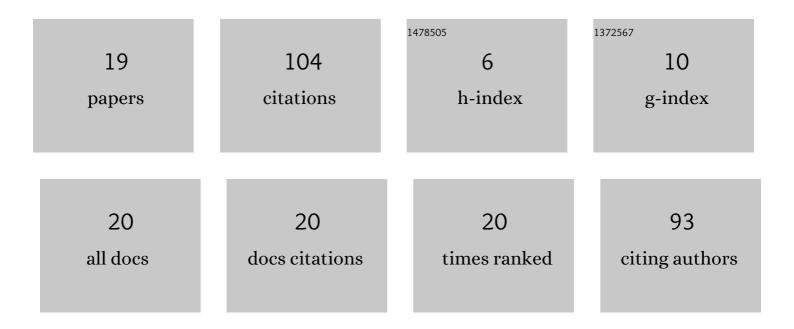
## **Ralph Baessler**

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Towards defining reasonable minimum composition thresholds – Impacts of variable CO2 stream compositions on transport, injection and storage. International Journal of Greenhouse Gas Control, 2022, 114, 103589. | 4.6 | 5         |
| 2  | Effect of lead and copper containing brine on steel materials for geothermal applications – A corrosion study. Geothermics, 2021, 91, 102024.   | 3.4 | 5         |
| 3  | Study of Al2O3 Sol-Gel Coatings on X20Cr13 in Artificial North German Basin Geothermal Water at 150<br>°C. Coatings, 2021, 11, 526.   | 2.6 | 5         |
| 4  | Short-term exposure tests of ɣ-Al2O3 Sol-gel coating on X20Cr13 in artificial geothermal waters with different pH. Geothermics, 2021, 96, 102193.   | 3.4 | 3         |
| 5  | Corrosion Study on Wellbore Materials for the CO2 Injection Process. Processes, 2021, 9, 115.   | 2.8 | 6         |
| 6  | Early Stage of Corrosion Formation on Pipeline Steel X70 Under Oxyfuel Atmosphere at Low<br>Temperature. Processes, 2020, 8, 421.   | 2.8 | 4         |
| 7  | Electrochemical Deposition of Polyaniline on Carbon Steel for Corrosion Study in Geothermal<br>Solution. Materials Science Forum, 2019, 966, 107-115.   | 0.3 | 1         |
| 8  | On the Corrosion Mechanism of CO2 Transport Pipeline Steel Caused by Condensate: Synergistic Effects of NO2 and SO2. Materials, 2019, 12, 364.  | 2.9 | 12        |
| 9  | Corrosion behaviour of different steel types in artificial geothermal fluids. Geothermics, 2019, 82, 182-189.   | 3.4 | 18        |
| 10 | Corrosion of Carbon Steel in Artificial Geothermal Brine: Influence of Carbon Dioxide at 70 °C and 150<br>°C. Materials, 2019, 12, 3801.  | 2.9 | 9         |
| 11 | Passivity of alloy 31 in greenâ€death solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1218-1226.  | 1.5 | 1         |
| 12 | Droplet Corrosion of CO2 Transport Pipeline Steels in Simulated Oxyfuel Flue Gas. Corrosion, 2018,<br>74, 1406-1420.  | 1.1 | 7         |
| 13 | Aging of passive film on UNS N08031 in a Green-Death solution. Corrosion Engineering Science and Technology, 2018, 53, 302-308.   | 1.4 | 3         |
| 14 | Towards an optimization of the CO 2 stream composition—A whole-chain approach. International<br>Journal of Greenhouse Gas Control, 2016, 54, 682-701.   | 4.6 | 18        |
| 15 | 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         |
| 16 | MATERIALS EVALUATION FOR GEOTHERMAL APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .  | 0.4 | 2         |
| 17 | Damage investigation on the explosive destruction of a tank at a chlorine liquefaction plant.<br>Engineering Failure Analysis, 2014, 43, 120-132.   | 4.0 | 0         |
| 18 | Towards Defining Reasonable Minimum Composition Thresholds – Impacts of Variable CO2 Stream<br>Compositions on Transport, Injection and Storage. SSRN Electronic Journal, 0, , .                                  | 0.4 | 1         |

| #  | 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         |