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**A review on reforming bio-ethanol for hydrogen production**

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1006	Reforming of Oxygenates for H <sub>2</sub> Production on 3d/Pt(111) Bimetallic Surfaces. <b>2008</b> , 51, 49-59		39
1005	Hydrogen generation at ambient conditions: application in fuel cells. <b>2008</b> , 1, 751-8		229
1004	Thermodynamic analysis of steam reforming of ethanol for hydrogen generation. <b>2008</b> , 32, 1432-1443		49
1003	Controlled generation of hydrogen from formic acid amine adducts at room temperature and application in H <sub>2</sub> /O <sub>2</sub> fuel cells. <b>2008</b> , 47, 3962-5		421
1002	Kontrollierte Wasserstoffherzeugung aus Ameisensäure-Amin-Addukten bei Raumtemperatur und direkte Nutzung in H <sub>2</sub> /O <sub>2</sub> -Brennstoffzellen. <b>2008</b> , 120, 4026-4029		134
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525	Influence of structural parameters on the reaction of low temperature ethanol steam reforming over Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <b>2015</b> , 258, 247-255		38
524	Oxidative steam reforming of isobutanol over Ni/Al <sub>2</sub> O <sub>3</sub> catalysts: A comparison with thermodynamic equilibrium analysis. <b>2015</b> , 27, 153-163		10
523	Catalytic oxidative steam reforming of bio-ethanol for hydrogen production over Rh promoted Ni/CeO <sub>2</sub> –rO <sub>2</sub> catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 2529-2544	6.7	96
522	Hydrothermal Carbonization of Biomass. <b>2015</b> , 325-352		15

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520	Exergetic study of catalytic steam reforming of bio-ethanol over PdRh/CeO <sub>2</sub> with hydrogen purification in a membrane reactor. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 3574-3581	6.7	21
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518	New challenge of metal-organic frameworks for high-efficient separation of hydrogen chloride toward clean hydrogen energy. <b>2015</b> , 3, 5275-5279		17
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515	Effects of Re addition upon aqueous phase reforming of ethanol over TiO <sub>2</sub> supported Rh and Ir catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 4129-4140	6.7	23
514	Direct ethanol fuel cells for transport and stationary applications [A comprehensive review. <b>2015</b> , 145, 80-103		317
513	Advances in ethanol autothermal reforming. <b>2015</b> , 51, 1345-1353		30
512	Electrochemical reforming vs. catalytic reforming of ethanol: A process energy analysis for hydrogen production. <b>2015</b> , 95, 9-16		29
511	Steam reforming on reactive carbon nanotube membranes. <b>2015</b> , 25, 222-228		7
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509	Steam reforming and oxidative steam reforming of ethanol over La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> perovskite as catalyst precursor for hydrogen production. <b>2015</b> , 502, 305-311		31
508	Catalytic steam reforming of volatiles released via pyrolysis of wood sawdust for hydrogen-rich gas production on Fe <sub>3</sub> N/Al <sub>2</sub> O <sub>3</sub> nanocatalysts. <b>2015</b> , 158, 999-1005		24
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506	Catalytic activities of K-modified zeolite ZSM-5 supported rhodium catalysts in low-temperature steam reforming of bioethanol. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 9924-9934	6.7	21
505	Micro and sub-micron surface structuring of AZ31 by laser re-melting and dimpling. <b>2015</b> , 75, 164-172		10
504	Synthesis of stable Cu-MCM-41 nanocatalysts for H <sub>2</sub> production with high selectivity via steam reforming of methanol. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 10439-10452	6.7	61



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502	Carbon supported catalysts in low temperature steam reforming of ethanol: study of catalyst performance. <b>2015</b> , 5, 49487-49492		7
501	Molybdenum carbide supported nickel-molybdenum alloys for synthesis gas production via partial oxidation of surrogate biodiesel. <b>2015</b> , 294, 530-536		9
500	Ceria-zirconia based catalysts for ethanol steam reforming. <b>2015</b> , 153, 166-175		56
499	Reaction Pathways of Biomass-Derived Oxygenates over Metals and Carbides: From Model Surfaces to Supported Catalysts. <b>2015</b> , 7, 1402-1421		42
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491	Steam reforming of glycerol: Hydrogen production optimization. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 6097-6106	6.7	56
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447	Efficient valorization of biomass to biofuels with bifunctional solid catalytic materials. <b>2016</b> , 55, 98-194		181
446	Numerical investigations on ethanol electrolysis for production of pure hydrogen from renewable sources. <b>2016</b> , 170, 388-393		24
445	Steam reforming of biomass-derived organics: Interactions of different mixture components on Ni/Al <sub>2</sub> O <sub>3</sub> based catalysts. <b>2016</b> , 187, 386-398		37
444	A novel CAU-10-H MOF membrane for hydrogen separation under hydrothermal conditions. <b>2016</b> , 513, 40-46		32
443	Control-oriented modeling of ionic polymer-metal composite enabled hydrogen gas production. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 6619-6629	6.7	7
442	Partial oxidation of propane with CO <sub>2</sub> on Ru doped catalysts. <b>2016</b> , 6, 5483-5493		13
441	The effect of ZnO addition on H <sub>2</sub> O activation over Co/ZrO <sub>2</sub> catalysts. <b>2016</b> , 269, 140-147		2
440	Characterizations of bimetallic NiV-supported SiO <sub>2</sub> catalysts prepared for effectively hydrogen evolutions from ethanol steam reforming. <b>2016</b> , 37, 57-66		14
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432	Solution Combustion Synthesis of Nanoscale Materials. <b>2016</b> , 116, 14493-14586		640

