

Marcelo Ketzer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9477752/publications.pdf>

Version: 2024-02-01

71
papers

2,331
citations

394286

19
h-index

214721

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.	1.6	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.	0.7	462
3	Water-rock-CO ₂ 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.	1.4	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.	0.8	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.	1.6	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.	0.8	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.	1.9	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.	1.5	69
9	Gas hydrate dissociation linked to contemporary ocean warming in the southern hemisphere. <i>Nature Communications</i> , 2020, 11, 3788.	5.8	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.	1.5	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.	0.9	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.	0.6	34
13	Predictive distribution of shallow marine, low-porosity (pseudomatrix-rich) sandstones in a sequence stratigraphic framework: an example from the Ferron sandstone, Upper Cretaceous, USA. <i>Marine and Petroleum Geology</i> , 2006, 23, 29-36.	1.5	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.	0.9	26
15	CO ₂ 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 ₂ sequestration potential of Charqueadas coal field in Brazil. <i>International Journal of Coal Geology</i> , 2013, 106, 25-34.	1.9	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.	2.7	21

#	ARTICLE	IF	CITATIONS
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.	3.7	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.	0.7	21
21	Dickite in shallow oil reservoirs from Recôncavo Basin, Brazil: diagenetic implications for basin evolution. <i>Clay Minerals</i> , 2008, 43, 213-233.	0.2	19
22	The CARBMAP project: Matching CO ₂ 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.	0.9	18
24	Gas seeps and gas hydrates in the Amazon deep-sea fan. <i>Geo-Marine Letters</i> , 2018, 38, 429-438.	0.5	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.	1.8	17
26	CO ₂ 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.	0.9	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.	1.0	13
29	Baltic Sea sediments record anthropogenic loads of Cd, Pb, and Zn. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6162-6175.	2.7	13
30	Classification of Fuel Blends Using Exploratory Analysis with Combined Data from Infrared Spectroscopy and Stable Isotope Analysis. <i>Energy & Fuels</i> , 2017, 31, 523-532.	2.5	12
31	3D controlled-source electromagnetic imaging of gas hydrates: Insights from the Pelotas Basin offshore Brazil. <i>Interpretation</i> , 2019, 7, SH111-SH131.	0.5	12
32	A Comparison of Three Methods for Monitoring CO ₂ 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.	0.3	11
34	Synthesis of new CO ₂ hydrate inhibitors. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 75, 103166.	2.1	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.	1.2	10

#	ARTICLE	IF	CITATIONS
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.	1.4	10
38	Kaolinitic meniscus bridges as an indicator of early diagenesis in Nubian sandstones, Sinai, Egypt - discussion. <i>Sedimentology</i> , 2005, 52, 213-217.	1.6	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.	0.9	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.	1.8	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.	0.6	9
42	Weakened resilience of benthic microbial communities in the face of climate change. <i>ISME Communications</i> , 2022, 2, .	1.7	9
43	Analysis of the Effect of Organic Salts Derived from <i>l</i> -Phenylalanine Amino Acid as Kinetic Promoters/Inhibitors of CO ₂ Hydrates. <i>Energy & Fuels</i> , 2021, 35, 8095-8101.	2.5	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.	3.7	8
45	The First Brazilian Field Lab Fully Dedicated to CO ₂ 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.	1.6	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.	1.0	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.	1.5	6
50	Potencial uso de serpentinito no armazenamento mineral do CO ₂ . <i>Quimica 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.	1.4	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.	2.2	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.	3.9	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.	0.8	3

#	ARTICLE	IF	CITATIONS
55	Distinct deep subsurface microbial communities in two sandstone units separated by a mudstone layer. <i>Geosciences Journal</i> , 2020, 24, 267-274.	0.6	3
56	Connectivity of Fennoscandian Shield terrestrial deep biosphere microbiomes with surface communities. <i>Communications Biology</i> , 2022, 5, 37.	2.0	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 ₂ adsorption assays: Pellet, powder, and fragment samples. <i>Adsorption Science and Technology</i> , 2018, 36, 1441-1455.	1.5	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 ₂ 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 ₂ MOVE Project: The New Brazilian Field Lab Fully Dedicated to CO ₂ 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 ₂ under Mild Conditions. <i>Chemical Engineering and Technology</i> , 2018, 41, 573-579.	0.9	1
64	Organic salts as kinetic and thermodynamic inhibitors for CO ₂ hydrate precipitation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 82, 103508.	2.1	1
65	Sedimentação do Canal de Vitória Estado do Espírito Santo - Brasil. <i>Pesquisas Em Geociencias</i> , 1993, 20, 107.	0.1	1
66	CARBONATAÇÃO DO BASALTO E SEU POTENCIAL USO NO ARMAZENAMENTO DE CO ₂ . <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2013, 10, 43-49.	0.1	1
67	Integration Results of Soil CO ₂ Flux and Subsurface Gases in the Ressacada Pilot site, Southern Brazil. <i>Energy Procedia</i> , 2017, 114, 3793-3804.	1.8	0
68	CO ₂ -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.	1.6	0
70	Dinâmica Sedimentar da Parte Oriental da Baía de Paranaguá, 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.	1.0	0