

# Marcelo Ketzer

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

2,331  
citations

394421

19  
h-index

214800

47  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1778  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Spatial and temporal distribution of diagenetic alterations in siliciclastic rocks: implications for mass transfer in sedimentary basins. <i>Sedimentology</i> , 2000, 47, 95-120.  | 3.1  | 515       |
| 2  | The impact of diagenesis on the heterogeneity of sandstone reservoirs: A review of the role of depositional facies and sequence stratigraphy. <i>AAPG Bulletin</i> , 2010, 94, 1267-1309.   | 1.5  | 462       |
| 3  | Water-rock-CO <sub>2</sub> interactions in saline aquifers aimed for carbon dioxide storage: Experimental and numerical modeling studies of the Rio Bonito Formation (Permian), southern Brazil. <i>Applied Geochemistry</i> , 2009, 24, 760-767.                     | 3.0  | 146       |
| 4  | Diagenesis and Reservoir-Quality Evolution of Incised-Valley Sandstones: Evidence from the Abu Madi Gas Reservoirs (Upper Miocene), the Nile Delta Basin, Egypt. <i>Journal of Sedimentary Research</i> , 2005, 75, 572-584.  | 1.6  | 121       |
| 5  | Sequence stratigraphic distribution of diagenetic alterations in coal-bearing, paralic sandstones: evidence from the Rio Bonito Formation (early Permian), southern Brazil. <i>Sedimentology</i> , 2003, 50, 855-877.   | 3.1  | 109       |
| 6  | Distribution of Diagenetic Alterations in Fluvial, Deltaic, and Shallow Marine Sandstones Within a Sequence Stratigraphic Framework: Evidence from the Mullaghmore Formation (Carboniferous), NW Ireland. <i>Journal of Sedimentary Research</i> , 2002, 72, 760-774. | 1.6  | 92        |
| 7  | Radiometric age determination of tonsteins and stratigraphic constraints for the Lower Permian coal succession in southern Paraná Basin, Brazil. <i>International Journal of Coal Geology</i> , 2008, 74, 13-27.  | 5.0  | 73        |
| 8  | Meteoric-water diagenesis in late Cretaceous canyon-fill turbidite reservoirs from the Espírito Santo Basin, eastern Brazil. <i>Marine and Petroleum Geology</i> , 2012, 37, 7-26.  | 3.3  | 69        |
| 9  | Gas hydrate dissociation linked to contemporary ocean warming in the southern hemisphere. <i>Nature Communications</i> , 2020, 11, 3788.  | 12.8 | 53        |
| 10 | Natural gas hydrates in the Rio Grande Cone (Brazil): A new province in the western South Atlantic. <i>Marine and Petroleum Geology</i> , 2015, 67, 187-196.  | 3.3  | 45        |
| 11 | IMPACT OF DIAGENESIS ON RESERVOIR-QUALITY EVOLUTION IN FLUVIAL AND LACUSTRINE-DELTAIC SANDSTONES: EVIDENCE FROM JURASSIC AND TRIASSIC SANDSTONES FROM THE ORDOS BASIN, CHINA. <i>Journal of Petroleum Geology</i> , 2009, 32, 79-102.                                 | 1.5  | 41        |
| 12 | Discovery of a chemosynthesis-based community in the western South Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 112, 45-56.   | 1.4  | 34        |
| 13 | Predictive distribution of shallow marine, low-porosity (pseudomatrix-rich) sandstones in a sequence stratigraphic framework—example from the Ferron sandstone, Upper Cretaceous, USA. <i>Marine and Petroleum Geology</i> , 2006, 23, 29-36.                         | 3.3  | 30        |
| 14 | ORGANIC - INORGANIC INTERACTIONS IN OILFIELD SANDSTONES: EXAMPLES FROM TURBIDITE RESERVOIRS IN THE CAMPOS BASIN, OFFSHORE EASTERN BRAZIL. <i>Journal of Petroleum Geology</i> , 2006, 29, 361-380.  | 1.5  | 26        |
| 15 | CO <sub>2</sub> Geological storage in saline aquifers: Paraná Basin caprock and reservoir chemical reactivity. <i>Energy Procedia</i> , 2011, 4, 5377-5384.   | 1.8  | 22        |
| 16 | The current status of CCS development in Brazil. <i>Energy Procedia</i> , 2011, 4, 6148-6151.   | 1.8  | 21        |
| 17 | CO <sub>2</sub> sequestration potential of Charqueadas coal field in Brazil. <i>International Journal of Coal Geology</i> , 2013, 106, 25-34.   | 5.0  | 21        |
| 18 | Environmental monitoring of water resources around a municipal landfill of the Rio Grande do Sul state, Brazil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21398-21411.  | 5.3  | 21        |