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429	Kinetic Modeling and Reactor Simulation for Ethanol Steam Reforming. <b>2016</b> , 8, 3804-3813		12
428	Ferrites MFe <sub>2</sub> O <sub>4</sub> (M = Mg, Mn, Fe, Zn) as Catalysts for Steam Reforming of Ethanol. <b>2016</b> , 52, 246-251		0
427	Adsorption of water and ethanol on noble and transition-metal substrates: a density functional investigation within van der Waals corrections. <b>2016</b> , 18, 29526-29536		25
426	Syngas production via steam reforming of bioethanol over NiBEA catalysts: A BTL strategy. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 16878-16889	6.7	20
425	Estimation of Average Crystallites Size of Active Phase in Ceria-Supported Cobalt-Based Catalysts by Hydrogen Chemisorption vs TEM and XRD Methods. <b>2016</b> , 146, 2173-2184		13
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417	The Impact of Sulfur on Ethanol Steam Reforming. <b>2016</b> , 146, 1361-1372		5
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415	Catalytic Reforming of Oxygenates: State of the Art and Future Prospects. <b>2016</b> , 116, 11529-11653		201
414	Deactivation of Ceria Supported Palladium through C-C Scission during Transfer Hydrogenation of Phenol with Alcohols. <b>2016</b> , 120, 28067-28073		8

413	Kerf loss silicon as a cost-effective, high-efficiency, and convenient energy carrier: additive-mediated rapid hydrogen production and integrated systems for electricity generation and hydrogen storage. <b>2016</b> , 4, 12921-12928		4
412	Steam reforming and oxidative steam reforming of ethanol over PtKCo/CeO <sub>2</sub> catalyst. <b>2016</b> , 183, 518-530		29
411	Role of Fe in CoFe particle catalysts for suppressing CH <sub>4</sub> production during ethanol steam reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 12862-12868	6.7	12
410	Molten carbonate fuel cell system fed with biofuels for electricity production. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 18815-18821	6.7	13
409	Effect of Cobalt on Reduction Characteristics of Ceria under Ethanol Steam Reforming Conditions: AP-XPS and XANES Studies. <b>2016</b> , 120, 14631-14642		32
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402	Steam reforming, partial oxidation and oxidative steam reforming for hydrogen production from ethanol over cerium nickel based oxyhydride catalyst. <b>2016</b> , 518, 78-86		41
401	Hydrogen production by steam reforming of ethanol over mesoporous CuNiAl <sub>2</sub> O <sub>3</sub> ZrO <sub>2</sub> xerogel catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 2554-2563	6.7	28
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396	Conversion of Ethanol Over Co/CeO <sub>2</sub> and KCo/CeO <sub>2</sub> Catalysts for Hydrogen Production. <b>2016</b> , 146, 163-173		13

395	Light olefins from renewable resources: Selective catalytic dehydration of bioethanol to propylene over zeolite and transition metal oxide catalysts. <b>2016</b> , 276, 62-77		45
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393	Progress on sorption-enhanced reaction process for hydrogen production. <b>2016</b> ,		7
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390	Investigation of Palladium Membrane Reactor Performance during Ethanol Steam Reforming using CFD Method. <b>2016</b> , 11, 51-55		12
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386	Rational design of ethanol steam reforming catalyst based on analysis of Ni/La <sub>2</sub> O <sub>3</sub> metal-support interactions. <b>2016</b> , 6, 3449-3456		19
385	Effect of Ni Loading on Lanthanide (La and Ce) Promoted $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts Applied to Ethanol Steam Reforming. <b>2016</b> , 146, 433-441		16
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383	Towards an improved process for hydrogen production: the chemical-loop reforming of ethanol. <b>2016</b> , 18, 1038-1050		27
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381	Hydrogen from steam reforming of ethanol over cobalt nanoparticles: Effect of boron impurities. <b>2016</b> , 518, 67-77		14
380	Hydrogen generation by ethanol steam reforming over Rh/Al <sub>2</sub> O <sub>3</sub> and Rh/CeZrO <sub>2</sub> catalysts: A comparative study. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 6123-6133	6.7	39
379	Photocatalytic performance of Au/ZnO nanocatalysts for hydrogen production from ethanol. <b>2016</b> , 518, 198-205		44
378	Steam reforming of n-butanol over Rh/ZrO <sub>2</sub> catalyst: role of 1-butene and butyraldehyde. <b>2016</b> , 182, 33-46		27



377	Ethanol conversion at low temperature over CeO <sub>2</sub> supported Ni-based catalysts. Effect of Pt addition to Ni catalyst. <b>2016</b> , 181, 754-768	60
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375	Role of Calcination Temperature on the Hydrotalcite Derived MgO/Al <sub>2</sub> O <sub>3</sub> in Converting Ethanol to Butanol. <b>2016</b> , 59, 46-54	41
374	In situ photoelectron spectroscopy study of ethanol steam reforming over RhPd nanoparticles and RhPd/CeO <sub>2</sub> . <b>2016</b> , 518, 60-66	16
373	The oncoming energy vector: Hydrogen produced in Pd-composite membrane reactor via bioethanol reforming over Ni/CeO <sub>2</sub> catalyst. <b>2016</b> , 259, 368-375	45
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