

Ralph Baessler

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

104
citations

1478505

6
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an optimization of the CO ₂ stream composition – A whole-chain approach. International Journal of Greenhouse Gas Control, 2016, 54, 682-701.	4.6	18
2	Corrosion behaviour of different steel types in artificial geothermal fluids. Geothermics, 2019, 82, 182-189.	3.4	18
3	On the Corrosion Mechanism of CO ₂ Transport Pipeline Steel Caused by Condensate: Synergistic Effects of NO ₂ and SO ₂ . Materials, 2019, 12, 364.	2.9	12
4	Corrosion of Carbon Steel in Artificial Geothermal Brine: Influence of Carbon Dioxide at 70 °C and 150 °C. Materials, 2019, 12, 3801.	2.9	9
5	Droplet Corrosion of CO ₂ Transport Pipeline Steels in Simulated Oxyfuel Flue Gas. Corrosion, 2018, 74, 1406-1420.	1.1	7
6	Corrosion Study on Wellbore Materials for the CO ₂ Injection Process. Processes, 2021, 9, 115.	2.8	6
7	Effect of lead and copper containing brine on steel materials for geothermal applications – A corrosion study. Geothermics, 2021, 91, 102024.	3.4	5
8	Study of Al ₂ O ₃ Sol-Gel Coatings on X20Cr13 in Artificial North German Basin Geothermal Water at 150 °C. Coatings, 2021, 11, 526.	2.6	5
9	Towards defining reasonable minimum composition thresholds – Impacts of variable CO ₂ stream compositions on transport, injection and storage. International Journal of Greenhouse Gas Control, 2022, 114, 103589.	4.6	5
10	Suitability of UNS S31603 steel for geothermal brines in volcanic areas – Influence of different physicochemical conditions on its corrosion behavior. Geothermics, 2015, 53, 479-487.	3.4	4
11	Early Stage of Corrosion Formation on Pipeline Steel X70 Under Oxyfuel Atmosphere at Low Temperature. Processes, 2020, 8, 421.	2.8	4
12	Aging of passive film on UNS N08031 in a Green-Death solution. Corrosion Engineering Science and Technology, 2018, 53, 302-308.	1.4	3
13	Short-term exposure tests of Al ₂ O ₃ Sol-gel coating on X20Cr13 in artificial geothermal waters with different pH. Geothermics, 2021, 96, 102193.	3.4	3
14	MATERIALS EVALUATION FOR GEOTHERMAL APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	2
15	Passivity of alloy 31 in green-death solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1218-1226.	1.5	1
16	Electrochemical Deposition of Polyaniline on Carbon Steel for Corrosion Study in Geothermal Solution. Materials Science Forum, 2019, 966, 107-115.	0.3	1
17	Towards Defining Reasonable Minimum Composition Thresholds – Impacts of Variable CO ₂ Stream Compositions on Transport, Injection and Storage. SSRN Electronic Journal, 0, , .	0.4	1
18	Damage investigation on the explosive destruction of a tank at a chlorine liquefaction plant. Engineering Failure Analysis, 2014, 43, 120-132.	4.0	0

#	ARTICLE	IF	CITATIONS
19	Interaction of Oxidizing and Reductive Components in CO2 Streams with Transport Pipeline Steel X70 at High Pressure and Low Temperature. SSRN Electronic Journal, 0, , .	0.4	0