

# Reinhard Gaupp

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,360  
citations

279798

23  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1546  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the origin of bleaching phenomena in red bed sediments of Triassic Buntsandstein deposits in Central Germany. <i>Chemie Der Erde</i> , 2021, 81, 125736.	2.0	9
2	Sandsteindiagenese. , 2021, , 397-461.		0
3	Mudstone/sandstone ratio control on carbonate cementation and reservoir quality in Upper Permian Rotliegend sandstones, offshore the Netherlands. <i>Marine and Petroleum Geology</i> , 2020, 115, 104293.	3.3	11
4	Alteration as possible cause for transition from brittle failure to aseismic slip: the case of the NW-Bohemia / Vogtland earthquake swarm region. <i>Journal of Geodynamics</i> , 2019, 124, 79-92.	1.6	6
5	Zircon size-age sorting and source-area effect: The German Triassic Buntsandstein Group. <i>Sedimentary Geology</i> , 2018, 375, 218-231.	2.1	30
6	Subsurface aquifer heterogeneities of Lower Triassic clastic sediments in central Germany. <i>Marine and Petroleum Geology</i> , 2018, 97, 209-222.	3.3	9
7	X-ray CT analyses, models and numerical simulations: a comparison with petrophysical analyses in an experimental CO <sub>2</sub> study. <i>Solid Earth</i> , 2016, 7, 917-927.	2.8	4
8	Grain-rimming kaolinite in Permian Rotliegend reservoir rocks. <i>Sedimentary Geology</i> , 2016, 335, 17-33.	2.1	24
9	The chemical dissolution and physical migration of minerals induced during CO <sub>2</sub> laboratory experiments: their relevance for reservoir quality. <i>Environmental Earth Sciences</i> , 2015, 73, 7029-7042.	2.7	27
10	The Molecular Composition of Dissolved Organic Matter in Forest Soils as a Function of pH and Temperature. <i>PLoS ONE</i> , 2015, 10, e0119188.	2.5	83
11	Spectroscopic characterization of iron ores formed in different geological environments using FTIR, XPS, Mössbauer spectroscopy and thermoanalyses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1816-1826.	3.9	105
12	Facies analysis and palaeoclimatic significance of ironstones formed during the Eocene greenhouse. <i>Sedimentology</i> , 2014, 61, 1594-1624.	3.1	30
13	Experimental and numerical investigations on CO <sub>2</sub> injection and enhanced gas recovery effects in Altmark gas field (Central Germany). <i>Acta Geotechnica</i> , 2014, 9, 39-47.	5.7	36
14	Importance of mineral surface areas in Rotliegend sandstones for modeling CO <sub>2</sub> -water-rock interactions. <i>Chemical Geology</i> , 2014, 378-379, 89-109.	3.3	37
15	Mineral Reactions in the Geological Underground Induced by H <sub>2</sub> and CO <sub>2</sub> Injections. <i>Energy Procedia</i> , 2014, 63, 8026-8035.	1.8	34
16	The Relevance of Mineral Mobilization and -Dissolution on the Reservoir Quality of Sandstones in CO <sub>2</sub> Storage Sites. <i>Energy Procedia</i> , 2014, 59, 390-396.	1.8	11
17	Ecosystem-specific Composition of Dissolved Organic Matter. <i>Vadose Zone Journal</i> , 2014, 13, 1-10.	2.2	46
18	Latitude and pH driven trends in the molecular composition of DOM across a north south transect along the Yenisei River. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 93-105.	3.9	67

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19	The H2STORE Project: Hydrogen Underground Storage – A Feasible Way in Storing Electrical Power in Geological Media?. Springer Series in Geomechanics and Geoenvironmental Engineering, 2013, , 395-412.	0.1	11
20	Products and timing of diagenetic processes in Upper Rotliegend sandstones from Bebertal (North) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	48
21	The impact of diagenetic fluid–rock reactions on Rotliegend sandstone composition and petrophysical properties (Altmark area, central Germany). Environmental Earth Sciences, 2012, 67, 369-384.	2.7	41
22	Identification of minerals and organic materials in Middle Eocene ironstones from the Bahariya Depression in the Western Desert of Egypt by means of micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 405-410.	2.5	33
23	Mineralogical and geochemical investigations of the Middle Eocene ironstones, El Bahariya Depression, Western Desert, Egypt. Gondwana Research, 2012, 22, 717-736.	6.0	38
24	Carbonate diagenesis and feldspar alteration in fracture-related bleaching zones (Buntsandstein,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Earth Sciences, 2012, 101, 159-176.	1.8	25
25	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
26	Diagenesis and reservoir quality of Rotliegend sandstones in the northern Netherlands – A Review. , 2011, , 193-226.		14
27	Mineralogical and geochemical alteration of low-grade metamorphic black slates due to oxidative weathering. Chemie Der Erde, 2009, 69, 127-142.	2.0	26
28	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
29	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
30	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
31	Correlation between hydrogen isotope ratios of lipid biomarkers and sediment maturity. Geochimica Et Cosmochimica Acta, 2005, 69, 5517-5530.	3.9	64
32	Reconstruction of palaeohydrological conditions in a lagoon during the 2nd Zechstein cycle through simultaneous use of $\delta D$ values of individual n-alkanes and $\delta^{18}O$ and $\delta^{13}C$ values of carbonates. International Journal of Earth Sciences, 2004, 93, 554.	1.8	20
33	Multi-scale rock surface area quantification – a systematic method to evaluate the reactive surface area of rocks. Chemie Der Erde, 2004, 64, 241-256.	2.0	22
34	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
35	Structure-related geochemical (REE) and isotopic (K-Ar, Rb-Sr, $\delta^{18}O$ ) characteristics of clay minerals from Rotliegend sandstone reservoirs (Permian, northern Germany). Geochimica Et Cosmochimica Acta, 1999, 63, 2805-2823.	3.9	76
36	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

#	ARTICLE	IF	CITATIONS
37	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. <i>Geology</i> , 1997, 25, 765.	4.4	9
38	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. <i>Geology</i> , 1996, 24, 691.	4.4	37