

Mostafa El-Shafie

List of Publications by Year in descending order

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19
papers

374
citations

1307594

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h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen separation using palladium-based membranes: Assessment of H_2 separation in a catalytic plasma membrane reactor. International Journal of Energy Research, 2022, 46, 3572-3587.	4.5	5
2	Development of zeolite-based catalyst for enhancement hydrogen production from ammonia decomposition. Catalysis Today, 2022, 397-399, 103-112.	4.4	8
3	Comparative study on the numerical simulation of hydrogen separation through palladium and palladium-copper membranes. International Journal of Hydrogen Energy, 2022, 47, 22819-22831.	7.1	6
4	Energy and exergy analysis of hydrogen production from ammonia decomposition systems using non-thermal plasma. International Journal of Hydrogen Energy, 2021, 46, 29361-29375.	7.1	23
5	Performance evaluation of hydrogen permeation through Pd/Cu membrane at different plasma system conditions. South African Journal of Chemical Engineering, 2021, 35, 118-125.	2.4	5
6	Integration between energy and exergy analyses to assess the performance of furnace regenerative and ammonia decomposition systems. Renewable Energy, 2021, 175, 232-243.	8.9	8
7	Comprehensive assessment of hydrogen production in argon-water vapors plasmolysis. Energy Science and Engineering, 2021, 9, 267-283.	4.0	3
8	Experimental analysis of plasma and heating effect on H_2 permeation behavior through Pd-Cu40% membranes in 1mm gap length plate reactor. International Journal of Hydrogen Energy, 2020, 45, 26310-26320.	7.1	9
9	Study of the plasma and heating effect on hydrogen permeation through Pd0.60-Cu0.40 membrane in a micro-channel plate reactor. International Journal of Hydrogen Energy, 2020, 45, 26300-26309.	7.1	5
10	One-dimensional simulation of hydrogen production kinetic models by water vapor plasmolysis in a DBD plate reactor. Journal of Theoretical and Applied Physics, 2020, 14, 181-194.	1.4	5
11	A comparative study of hydrogen permeation through Cu/Pd membrane in different reactor types. Japanese Journal of Applied Physics, 2020, 59, 056003.	1.5	4
12	Study of the reactor temperature effect on H_2 production from steam decomposition using DBD plasma. Energy Reports, 2020, 6, 45-51.	5.1	4
13	Alumina particle size effect on H_2 production from ammonia decomposition by DBD plasma. Energy Reports, 2020, 6, 25-30.	5.1	29
14	Comparative study between the simulation and experimental results of H_2 production from water vapour plasmolysis. AIMS Energy, 2020, 8, 835-858.	1.9	3
15	A comparison between GDP and PDP experiments of hydrogen permeation through 15 μ m Pd60-Cu40% membrane thickness in a micro channel plate type reactor. Fusion Engineering and Design, 2019, 149, 111320.	1.9	6
16	Performance Evaluation of an Industrial Absorption System. Energy Procedia, 2019, 156, 266-272.	1.8	1
17	Preliminary results of hydrogen production from water vapor decomposition using DBD plasma in a PMCR reactor. International Journal of Hydrogen Energy, 2019, 44, 20239-20248.	7.1	28
18	Hydrogen Production Technologies Overview. Journal of Power and Energy Engineering, 2019, 07, 107-154.	0.6	209

#	ARTICLE	IF	CITATIONS
19	Performance evaluation of industrial glass furnace regenerator. Energy, 2017, 119, 1119-1130.	8.8	13