

Stephanus Petrus du Preez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

734
citations

566801

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752256

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docs citations

21
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Demand Hydrogen Generation by the Hydrolysis of Ball-Milled Aluminumâ€“Bismuthâ€“Zinc Composites. <i>Materials</i> , 2022, 15, 1197.	1.3	18
2	The Hydrolysis of Ball-Milled Aluminumâ€“Bismuthâ€“Nickel Composites for On-Demand Hydrogen Generation. <i>Energies</i> , 2022, 15, 2356.	1.6	15
3	Preparation of Pt/Ceâ€“Zrâ€“Y mixed oxide/anodized aluminium oxide catalysts for hydrogen passive autocatalytic recombination. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12726-12738.	3.8	10
4	The Use of Hydrogen as a Potential Reductant in the Chromite Smelting Industry. <i>Minerals (Basel)</i> , 2022, 12, 1070.	0.8	10
5	Preparation of Highly Active and Thermally Conductive Platinum Nanoparticle/Ceâ€“Zrâ€“Y Mixed Oxide/AO Washcoat Catalyst for Catalytic Hydrogen Combustion Technologies. <i>ACS Applied Nano Materials</i> , 2022, 5, 8161-8174.	2.4	7
6	A Thermally Conductive Pt/AO Catalyst for Hydrogen Passive Autocatalytic Recombination. <i>Catalysts</i> , 2021, 11, 491.	1.6	20
7	Catalytic Hydrogen Combustion for Domestic and Safety Applications: A Critical Review of Catalyst Materials and Technologies. <i>Energies</i> , 2021, 14, 4897.	1.6	22
8	Revising the dark fermentative H ₂ research and development scenario â€“ An overview of the recent advances and emerging technological approaches. <i>Biomass and Bioenergy</i> , 2020, 140, 105673.	2.9	22
9	Thermophilic Biogas Upgrading via ex Situ Addition of H ₂ and CO ₂ Using Codigested Feedstocks of Cow Manure and the Organic Fraction of Solid Municipal Waste. <i>ACS Omega</i> , 2020, 5, 17367-17376.	1.6	17
10	Temperature Profile Mapping over a Catalytic Unit of a Hydrogen Passive Autocatalytic Recombiner: An Experimental and Computational Fluid Dynamics Study. <i>Energy & Fuels</i> , 2020, 34, 11637-11649.	2.5	16
11	Sodium Silicate Cold-Bonded Chromite Pellets for the Ferrochromium Industry â€“ Identifying a Suitable Process. <i>Materials Research</i> , 2020, 23, .	0.6	0
12	Pt/C and Pt/SnOx/C Catalysts for Ethanol Electrooxidation: Rotating Disk Electrode Study. <i>Catalysts</i> , 2019, 9, 271.	1.6	32
13	Application of nanoparticles in biofuels: An overview. <i>Fuel</i> , 2019, 237, 380-397.	3.4	268
14	Silicon Carbide Formation Enhanced by In-Situ-Formed Silicon Nitride: An Approach to Capture Thermal Energy of CO-Rich Off-Gas Combustion. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 3151-3163.	1.0	10
15	Hydrogen generation by the hydrolysis of mechanochemically activated aluminum-tin-indium composites in pure water. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21398-21413.	3.8	47
16	South African hydrogen infrastructure (HySA infrastructure) for fuel cells and energy storage: Overview of a projects portfolio. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13568-13588.	3.8	46
17	Review of Cr(VI) environmental practices in the chromite mining and smelting industry â€“ Relevance to development of the Ring of Fire, Canada. <i>Journal of Cleaner Production</i> , 2017, 165, 874-889.	4.6	67
18	Hydrogen generation of mechanochemically activated Al Bi In composites. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16589-16602.	3.8	45

#	ARTICLE	IF	CITATIONS
19	Aqueous solubility of Cr(VI) compounds in ferrochrome bag filter dust and the implications thereof. <i>Water S A</i> , 2017, 43, 298.	0.2	12
20	Hydrogen Generation by Means of Hydrolysis Using Activated Al-In-Bi-Sn Composites for Electrochemical Energy Applications. <i>International Journal of Electrochemical Science</i> , 2017, 12, 8663-8682.	0.5	34
21	Cr(VI) Generation During Flaring of CO-Rich Off-Gas from Closed Ferrochromium Submerged Arc Furnaces. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 1002-1010.	1.0	19