cell Anodes for Dry Reforming of Methane. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	4
39	A Relationship between the Production of Oxygenates from Ethanol/Steam Mixtures and the Oxygen Mobility in Transition Metal Oxide Doped CeO ₂ :SiO ₂ Catalysts. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28007-28016.	3.1	12
40	Fischer-Tropsch Synthesis: Studies on the Effect of Support Doping with Si, Mn and Cr on the Selectivity to Alcohols in Ceria Supported Cobalt Catalysts. <i>Topics in Catalysis</i> , 2014, 57, 550-560.	2.8	8
41	Synthesis of CeO ₂ and CeZrO ₂ mixed oxide nanostructured catalysts for the iso-syntheses reaction. <i>Applied Catalysis A: General</i> , 2013, 450, 131-142.	4.3	58
42	Ozonation of model organic compounds catalysed by nanostructured cerium oxides. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 190-199.	20.2	116