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|----|--|-----|-----------|
| 19 | Environmental monitoring of a landfill area through the application of carbon stable isotopes, chemical parameters and multivariate analysis. <i>Waste Management</i> , 2018, 76, 591-605.   | 7.4 | 21        |
| 20 | Microbiota associated with tubes of <i>Escarpia</i> sp. from cold seeps in the southwestern Atlantic Ocean constitutes a community distinct from that of surrounding marine sediment and water. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 533-550. | 1.7 | 21        |
| 21 | Dickite in shallow oil reservoirs from Recôncavo Basin, Brazil: diagenetic implications for basin evolution. <i>Clay Minerals</i> , 2008, 43, 213-233.   | 0.6 | 19        |
| 22 | The CARBMAP project: Matching CO <sub>2</sub> sources and geological sinks in Brazil using geographic information system. <i>Energy Procedia</i> , 2011, 4, 2764-2771.   | 1.8 | 19        |
| 23 | Permian-Early Triassic tectonics and stratigraphy of the Karoo Supergroup in northwestern Mozambique. <i>Journal of African Earth Sciences</i> , 2017, 130, 8-27.  | 2.0 | 18        |
| 24 | Gas seeps and gas hydrates in the Amazon deep-sea fan. <i>Geo-Marine Letters</i> , 2018, 38, 429-438.  | 1.1 | 18        |
| 25 | Discriminant analysis of biodiesel fuel blends based on combined data from Fourier Transform Infrared Spectroscopy and stable carbon isotope analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 70-78.                    | 3.5 | 17        |
| 26 | CO <sub>2</sub> Storage Capacity of Campos Basin's Oil Fields, Brazil. <i>Energy Procedia</i> , 2013, 37, 5124-5133.   | 1.8 | 13        |
| 27 | Microbial diversity from chlorophyll maximum, oxygen minimum and bottom zones in the southwestern Atlantic Ocean. <i>Journal of Marine Systems</i> , 2018, 178, 52-61.   | 2.1 | 13        |
| 28 | Gas Seeps at the Edge of the Gas Hydrate Stability Zone on Brazil's Continental Margin. <i>Geosciences (Switzerland)</i> , 2019, 9, 193.   | 2.2 | 13        |
| 29 | Baltic Sea sediments record anthropogenic loads of Cd, Pb, and Zn. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6162-6175.  | 5.3 | 13        |
| 30 | Classification of Fuel Blends Using Exploratory Analysis with Combined Data from Infrared Spectroscopy and Stable Isotope Analysis. <i>Energy &amp; Fuels</i> , 2017, 31, 523-532.   | 5.1 | 12        |
| 31 | 3D controlled-source electromagnetic imaging of gas hydrates: Insights from the Pelotas Basin offshore Brazil. <i>Interpretation</i> , 2019, 7, SH111-SH131.   | 1.1 | 12        |
| 32 | A Comparison of Three Methods for Monitoring CO <sub>2</sub> Migration in Soil and Shallow Subsurface in the Ressacada Pilot site, Southern Brazil. <i>Energy Procedia</i> , 2014, 63, 3992-4002.  | 1.8 | 11        |
| 33 | The influence of methane fluxes on the sulfate/methane interface in sediments from the Rio Grande Cone Gas Hydrate Province, southern Brazil. <i>Brazilian Journal of Geology</i> , 2017, 47, 369-381.   | 0.7 | 11        |
| 34 | Synthesis of new CO <sub>2</sub> hydrate inhibitors. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 75, 103166.   | 4.4 | 11        |
| 35 | Brazilian Renewable Carbon Capture and Geological Storage Map: Possibilities for the Paraná Basin. <i>Energy Procedia</i> , 2013, 37, 6105-6111.   | 1.8 | 10        |
| 36 | Can anaerobic oxidation of methane prevent seafloor gas escape in a warming climate?. <i>Solid Earth</i> , 2019, 10, 1541-1554.  | 2.8 | 10        |

