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## Steam Reforming of Methane Over Catalyst Derived from Ordered Double Perovskite: Effect of Crystalline Phase Transformation

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Catalysis Letters, 2016, 146, 47-53.

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#	Paper	IF	Citations
16	Influence of Zn <sup>2+</sup> and Ni <sup>2+</sup> cations on the structural and optical properties of Ba <sub>2</sub> Zn <sub>1-x</sub> Ni <sub>x</sub> WO <sub>6</sub> (0 ≤ x ≤ 1) tungsten double perovskites. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 797-805	5.7	12
15	B-cation partial substitution of double perovskite La <sub>2</sub> NiTiO <sub>6</sub> by Co <sup>2+</sup> : Effect on crystal structure, reduction behavior and catalytic activity. <i>Catalysis Communications</i> , <b>2017</b> , 97, 93-97	3.2	5
14	Synergistic improvements in stability and performance of the double perovskite-type oxides La <sub>2-x</sub> Sr <sub>x</sub> FeCoO <sub>6</sub> for chemical looping steam methane reforming. <i>Applied Energy</i> , <b>2017</b> , 197, 393-404	10.7	65
13	Exploration of the mechanism of chemical looping steam methane reforming using double perovskite-type oxides La <sub>1.6</sub> Sr <sub>0.4</sub> FeCoO <sub>6</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 672-682	21.8	59
12	Hydrogen production by crude glycerol steam reforming over Ni <sub>0.5</sub> Al <sub>0.5</sub> mixed oxide catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 30525-30534	6.7	32
11	Structure and Physical Properties of the LaBiFe <sub>2</sub> O <sub>6</sub> Perovskite Produced by the Modified Pechini Method. <i>Materials Research</i> , <b>2017</b> , 20, 1309-1316	1.5	4
10	Crystalline phase engineering on cocatalysts: A promising approach to enhancement on photocatalytic conversion of carbon dioxide to fuels. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 230, 145-153	21.8	21
9	Removal of VOCs from gas streams with double perovskite-type catalysts. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 69, 205-216	6.4	32
8	Chemical-Looping Conversion of Methane: A Review. <i>Energy Technology</i> , <b>2020</b> , 8, 1900925	3.5	37
7	X-ray powder diffraction data of LaNi <sub>0.5</sub> Ti <sub>0.45</sub> Co <sub>0.05</sub> O <sub>3</sub> , LaNi <sub>0.45</sub> Co <sub>0.05</sub> Ti <sub>0.5</sub> O <sub>3</sub> , and LaNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> perovskites. <i>Powder Diffraction</i> , <b>2021</b> , 36, 29-34	1.8	1
6	Steam reforming of methane: Current states of catalyst design and process upgrading. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 149, 111330	16.2	16
5	Electronic structure, optical and magnetic properties of double Perovskites La <sub>2</sub> MTiO <sub>6</sub> (M = Co, Ni, Cu and Zn). <i>Materials Chemistry and Physics</i> , <b>2021</b> , 272, 125050	4.4	3
4	Effects of catalyst preparation methods on the performance of La <sub>2</sub> MMnO <sub>6</sub> (M=Co, Ni) double perovskites in catalytic combustion of propane. <i>Korean Journal of Chemical Engineering</i> , <b>2022</b> , 39, 586	2.8	1
3	Synthesis and Characterization of LaNiTiO and LaNiTiO Double Perovskite Nanoparticles.. <i>Materials</i> , <b>2022</b> , 15,	3.5	
2	Cation reducibility of LaNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> , LaNi <sub>0.5</sub> Ti <sub>0.45</sub> Co <sub>0.05</sub> O <sub>3</sub> , and LaNi <sub>0.45</sub> Co <sub>0.05</sub> Ti <sub>0.5</sub> O <sub>3</sub> perovskites from X-ray powder diffraction data using the Rietveld method. <i>Powder Diffraction</i> , 1-7	1.8	
1	Effect of the Calcination Temperature of LaNiO <sub>3</sub> on the Structural Properties and Reaction Performance of Catalysts in the Steam Reforming of Methane. <b>2023</b> , 13, 356		0