

CITATION REPORT

List of articles citing

Numerical study of sulfur trioxide decomposition in bayonet type heat exchanger and chemical decomposer with porous media zone and different packed bed designs

DOI: 10.1016/j.ijhydene.2008.06.075

International Journal of Hydrogen Energy, 2008, 33, 6445-645

Source: <https://exaly.com/paper-pdf/43560428/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
35	Energy Efficiency Limits for a Recuperative Bayonet Sulfuric Acid Decomposition Reactor for Sulfur Cycle Thermochemical Hydrogen Production. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7232-7245	3.9	16
34	A point model for the design of a sulfur trioxide decomposer for the SI cycle and comparison with a CFD model. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 5210-5219	6.7	2
33	Numerical Study of Internally Finned Bayonet Tubes in a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins. 2010 ,		2
32	High temperature oxygen separation for the sulphur family of thermochemical cycles - part I: Membrane selection and flux testing. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10614-10625	6.7	11
31	Investigation of a novel bayonet tube high temperature heat exchanger with inner and outer fins. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3757-3768	6.7	21
30	Catalytic activities of Fe ₂ O ₃ and chromium doped Fe ₂ O ₃ for sulfuric acid decomposition reaction in an integrated boiler, preheater, and catalytic decomposer. <i>Applied Catalysis B: Environmental</i> , 2012 , 127, 36-46	21.8	40
29	Study on heat transfer and pressure drop performances of ribbed channel in the high temperature heat exchanger. <i>Applied Energy</i> , 2012 , 99, 393-401	10.7	36
28	Stress analysis of internally finned bayonet tube in a high temperature heat exchanger. <i>Applied Thermal Engineering</i> , 2012 , 43, 101-108	5.8	22
27	Simulation and experimental study on the sulfuric acid decomposition process of SI cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5507-5516	6.7	17
26	Effect of lateral fin profiles on stress performance of internally finned tubes in a high temperature heat exchanger. <i>Applied Thermal Engineering</i> , 2013 , 50, 886-895	5.8	16
25	Numerical Modeling of Bayonet-Type Heat Exchanger and Decomposer for the Decomposition of Sulfuric Acid to Sulfur Dioxide. <i>Heat Transfer Engineering</i> , 2014 , 35, 589-599	1.7	6
24	Boiling heat transfer characteristics of a sulfuric-acid flow in thermochemical iodine-sulfur cycle. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 1659-1663	5.5	3
23	Sulphur trioxide decomposition with supported platinum/palladium on rutile catalyst: 2. Performance of a laboratory fixed bed reactor. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 2493-2499	6.7	6
22	Experimental study on transient heat transfer enhancement from a twisted plate in convection flow of helium gas. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 90, 1160-1169	4.9	6
21	CFD modeling and simulation of sulfur trioxide decomposition in ceramic plate-fin high temperature heat exchanger and decomposer. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 80, 329-343	4.9	12
20	Modeling and simulation of HI and H ₂ SO ₄ thermal decomposers for a 50 NL/h sulfur-iodine hydrogen production test facility. <i>Applied Energy</i> , 2016 , 173, 460-469	10.7	19
19	Modelling and scaling analysis of a solar reactor for sulphuric acid cracking in a hybrid sulphur cycle process for thermochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8008-8019	6.7	7

18	Experimental Study of the New Bayonet Heat Exchanger. <i>Journal of Energy Engineering - ASCE</i> , 2016 , 142, 04015015	1.7	1
17	High temperature energy storage performances of methane reforming with carbon dioxide in a tubular packed reactor. <i>Applied Energy</i> , 2016 , 162, 1473-1482	10.7	46
16	Numerical modeling of a bayonet heat exchanger-based reactor for sulfuric acid decomposition in thermochemical hydrogen production processes. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 20463-20472	6.7	18
15	Designs and CFD analyses of H ₂ SO ₄ and HI thermal decomposers for a semi-pilot scale SI hydrogen production test facility. <i>Applied Energy</i> , 2017 , 204, 390-402	10.7	9
14	Thermal performance optimization of a bayonet tube heat exchanger. <i>Applied Thermal Engineering</i> , 2017 , 111, 232-247	5.8	18
13	Numerical study of heat transfer and sulfuric acid decomposition in the process of hydrogen production. <i>International Journal of Energy Research</i> , 2019 , 43, 5969-5982	4.5	10
12	Modeling of a direct solar receiver reactor for decomposition of sulfuric acid in thermochemical hydrogen production cycles. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27237-27247	6.7	14
11	Kinetic modeling and simulation of catalyst pellet in the high temperature sulfuric acid decomposition section of Iodine-Sulfur process. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30850-30864	6.7	12
10	Modeling sulfuric acid decomposition in a bayonet heat exchanger in the iodine-sulfur cycle for hydrogen production. <i>Applied Energy</i> , 2020 , 277, 115611	10.7	8
9	Parametric study of operating conditions of an SO ₂ -depolarized electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22408-22418	6.7	5
8	Sulfuric acid decomposition in the iodine-sulfur cycle using heat from a very high temperature gas-cooled reactor. <i>International Journal of Hydrogen Energy</i> , 2020 , 46, 28969-28969	6.7	6
7	Computational design of H ₂ SO ₄ decomposer combined with SOFC for thermochemical hydrogen production. <i>International Journal of Energy Research</i> , 2021 , 45, 16576-16591	4.5	1
6	Kinetic study and modeling of sulphuric acid decomposition using Cr ₂ O ₃ catalyst for sulphur based water splitting processes. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 27282-27292	6.7	1
5	High temperature sulfuric acid decomposition in iodine-sulfur process --thermodynamics, concentrator and reactor, product separation, materials, and energy analysis. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 34148-34174	6.7	1
4	Structural Design Simulation of Bayonet Heat Exchanger for Sulfuric Acid Decomposition. <i>Energies</i> , 2021 , 14, 422	3.1	4
3	Sulphuric acid decomposition using Cr ₂ O ₃ catalyst in a tubular Packed Bed Reactor (PBR): Modeling and experimental studies. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 11750-11763	6.7	0
2	A review on the development of supported non-noble metal catalysts for the endothermic high temperature sulfuric acid decomposition step in the Iodine-sulfur cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	0
1	Experimentation, modeling and optimisation studies of an integrated-packed bed reactor (PBR) for the decomposition of sulphuric acid. 2023 ,		0

