

Ben Norden

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,125
citations

471061

17
h-index

395343

33
g-index

48
all docs

48
docs citations

48
times ranked

735
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Baseline characterization of the CO ₂ SINK geological storage site at Ketzin, Germany. <i>Environmental Geosciences</i> , 2006, 13, 145-161. | 0.6 | 219 |
| 2 | 3D baseline seismics at Ketzin, Germany: The CO ₂ SINK project. <i>Geophysics</i> , 2007, 72, B121-B132. | 1.4 | 107 |
| 3 | Thermal conductivity and radiogenic heat production of sedimentary and magmatic rocks in the Northeast German Basin. <i>AAPG Bulletin</i> , 2006, 90, 939-962. | 0.7 | 72 |
| 4 | CO ₂ Storage at the Ketzin Pilot Site, Germany: Fourth Year of Injection, Monitoring, Modelling and Verification. <i>Energy Procedia</i> , 2013, 37, 6434-6443. | 1.8 | 72 |
| 5 | Heat flow and lithospheric thermal regime in the Northeast German Basin. <i>Tectonophysics</i> , 2008, 460, 215-229. | 0.9 | 71 |
| 6 | Geological modelling of the Triassic Stuttgart Formation at the Ketzin CO ₂ storage site, Germany. <i>International Journal of Greenhouse Gas Control</i> , 2013, 19, 756-774. | 2.3 | 58 |
| 7 | Application of the continuous wavelet transform on seismic data for mapping of channel deposits and gas detection at the CO ₂ SINK site, Ketzin, Germany. <i>Geophysical Prospecting</i> , 2009, 57, 111-123. | 1.0 | 51 |
| 8 | 3D seismic travelttime tomography imaging of the shallow subsurface at the CO ₂ SINK project site, Ketzin, Germany. <i>Geophysics</i> , 2009, 74, G1-G15. | 1.4 | 44 |
| 9 | Geological 3-D model of the larger Altensalzwedel area, Germany, for temperature prognosis and reservoir simulation. <i>Environmental Earth Sciences</i> , 2012, 67, 511-526. | 1.3 | 33 |
| 10 | A Dynamic Flow Simulation Code Intercomparison based on the Revised Static Model of the Ketzin Pilot Site. <i>Energy Procedia</i> , 2013, 40, 418-427. | 1.8 | 33 |
| 11 | Review on geophysical monitoring of CO ₂ injection at Ketzin, Germany. <i>Journal of Petroleum Science and Engineering</i> , 2016, 139, 112-136. | 2.1 | 30 |
| 12 | Fluid-rock interactions in a geothermal Rotliegend/Permo-Carboniferous reservoir (North German) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 | 1.4 | 24 |
| 13 | Temperature and pressure corrections applied to rock thermal conductivity: impact on subsurface temperature prognosis and heat-flow determination in geothermal exploration. <i>Geothermal Energy</i> , 2020, 8, . | 0.9 | 24 |
| 14 | Modelling the geoelectric and seismic reservoir response caused by carbon dioxide injection based on multiphase flow simulation: Results from the CO ₂ SINK project. <i>Chemie Der Erde</i> , 2010, 70, 173-183. | 0.8 | 23 |
| 15 | Matching Pressure Measurements and Observed CO ₂ Arrival Times with Static and Dynamic Modelling at the Ketzin Storage site. <i>Energy Procedia</i> , 2015, 76, 623-632. | 1.8 | 22 |
| 16 | The use of tracers to assess drill-mud penetration depth into sandstone cores during deep drilling: method development and application. <i>Environmental Earth Sciences</i> , 2013, 70, 3727-3738. | 1.3 | 20 |
| 17 | Drilling and Abandonment Preparation of CO ₂ storage wells â€“ Experience from the Ketzin pilot site. <i>Energy Procedia</i> , 2014, 63, 6067-6078. | 1.8 | 17 |
| 18 | Modeling 3D time-lapse seismic response induced by CO ₂ by integrating borehole and 3D seismic data â€“ A case study at the Ketzin pilot site, Germany. <i>International Journal of Greenhouse Gas Control</i> , 2015, 36, 66-77. | 2.3 | 16 |

