

Erik Reichelt

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

336
citations

933447

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h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic assessment of Power-to-Liquid processes – Influence of electrolysis technology and operating conditions. Applied Energy, 2021, 292, 116655.	10.1	35
2	Spatially-resolved reaction profiles in Fischer-Tropsch synthesis – influence of operating conditions and promotion for iron-based catalysts. Catalysis Communications, 2021, 158, 106335.	3.3	9
3	Assessment of fossil-free steelmaking based on direct reduction applying high-temperature electrolysis. Cleaner Engineering and Technology, 2021, 4, 100158.	4.0	11
4	Economic evaluation of low-carbon steelmaking via coupling of electrolysis and direct reduction. Journal of Cleaner Production, 2021, 328, 129502.	9.3	13
5	High Temperature Co-Electrolysis as a Key Technology for CO ₂ Emission Mitigation – A Model-Based Assessment of CDA and CCU. Chemie-Ingenieur-Technik, 2020, 92, 1044-1058.	0.8	9
6	Reaktoren für Dreiphasen-Reaktionen: Monolithreaktoren. Springer Reference Naturwissenschaften, 2020, , 919-960.	0.2	0
7	Co-Electrolysis CFY-Stack Operation and Integration for Carbon Capture and Utilization. ECS Transactions, 2019, 91, 2579-2587.	0.5	4
8	Reaktoren für Dreiphasen-Reaktionen: Monolithreaktoren. Springer Reference Naturwissenschaften, 2019, , 1-42.	0.2	0
9	Techno-economic analysis of a co-electrolysis-based synthesis process for the production of hydrocarbons. Applied Energy, 2018, 215, 309-320.	10.1	62
10	Iron-Based Fischer-Tropsch Catalysts for Higher Alcohol Synthesis. Chemie-Ingenieur-Technik, 2018, 90, 713-720.	0.8	5
11	Design and evaluation of a Fischer-Tropsch process for the production of waxes from biogas. Energy, 2017, 132, 370-381.	8.8	18
12	Generalized correlations for mass transfer and pressure drop in fiber-based catalyst supports. Chemical Engineering Journal, 2017, 325, 655-664.	12.7	21
13	Co-Electrolysis with CFY-Stacks. ECS Transactions, 2017, 78, 3089-3102.	0.5	14
14	Derivation and Application of a Generalized Correlation for Mass Transfer in Packed Beds. Chemie-Ingenieur-Technik, 2017, 89, 390-400.	0.8	11
15	Production of Synthesis Gas from Biogas – Reactor Design and Integration into a Solid Oxide Fuel Cell System. Chemie-Ingenieur-Technik, 2014, 86, 486-496.	0.8	2
16	Fiber based structured materials for catalytic applications. Applied Catalysis A: General, 2014, 476, 78-90.	4.3	94
17	Porous Perovskite Fibers – Preparation by Wet Phase Inversion Spinning and Catalytic Activity. Chemical Engineering and Technology, 2014, 37, 1146-1154.	1.5	6
18	Oxidative Dry-Reforming of Biogas: Reactor Design and SOFC System Integration. Energy Technology, 2013, 1, 48-58.	3.8	19

#	ARTICLE	IF	CITATIONS
19	Thermodynamic Influence Analysis of Available Fuels and Reforming Methods on SOFC System Efficiency. ECS Transactions, 2011, 35, 955-962.	0.5	2