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|----|---|-----|-----------|
| 37 | Adaption of microbial communities to the hostile environment in the Doce River after the collapse of two iron ore tailing dams. <i>Heliyon</i> , 2020, 6, e04778.   | 3.2 | 10        |
| 38 | Kaolinitic meniscus bridges as an indicator of early diagenesis in Nubian sandstones, Sinai, Egypt - discussion. <i>Sedimentology</i> , 2005, 52, 213-217.  | 3.1 | 9         |
| 39 | RESERVOIR QUALITY ASSESSMENT AND PETROFACIES OF THE LOWER CRETACEOUS SILICICLASTIC, CARBONATE AND HYBRID ARENITES FROM THE JEQUITINHONHA BASIN, EASTERN BRAZIL. <i>Journal of Petroleum Geology</i> , 2011, 34, 305-335.                                    | 1.5 | 9         |
| 40 | Geochemical Characterization of Irati And Palermo Formations (Paraná Basin-Southern Brazil) for Shale Oil/Gas Exploration. <i>Energy Technology</i> , 2015, 3, 481-487.   | 3.8 | 9         |
| 41 | Background concentrations and extent of Cu, As, Co, and U contamination in Baltic Sea sediments. <i>Journal of Sea Research</i> , 2021, 176, 102100.  | 1.6 | 9         |
| 42 | Weakened resilience of benthic microbial communities in the face of climate change. <i>ISME Communications</i> , 2022, 2, .   | 4.2 | 9         |
| 43 | Analysis of the Effect of Organic Salts Derived from L-Phenylalanine Amino Acid as Kinetic Promoters/Inhibitors of CO <sub>2</sub> Hydrates. <i>Energy &amp; Fuels</i> , 2021, 35, 8095-8101.   | 5.1 | 8         |
| 44 | Exploratory analysis of the microbial community profile of the municipal solid waste leachate treatment system: A case study. <i>Waste Management</i> , 2022, 141, 125-135.   | 7.4 | 8         |
| 45 | The First Brazilian Field Lab Fully Dedicated to CO <sub>2</sub> MMV Experiments: From the Start-up to the Initial Results. <i>Energy Procedia</i> , 2014, 63, 6227-6238.   | 1.8 | 7         |
| 46 | Post-failure Processes on the Continental Slope of the Central Nile Deep-Sea Fan: Interactions Between Fluid Seepage, Sediment Deformation and Sediment-Wave Construction. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 117-127. | 1.1 | 7         |
| 47 | High-Pressure and Automatized System for Study of Natural Gas Hydrates. <i>Energies</i> , 2019, 12, 3064.   | 3.1 | 6         |
| 48 | Molecular and Isotopic Composition of Hydrate-Bound, Dissolved and Free Gases in the Amazon Deep-Sea Fan and Slope Sediments, Brazil. <i>Geosciences (Switzerland)</i> , 2019, 9, 73.   | 2.2 | 6         |
| 49 | Modelling methane hydrate stability changes and gas release due to seasonal oscillations in bottom water temperatures on the Rio Grande cone, offshore southern Brazil. <i>Marine and Petroleum Geology</i> , 2020, 112, 104071.                            | 3.3 | 6         |
| 50 | Potencial uso de serpentinito no armazenamento mineral do CO <sub>2</sub> . <i>Química Nova</i> , 2013, 36, 773-777.  | 0.3 | 4         |
| 51 | Extensive dispersion of metals from hemiboreal acid sulfate soil into adjacent drain and wetland. <i>Applied Geochemistry</i> , 2022, 136, 105170.  | 3.0 | 4         |
| 52 | Removal and potential recovery of dissolved metals from acid sulfate soil drainage by spent coffee-grounds and dissolved organic carbon. <i>Environmental Advances</i> , 2022, 8, 100193.   | 4.8 | 4         |
| 53 | The response of metal mobilization and redistribution to reoxygenation in Baltic Sea anoxic sediments. <i>Science of the Total Environment</i> , 2022, 837, 155809.   | 8.0 | 4         |
| 54 | Origin and Alteration of Organic Matter in Hydrate-Bearing Sediments of the Rio Grande Cone, Brazil: Evidence from Biological, Physical, and Chemical Factors. <i>Radiocarbon</i> , 2020, 62, 197-206.  | 1.8 | 3         |

