

# Torsten Vennemann

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167 papers	13,749 citations	39 h-index	116 g-index
172 ext. papers	14,657 ext. citations	3.9 avg, IF	6.98 L-index

#	Paper	IF	Citations
167	The driving mechanisms of the carbon cycle perturbations in the late Pliensbachian (Early Jurassic). <i>Scientific Reports</i> , <b>2019</b> , 9, 18430	4.9	8811
166	Continuous-flow isotope ratio mass spectrometric analysis of carbonate minerals. <i>Rapid Communications in Mass Spectrometry</i> , <b>2003</b> , 17, 1004-6	2.2	475
165	Oxygen isotope analysis of phosphates: a comparison of techniques for analysis of Ag <sub>3</sub> PO <sub>4</sub> . <i>Chemical Geology</i> , <b>2002</b> , 185, 321-336	4.2	259
164	An empirical model for the solubility of H <sub>2</sub> O in magmas to 3 kilobars. <i>American Mineralogist</i> , <b>1998</b> , 83, 36-42	2.9	232
163	Climatic and biotic upheavals following the end-Permian mass extinction. <i>Nature Geoscience</i> , <b>2013</b> , 6, 57-60	18.3	190
162	Boron and Oxygen Isotope Composition of Certified Reference Materials NIST SRM 610/612 and Reference Materials JB-2 and JR-2. <i>Geostandards and Geoanalytical Research</i> , <b>2001</b> , 25, 405-416	3.6	125
161	Effects of speciation on equilibrium fractionations and rates of oxygen isotope exchange between (PO <sub>4</sub> ) <sub>aq</sub> and H <sub>2</sub> O. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 3135-3144	5.5	91
160	Reconstructing paleoelevation in eroded orogens. <i>Geology</i> , <b>2004</b> , 32, 525	5	82
159	The Gr̃ñedal-Ika Carbonatite-Syenite Complex, South Greenland: Carbonatite Formation by Liquid Immiscibility. <i>Journal of Petrology</i> , <b>2004</b> , 46, 191-217	3.9	82
158	The carbon isotope composition of natural SiC (moissanite) from the Earth's mantle: New discoveries from ophiolites. <i>Lithos</i> , <b>2009</b> , 113, 612-620	2.9	77
157	Hydrogen isotope exchange reactions between hydrous minerals and molecular hydrogen: I. A new approach for the determination of hydrogen isotope fractionation at moderate temperatures. <i>Geochimica Et Cosmochimica Acta</i> , <b>1996</b> , 60, 2437-2451	5.5	73
156	Variations of the <sup>44</sup> Ca/ <sup>40</sup> Ca ratio in seawater during the past 24 million years: evidence from <sup>44</sup> Ca and <sup>18</sup> O values of Miocene phosphates. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 2607-2614	5.5	72
155	Nd-, O-, and H-isotopic evidence for complex, closed-system fluid evolution of the peralkaline Il̃maussaq intrusion, south Greenland. <i>Geochimica Et Cosmochimica Acta</i> , <b>2004</b> , 68, 3379-3395	5.5	71
154	Development of fluid conduits in the auriferous shear zones of the Hutti Gold Mine, India: evidence for spatially and temporally heterogeneous fluid flow. <i>Tectonophysics</i> , <b>2004</b> , 378, 65-84	3.1	63
153	Mineral Zoning and Geochemistry of Epithermal Polymetallic Zn-Pb-Ag-Cu-Bi Mineralization at Cerro de Pasco, Peru. <i>Economic Geology</i> , <b>2008</b> , 103, 493-537	4.3	61
152	Arrested kinetic Li isotope fractionation at the margin of the Il̃maussaq complex, South Greenland: Evidence for open-system processes during final cooling of peralkaline igneous rocks. <i>Chemical Geology</i> , <b>2007</b> , 246, 207-230	4.2	58
151	A reassessment of models for hydrocarbon generation in the Khibiny nepheline syenite complex, Kola Peninsula, Russia. <i>Lithos</i> , <b>2006</b> , 91, 1-18	2.9	53