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|----|---|-----|-----------|
| 19 | Numerical modeling of the pumping tests at the Ketzin pilot site for CO ₂ injection: Model calibration and heterogeneity effects. <i>International Journal of Greenhouse Gas Control</i> , 2014, 22, 200-212. | 2.3 | 15 |
| 20 | A new database structure for the IHFC Global Heat Flow Database. <i>International Journal of Terrestrial Heat Flow and Applications</i> , 2021, 4, 1-14. | 0.1 | 14 |
| 21 | 3D seismic reflection surveying at the CO ₂ SINK project site, Ketzin, Germany: a study for extracting shallow subsurface information. <i>Near Surface Geophysics</i> , 2009, 7, 75-91. | 0.6 | 13 |
| 22 | CO ₂ Storage Uncertainty and Risk Assessment for the Post-closure Period at the Ketzin Pilot Site in Germany. <i>Energy Procedia</i> , 2014, 63, 4758-4765. | 1.8 | 13 |
| 23 | 3-D seismic exploration across the deep geothermal research platform Groÿ Schÿnebeck north of Berlin/Germany. <i>Geothermal Energy</i> , 2019, 7, . | 0.9 | 13 |
| 24 | Wavelet transform-based seismic facies classification and modelling: application to a geothermal target horizon in the NE German Basin. <i>Geophysical Prospecting</i> , 2020, 68, 466-482. | 1.0 | 12 |
| 25 | Surface heat flow and lithosphere thermal structure of the Rhenohercynian Zone in the greater Luxembourg region. <i>Geothermics</i> , 2015, 56, 93-109. | 1.5 | 11 |
| 26 | Fully coupled inversion on a multi-physical reservoir model – Part I: Theory and concept. <i>International Journal of Greenhouse Gas Control</i> , 2018, 75, 262-272. | 2.3 | 11 |
| 27 | Impact of drilling mud on chemistry and microbiology of an Upper Triassic groundwater after drilling and testing an exploration well for aquifer thermal energy storage in Berlin (Germany). <i>Environmental Earth Sciences</i> , 2018, 77, 1. | 1.3 | 9 |
| 28 | Feasibility of utilizing wavelet phase to map the CO ₂ plume at the Ketzin pilot site, Germany. <i>Geophysical Prospecting</i> , 2017, 65, 523-543. | 1.0 | 8 |
| 29 | Wireline distributed acoustic sensing allows 4.2-km deep vertical seismic profiling of the Rotliegend 150°C geothermal reservoir in the North German Basin. <i>Solid Earth</i> , 2021, 12, 521-537. | 1.2 | 8 |
| 30 | Surface cracks – geomorphological indicators for late Quaternary halotectonic movements in Northern Germany. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2963-2983. | 1.2 | 7 |
| 31 | Lithological and Petrophysical Core-Log Interpretation in CO ₂ SINK, the European CO ₂ Onshore Research Storage and Verification Project. , 2008, , . | | 6 |
| 32 | Modelling of the near-surface groundwater flow system at the CO ₂ SINK site Ketzin, Germany. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2011, 162, 63-77. | 0.1 | 6 |
| 33 | Revising the Static Geological Reservoir Model of the Upper Triassic Stuttgart Formation at the Ketzin Pilot Site for CO ₂ Storage by Integrated Inverse Modelling. <i>Energies</i> , 2017, 10, 1559. | 1.6 | 6 |
| 34 | Effect of cold and hot water injection on the chemical and microbial composition of an aquifer and implication for its use as an aquifer thermal energy storage. <i>Geothermics</i> , 2020, 84, 101747. | 1.5 | 6 |
| 35 | Joint Research Project CO ₂ MAN (CO ₂ MAN Reservoir Management): Continuation of Research and Development Work for CO ₂ Storage at the Ketzin Pilot Site. <i>Advanced Technologies in Earth Sciences</i> , 2015, , 1-32. | 0.9 | 6 |
| 36 | The Thermal Diffusivity of Sedimentary Rocks: Empirical Validation of a Physically Based $\lambda \pm \hat{\alpha}^{-1}$ Relation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020595. | 1.4 | 5 |

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|----|--|------|-----------|
| 37 | Inverse modelling of hydraulic testing to revise the static reservoir model of the Stuttgart Formation at the Ketzin pilot site. Energy Procedia, 2017, 125, 640-649. | 1.8 | 4 |
| 38 | Geophysical monitoring of the injection and postclosure phases at the Ketzin pilot site. , 2020, , 523-561. | | 4 |
| 39 | Monitoring of the gas composition and stable carbon isotopes during side track drilling in Ktzi 203 at the Ketzin CO ₂ storage pilot site, Germany. Advances in Geosciences, 0, 45, 7-11. | 12.0 | 2 |
| 40 | Fully Coupled Hydrogeophysical Inversion of Hydraulics, Gas Pressure and Geoelectrics. Energy Procedia, 2017, 114, 3588-3596. | 1.8 | 1 |
| 41 | Evaluation of Geo-processes. Advanced Technologies in Earth Sciences, 2013, , 53-98. | 0.9 | 1 |
| 42 | Application of seismic complex decomposition on thin layer detection of the CO ₂ plume at Ketzin, Germany. , 2015, , . | | 1 |