Johannes Full

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2753320/publications.pdf

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17	407	1039880 9	1125617 13
papers	citations	h-index	g-index

17	17	17	389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbonâ€negative hydrogen production: Fundamentals for a technoâ€economic and environmental assessment of HyBECCS approaches. GCB Bioenergy, 2022, 14, 597-619.	2.5	7
2	Biogas Plants as Hydrogen Production Facilities and Greenhouse Gas Sinks: Technology Comparison, Challenges and Potentials for Carbon Negative Hydrogen Production (HyBECCS). Procedia CIRP, 2022, 107, 185-190.	1.0	4
3	Technology assessment for digitalization in battery cell manufacturing. Procedia CIRP, 2021, 99, 520-525.	1.0	6
4	Critical materials for water electrolysers at the example of the energy transition in Germany. International Journal of Energy Research, 2021, 45, 9914-9935.	2.2	51
5	Market Perspectives and Future Fields of Application of Odor Detection Biosensors within the Biological Transformationâ€”A Systematic Analysis. Biosensors, 2021, 11, 93.	2.3	13
6	A New Perspective for Climate Change Mitigationâ€”Introducing Carbon-Negative Hydrogen Production from Biomass with Carbon Capture and Storage (HyBECCS). Sustainability, 2021, 13, 4026.	1.6	24
7	Principles and Design Strategies for Ultraâ€efficient Production Systems in the Process Industry. Chemie-Ingenieur-Technik, 2021, 93, 1781-1791.	0.4	2
8	Carbon-Negative Hydrogen Production (HyBECCS) from Organic Waste Materials in Germany: How to Estimate Bioenergy and Greenhouse Gas Mitigation Potential. Energies, 2021, 14, 7741.	1.6	11
9	Systematic Derivation of New Fields of Application for Innovative Bio-based Odour Sensors with Transfected Cells and Analysis of Economic Potentials. , 2020, , .		2
10	Comparing Technical Criteria of Various Lithium-Ion Battery Cell Formats for Deriving Respective Market Potentials. , 2020, , .		1
11	Enabling bidirectional real time interaction between biological and technical systems: Structural basics of a control oriented modeling of biology-technology-interfaces. Procedia CIRP, 2019, 81, 63-68.	1.0	17
12	Power-to-Methanol: Techno-Economical and Ecological Insights. , 2019, , 380-409.		5
13	Economics & carbon dioxide avoidance cost of methanol production based on renewable hydrogen and recycled carbon dioxide â€“ power-to-methanol. Sustainable Energy and Fuels, 2018, 2, 1244-1261.	2.5	115
14	The biological transformation of the manufacturing industry â€“ envisioning biointelligent value adding. Procedia CIRP, 2018, 72, 739-743.	1.0	49
15	Methanol Synthesis â€“ Industrial Challenges within a Changing Raw Material Landscape. Chemie-Ingenieur-Technik, 2018, 90, 1409-1418.	0.4	51
16	A portable fuel processor for hydrogen production from ethanol in a 250Wel fuel cell system. International Journal of Hydrogen Energy, 2009, 34, 8006-8015.	3.8	49
17	Experimental Validation of Methanol Synthesis from Steel Mill Gases Using a Miniplant Setup. Chemie-Ingenieur-Technik, 0, , .	0.4	0