

Rodolfo Lba Medeiros

List of Publications by Year in descending order

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16
papers

257
citations

1040056

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1199594

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docs citations

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351
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of dry reforming of methane over nickel catalysts supported on perovskite-type LaAlO ₃ and commercial γ -Al ₂ O ₃ . International Journal of Hydrogen Energy, 2018, 43, 11022-11037.	7.1	51
2	Ni supported on Fe-doped MgAl ₂ O ₄ for dry reforming of methane: Use of factorial design to optimize H ₂ yield. International Journal of Hydrogen Energy, 2016, 41, 14047-14057.	7.1	47
3	One-step synthesis of LaNiO ₃ with chitosan for dry reforming of methane. International Journal of Hydrogen Energy, 2018, 43, 9696-9704.	7.1	35
4	One-pot microwave-assisted combustion synthesis of Ni-Al ₂ O ₃ nanocatalysts for hydrogen production via dry reforming of methane. Fuel, 2021, 287, 119511.	6.4	31
5	Study of the reactivity of Double-perovskite type oxide La _{1-x} MxNiO ₄ (M=Ca or Sr) for chemical looping hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 1406-1414.	7.1	25
6	Double perovskite (La _{2-x} Ca _x Bax)NiO ₄ oxygen carriers for chemical looping reforming applications. International Journal of Hydrogen Energy, 2020, 45, 1681-1696.	7.1	21
7	Nickel-containing hybrid ceramics derived from polysiloxanes with hierarchical porosity for CO ₂ methanation. Microporous and Mesoporous Materials, 2019, 278, 156-166.	4.4	19
8	Study of the reactivity by pulse of CH ₄ over NiO/Fe-doped MgAl ₂ O ₄ oxygen carriers for hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 24823-24829.	7.1	11
9	Synthesis of alumina by microwave-assisted combustion method using low fuel content and its use as catalytic support for dry reforming of methane. Materials Chemistry and Physics, 2021, 264, 124408.	4.0	10
10	Green synthesis with Aloe Vera of MgAl ₂ O ₄ substituted by Mn and without calcination treatment. Research, Society and Development, 2022, 11, e14411628873.	0.1	3
11	Development of CuO-based oxygen carriers supported on diatomite and kaolin for chemical looping combustion. Research, Society and Development, 2021, 10, e15110412831.	0.1	2
12	Ni-MgAl ₂ O ₄ systems for dry reforming of methane: Effect of the combustion synthesis route in the catalysts properties. Materials Chemistry and Physics, 2022, 278, 125599.	4.0	2
13	Synthesis and characterization of the ionic liquid 1-methyl-3-(2,6-(S)-dimethyloct-2-ene)-imidazol tetrafluoroborate. Research, Society and Development, 2021, 10, e393101018988.	0.1	0
14	A influência de Ni e Co suportados em diatomita brasileira para produção de H ₂ via reforma a seco do metano. Research, Society and Development, 2021, 10, e388101119729.	0.1	0
15	Evaluating the reactivity of CuO-TiO ₂ oxygen carrier for energy production technology with CO ₂ capture. Research, Society and Development, 2021, 10, e514101220596.	0.1	0
16	Recent advances (2016 - 2020) in green synthesis of metal oxide nanoparticles: An overview. Research, Society and Development, 2021, 10, e399101623406.	0.1	0