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|----|--|-----|-----------|
| 55 | Distinct deep subsurface microbial communities in two sandstone units separated by a mudstone layer. <i>Geosciences Journal</i> , 2020, 24, 267-274.   | 1.2 | 3         |
| 56 | Connectivity of Fennoscandian Shield terrestrial deep biosphere microbiomes with surface communities. <i>Communications Biology</i> , 2022, 5, 37.   | 4.4 | 3         |
| 57 | Assessment of the Geological Disposal of Carbon Dioxide and Radioactive Waste in Brazil, and Some Comparative Aspects of Their Disposal in Argentina. <i>Advances in Global Change Research</i> , 2011, , 589-611.           | 1.6 | 2         |
| 58 | Comparative assessment between different sample preparation methodologies for PTGA CO <sub>2</sub> adsorption assays – Pellet, powder, and fragment samples. <i>Adsorption Science and Technology</i> , 2018, 36, 1441-1455. | 3.2 | 2         |
| 59 | Effect of time on the carbonation reaction of saline aquifers with controlled pH. <i>Energy Procedia</i> , 2011, 4, 4546-4551.   | 1.8 | 1         |
| 60 | Study of Gas Tracers for CO <sub>2</sub> monitoring. <i>Energy Procedia</i> , 2014, 63, 3864-3868.   | 1.8 | 1         |
| 61 | Fluid Seepage in Relation to Seabed Deformation on the Central Nile Deep-Sea Fan, Part 1: Evidence from Sidescan Sonar Data. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 129-139.                | 1.1 | 1         |
| 62 | CO <sub>2</sub> MOVE Project: The New Brazilian Field Lab Fully Dedicated to CO <sub>2</sub> MMV Experiments. <i>Energy Procedia</i> , 2017, 114, 3699-3715.   | 1.8 | 1         |
| 63 | Influence of Alkaline Additives and Buffers on Mineral Trapping of CO <sub>2</sub> under Mild Conditions. <i>Chemical Engineering and Technology</i> , 2018, 41, 573-579.  | 1.5 | 1         |
| 64 | Organic salts as kinetic and thermodynamic inhibitors for CO <sub>2</sub> hydrate precipitation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 82, 103508.   | 4.4 | 1         |
| 65 | Sedimenta  o do Canal de Vit ria Estado do Esp rito Santo - Brasil. <i>Pesquisas Em Geociencias</i> , 1993, 20, 107.   | 0.1 | 1         |
| 66 | CARBONATA  O DO BASALTO E SEU POTENCIAL USO NO ARMAZENAMENTO DE CO <sub>2</sub> . <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2013, 10, 43-49.  | 0.2 | 1         |
| 67 | Integration Results of Soil CO <sub>2</sub> Flux and Subsurface Gases in the Ressacada Pilot site, Southern Brazil. <i>Energy Procedia</i> , 2017, 114, 3793-3804.   | 1.8 | 0         |
| 68 | CO <sub>2</sub> -water-rock interactions in undeformed and sheared claystone caprocks from Northern Europe. , 2021, 11, 232-250.   |     | 0         |
| 69 | A New Dynamic Modeling Approach to Predict Microbial Methane Generation and Consumption in Marine Sediments. <i>Energies</i> , 2021, 14, 5671.   | 3.1 | 0         |
| 70 | Din mica Sedimentar da Parte Oriental da Ba a de Paranagu , Brasil. <i>Pesquisas Em Geociencias</i> , 1991, 18, 128.   | 0.1 | 0         |
| 71 | Genomic, biochemical, and phylogenetic evaluation of bacteria isolated from deep-sea sediment harboring methane hydrates. <i>Archives of Microbiology</i> , 2022, 204, 205.  | 2.2 | 0         |