

Unalome Wetwatana Hartley

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

239
citations

1040056

9
h-index

996975

15
g-index

28
all docs

28
docs citations

28
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic activity of trimetallic sulfided Re-Ni-Mo/ γ -Al ₂ O ₃ toward deoxygenation of palm feedstocks. <i>Renewable Energy</i> , 2019, 140, 111-123.	8.9	32
2	A highly-robust solid oxide fuel cell (SOFC): simultaneous greenhouse gas treatment and clean energy generation. <i>Energy and Environmental Science</i> , 2016, 9, 3682-3686.	30.8	31
3	New bio-inspired design for high-performance and highly robust La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} membranes for oxygen permeation. <i>Journal of Membrane Science</i> , 2019, 578, 203-208.	8.2	28
4	Thermodynamic analysis and experimental study of hydrogen production from oxidative reforming of n-butanol. <i>Chemical Engineering Journal</i> , 2015, 278, 2-12.	12.7	25
5	Modelling of a tubular solid oxide fuel cell with different designs of indirect internal reformer. <i>Journal of Energy Chemistry</i> , 2014, 23, 251-263.	12.9	12
6	FeTiO ₃ Perovskite Nanoparticles for Efficient Electrochemical Water Splitting. <i>Catalysts</i> , 2021, 11, 1028.	3.5	12
7	Effect of La and Gd substitution in BaFeO _{3-δ} perovskite structure on its catalytic performance for thermochemical water splitting. <i>Catalysis Communications</i> , 2020, 135, 105901.	3.3	11
8	Effect of sintering additives on barium cerate based solid oxide electrolysis cell for syngas production from carbon dioxide and steam. <i>Fuel Processing Technology</i> , 2018, 173, 119-125.	7.2	10
9	Thermodynamic and mechanism study of syngas production via integration of nitrous oxide decomposition and methane partial oxidation in the presence of 10%NiO@La _{0.3} Sr _{0.7} Co _{0.7} Fe _{0.3} O _{3-δ} . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 839-855.	1.7	9
10	CO ₂ Hydrogenation to Synthetic Natural Gas over Ni, Fe and Co-Based CeO ₂ @Cr ₂ O ₃ . <i>Catalysts</i> , 2021, 11, 1159.	3.5	8
11	Comparison of Packed-Bed and Micro-Channel Reactors for Hydrogen Production via Thermochemical Cycles of Water Splitting in the Presence of Ceria-Based Catalysts. <i>Processes</i> , 2019, 7, 767.	2.8	6
12	Application of a micro-channel reactor for process intensification in high purity syngas production via H ₂ O/CO ₂ co-splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24581-24590.	7.1	6
13	Tar steam reforming for synthesis gas production over Ni-based on ceria/zirconia and La _{0.3} Sr _{0.7} Co _{0.7} Fe _{0.3} O ₃ in a packed-bed reactor. <i>Chemosphere</i> , 2021, 277, 130280.	8.2	6
14	Design and development of defect rich titania nanostructure for efficient electrocatalyst for hydrogen evolution reaction in an acidic electrolyte. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2739-2750.	5.8	6
15	Study of crystal growth and kinetic parameters of Zn/ZnO oxidation in the presence of H ₂ O and CO ₂ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 99-110.	1.7	5
16	Effect of strontium and zirconium doped barium cerate on the performance of proton ceramic electrolyser cell for syngas production from carbon dioxide and steam. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20634-20640.	7.1	5
17	Catalytic Steam and Autothermal Reforming of Used Lubricating Oil (ULO) over Rh- and Ni-Based Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 10981-10985.	3.7	4
18	Mechanisms of synthesis gas production via thermochemical cycles over La _{0.3} Sr _{0.7} Co _{0.7} Fe _{0.3} O ₃ . <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24666-24675.	7.1	4

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19	Hydrogen Production From Palmitic Acid Through Autothermal Reforming: Thermodynamic Analysis. Engineering Journal, 2015, 19, 153-165.	1.0	4
20	Nitrous oxide decomposition over La _{0.3} Sr _{0.7} Co _{0.7} Fe _{0.3} O ₃ catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 85-97.	1.7	3
21	CO ₂ utilization via methanation using 40%Ni/CexCr _{1-x} O ₂ as a novel catalyst: a comparative study of packed-bed and micro-channel reactors. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 101-117.	1.7	3
22	Methanol Synthesis in a Slurry Phase Reactor over Cu/ZnO/Al ₂ O ₃ Catalyst. Advanced Materials Research, 2014, 931-932, 27-31.	0.3	2
23	Process Intensification of Methane Production via Catalytic Hydrogenation in the Presence of Ni-CeO ₂ /Cr ₂ O ₃ Using a Micro-Channel Reactor. Catalysts, 2021, 11, 1224.	3.5	2
24	Optimizing Operating Conditions for Oxidative Coupling Methane (OCM) in the Presence of NaCl-MnOx/SiO ₂ . Applied Science and Engineering Progress, 2020, , .	0.8	2
25	Catalytic Pyrolysis of LDPE Plastic Wastes over Mortar Cement Catalyst. Advanced Materials Research, 0, 931-932, 47-51.	0.3	1
26	A Dual Reactor for Isothermal Thermochemical Cycles of H ₂ O/CO ₂ Co-Splitting Using La _{0.3} Sr _{0.7} Co _{0.7} Fe _{0.3} O ₃ as an Oxygen Carrier. Processes, 2021, 9, 1018.	2.8	1
27	Advanced ceramic membrane design for gas separation and energy application. , 2022, , 239-268.		1