# Reinhard Gaupp

List of Publications by Year
in descending order



| 38 | 1,360 | 279798 | 345221 |
|---|---|---|---|
| papers | citations | 23 h-index | 36 g-index |

| 38 | 38 | 38 | 1546 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Provenance of Cretaceous synorogenic sandstones in the Eastern Alps: constraints from framework petrography, heavy mineral analysis and mineral chemistry. Sedimentary Geology, 1999, 124, 81-111. | 2.1 | 168 |
| 2 | Spectroscopic characterization of iron ores formed in different geological environments using FTIR, XPS, MÃ¶ssbauer spectroscopy and thermoanalyses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1816-1826. | 3.9 | 105 |
| 3 | The Molecular Composition of Dissolved Organic Matter in Forest Soils as a Function of pH and Temperature. PLoS ONE, 2015, 10, e0119188. | 2.5 | 83 |
| 4 | Structure-related geochemical (REE) and isotopic (K-Ar, Rb-Sr, Î´18O) characteristics of clay minerals from Rotliegend sandstone reservoirs (Permian, northern Germany). Geochimica Et Cosmochimica Acta, 1999, 63, 2805-2823. | 3.9 | 76 |
| 5 | Latitude and pH driven trends in the molecular composition of DOM across a north south transect along the Yenisei River. Geochimica Et Cosmochimica Acta, 2013, 123, 93-105. | 3.9 | 67 |
| 6 | Correlation between hydrogen isotope ratios of lipid biomarkers and sediment maturity. Geochimica Et Cosmochimica Acta, 2005, 69, 5517-5530. | 3.9 | 64 |
| 7 | Provenance of Cretaceous clastics in the Subhercynian Basin: constraints to exhumation of the Harz Mountains and timing of inversion tectonics in Central Europe. International Journal of Earth Sciences, 2008, 97, 1315-1330. | 1.8 | 52 |
| 8 | Products and timing of diagenetic processes in Upper Rotliegend sandstones from Bebertal (North) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 1.5 | 48 |
| 9 | Change of black shale organic material surface area during oxidative weathering: Implications for rock-water surface evolution. Geochimica Et Cosmochimica Acta, 2005, 69, 1213-1224. | 3.9 | 46 |
| 10 | Ecosystemâ€Specific Composition of Dissolved Organic Matter. Vadose Zone Journal, 2014, 13, 1-10. | 2.2 | 46 |
| 11 | The impact of diagenetic fluidâ€“rock reactions on Rotliegend sandstone composition and petrophysical properties (Altmark area, central Germany). Environmental Earth Sciences, 2012, 67, 369-384. | 2.7 | 41 |
| 12 | Mineralogical and geochemical investigations of the Middle Eocene ironstones, El Bahariya Depression, Western Desert, Egypt. Gondwana Research, 2012, 22, 717-736. | 6.0 | 38 |
| 13 | 40Ar/39Ar laser-probe dating of detrital white micas from Cretaceous sedimentary rocks of the Eastern Alps: Evidence for Variscan high-pressure metamorphism and implications for Alpine orogeny. Geology, 1996, 24, 691. | 4.4 | 37 |
| 14 | Importance of mineral surface areas in Rotliegend sandstones for modeling CO2â€“waterâ€“rock interactions. Chemical Geology, 2014, 378-379, 89-109. | 3.3 | 37 |
| 15 | Experimental and numerical investigations on CO2 injection and enhanced gas recovery effects in Altmark gas field (Central Germany). Acta Geotechnica, 2014, 9, 39-47. | 5.7 | 36 |
| 16 | Mineral Reactions in the Geological Underground Induced by H2 and CO2 Injections. Energy Procedia, 2014, 63, 8026-8035. | 1.8 | 34 |
| 17 | Identification of minerals and organic materials in Middle Eocene ironstones from the Bahariya Depression in the Western Desert of Egypt by means of microâ€Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 405-410. | 2.5 | 33 |
| 18 | Contrasting red bed diagenesis: the southern and northern margin of the Central European Basin. International Journal of Earth Sciences, 2005, 94, 897-916. | 1.8 | 31 |

