

# Johannes Full

## List of Publications by Year in descending order

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

Version: 2024-02-01

17  
papers

407  
citations

1039880

9  
h-index

1125617

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Economics & carbon dioxide avoidance cost of methanol production based on renewable hydrogen and recycled carbon dioxide – power-to-methanol. Sustainable Energy and Fuels, 2018, 2, 1244-1261.	2.5	115
2	Methanol Synthesis – Industrial Challenges within a Changing Raw Material Landscape. Chemie-Ingenieur-Technik, 2018, 90, 1409-1418.	0.4	51
3	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
4	A portable fuel processor for hydrogen production from ethanol in a 250W fuel cell system. International Journal of Hydrogen Energy, 2009, 34, 8006-8015.	3.8	49
5	The biological transformation of the manufacturing industry – envisioning biointelligent value adding. Procedia CIRP, 2018, 72, 739-743.	1.0	49
6	A New Perspective for Climate Change Mitigation – Introducing Carbon-Negative Hydrogen Production from Biomass with Carbon Capture and Storage (HyBECCS). Sustainability, 2021, 13, 4026.	1.6	24
7	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
8	Market Perspectives and Future Fields of Application of Odor Detection Biosensors within the Biological Transformation – A Systematic Analysis. Biosensors, 2021, 11, 93.	2.3	13
9	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
10	Carbon-negative hydrogen production: Fundamentals for a techno-economic and environmental assessment of HyBECCS approaches. GCB Bioenergy, 2022, 14, 597-619.	2.5	7
11	Technology assessment for digitalization in battery cell manufacturing. Procedia CIRP, 2021, 99, 520-525.	1.0	6
12	Power-to-Methanol: Techno-Economical and Ecological Insights. , 2019, , 380-409.		5
13	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
14	Systematic Derivation of New Fields of Application for Innovative Bio-based Odour Sensors with Transfected Cells and Analysis of Economic Potentials. , 2020, , .		2
15	Principles and Design Strategies for Ultra-efficient Production Systems in the Process Industry. Chemie-Ingenieur-Technik, 2021, 93, 1781-1791.	0.4	2
16	Comparing Technical Criteria of Various Lithium-Ion Battery Cell Formats for Deriving Respective Market Potentials. , 2020, , .		1
17	Experimental Validation of Methanol Synthesis from Steel Mill Gases Using a Miniplant Setup. Chemie-Ingenieur-Technik, 0, , .	0.4	0