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|---|---|---|---|
| 19 | Facies analysis and palaeoclimatic significance of ironstones formed during the Eocene greenhouse. Sedimentology, 2014, 61, 1594-1624. | 3.1 | 30 |
| 20 | Zircon size-age sorting and source-area effect: The German Triassic Buntsandstein Group. Sedimentary Geology, 2018, 375, 218-231. | 2.1 | 30 |
| 21 | The chemical dissolution and physical migration of minerals induced during CO2 laboratory experiments: their relevance for reservoir quality. Environmental Earth Sciences, 2015, 73, 7029-7042. | 2.7 | 27 |
| 22 | Mineralogical and geochemical alteration of low-grade metamorphic black slates due to oxidative weathering. Chemie Der Erde, 2009, 69, 127-142. | 2.0 | 26 |
| 23 | Carbonate diagenesis and feldspar alteration in fracture-related bleaching zones (Buntsandstein,) Tj ETQq1 1 0.784314 rgBT /Overloc<br>Earth Sciences, 2012, 101, 159-176. | 1.8 | 25 |
| 24 | Grain-rimming kaolinite in Permian Rotliegend reservoir rocks. Sedimentary Geology, 2016, 335, 17-33. | 2.1 | 24 |
| 25 | Multi-scale rock surface area quantificationâ€"a systematic method to evaluate the reactive surface area of rocks. Chemie Der Erde, 2004, 64, 241-256. | 2.0 | 22 |
| 26 | Timing of fluid flow in a sandstone reservoir of the north German Rotliegend (Permian) by K-Ar dating of related hydrothermal illite. Geological Society Special Publication, 1998, 144, 91-106. | 1.3 | 21 |
| 27 | Reconstruction of palaeohydrological conditions in a lagoon during the 2nd Zechstein cycle through simultaneous use of ?D values of individual n-alkanes and ?18O and ?13C values of carbonates. International Journal of Earth Sciences, 2004, 93, 554. | 1.8 | 20 |
| 28 | Diagenesis and reservoir quality of Rotliegend sandstones in the northern Netherlandsâ€"A Review. , 2011, , 193-226. | | 14 |
| 29 | The Relevance of Mineral Mobilization and -Dissolution on the Reservoir Quality of Sandstones in CO2 Storage Sites. Energy Procedia, 2014, 59, 390-396. | 1.8 | 11 |
| 30 | Mudstone/sandstone ratio control on carbonate cementation and reservoir quality in Upper Permian Rotliegend sandstones, offshore the Netherlands. Marine and Petroleum Geology, 2020, 115, 104293. | 3.3 | 11 |
| 31 | The H2STORE Project: Hydrogen Underground Storage â€“ A Feasible Way in Storing Electrical Power in Geological Media?. Springer Series in Geomechanics and Geoengineering, 2013, , 395-412. | 0.1 | 11 |
| 32 | 40Ar/39Ar laser probe dating of detrital white micas from Cretaceous sedimentary rocks of the Eastern Alps: Evidence for Variscan high-pressure metamorphism and implications for Alpine orogeny: Comment and Reply. Geology, 1997, 25, 765. | 4.4 | 9 |
| 33 | Petrophysical, facies and mineralogical-geochemical investigations of Rotliegend sandstones from the Altmark natural gas field in Central Germany. Energy Procedia, 2011, 4, 4648-4655. | 1.8 | 9 |
| 34 | Subsurface aquifer heterogeneities of Lower Triassic clastic sediments in central Germany. Marine and Petroleum Geology, 2018, 97, 209-222. | 3.3 | 9 |
| 35 | On the origin of bleaching phenomena in red bed sediments of Triassic Buntsandstein deposits in Central Germany. Chemie Der Erde, 2021, 81, 125736. | 2.0 | 9 |
| 36 | Alteration as possible cause for transition from brittle failure to aseismic slip: the case of the NW-Bohemia / Vogtland earthquake swarm region. Journal of Geodynamics, 2019, 124, 79-92. | 1.6 | 6 |

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|---|---|---|---|
| 37 | X-ray CT analyses, models and numerical simulations: a comparison with petrophysical analyses in an experimental CO<sub>2</sub> study. Solid Earth, 2016, 7, 917-927. | 2.8 | 4 |
| 38 | Sandsteindiagenese. , 2021, , 397-461. | | 0 |