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|-----|---|-----|----|
| 150 | Geochemical and isotopic constraints on the petrogenesis of granitoids from the Dalat zone, southern Vietnam. <i>Journal of Asian Earth Sciences</i> , <b>2004</b> , 23, 467-482  | 2.8 | 53 |
| 149 | Stable isotope evidence for magmatic fluids in the Pueblo Viejo epithermal acid sulfate Au-Ag deposit, Dominican Republic. <i>Economic Geology</i> , <b>1993</b> , 88, 55-71  | 4.3 | 51 |
| 148 | Oxidation of methane at the CH <sub>4</sub> /H <sub>2</sub> O(CO <sub>2</sub> ) transition zone in the external part of the Central Alps, Switzerland: Evidence from stable isotope investigations. <i>Chemical Geology</i> , <b>2007</b> , 237, 329-357  | 4.2 | 50 |
| 147 | Oxygen, strontium, and neodymium isotope composition of fossil shark teeth as a proxy for the palaeoceanography and palaeoclimatology of the Miocene northern Alpine Paratethys. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1998</b> , 142, 107-121                                    | 2.9 | 49 |
| 146 | Constraints on Miocene oceanography and climate in the Western and Central Paratethys: O-, Sr-, and Nd-isotope compositions of marine fish and mammal remains. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 271, 117-129  | 2.9 | 47 |
| 145 | Magmatic Fluids in the Breccia-Hosted Epithermal Au-Ag Deposit of Rosia Montana, Romania. <i>Economic Geology</i> , <b>2006</b> , 101, 923-954  | 4.3 | 46 |
| 144 | Controls on ostracod valve geochemistry: Part 2. Carbon and oxygen isotope compositions. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 7380-7399   | 5.5 | 45 |
| 143 | Sr and Nd isotope composition of Late Pleistocene sapropels and nonsapropelic sediments from the Eastern Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , <b>2002</b> , 66, 3585-3598  | 5.5 | 45 |
| 142 | Microfabrics in carbonate mylonites along a large-scale shear zone (Helvetic Alps). <i>Tectonophysics</i> , <b>2007</b> , 444, 1-26   | 3.1 | 44 |
| 141 | Isotopic composition (O, C, Sr, and Nd) and trace element ratios (Sr/Ca, Mg/Ca) of Miocene marine and brackish ostracods from North Alpine Foreland deposits (Germany and Austria) as indicators for palaeoclimate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2005</b> , 225, 216-247 | 2.9 | 44 |
| 140 | Hydrogen and oxygen isotope behaviors during variable degrees of upper mantle melting: Example from the basaltic glasses from Macquarie Island. <i>Chemical Geology</i> , <b>2012</b> , 310-311, 126-136  | 4.2 | 43 |
| 139 | Nd and Sr isotope compositions in modern and fossil bones [Proxies for vertebrate provenance and taphonomy. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 5951-5970  | 5.5 | 43 |
| 138 | Geochemical study of vertebrate fossils from the Upper Cretaceous (Santonian) Csehbánya Formation (Hungary): Evidence for a freshwater habitat of mosasaurs and pycnodont fish. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 280, 532-542                                     | 2.9 | 43 |
| 137 | Hydrogen and oxygen isotope evidence for origin of MVT-forming brines, southern Appalachians. <i>Geochimica Et Cosmochimica Acta</i> , <b>1997</b> , 61, 1513-1523  | 5.5 | 43 |
| 136 | Understanding snow hydrological processes through the lens of stable water isotopes. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2018</b> , 5, e1311   | 5.7 | 42 |
| 135 | Onset, development, and cessation of basal Early Triassic microbialites (BETM) in the Nanpanjiang pull-apart Basin, South China Block. <i>Gondwana Research</i> , <b>2017</b> , 44, 178-204   | 5.1 | 41 |
| 134 | Stable isotope ecology of Miocene large mammals from Sandelzhausen, southern Germany. <i>Palaontologische Zeitschrift</i> , <b>2009</b> , 83, 207-226   | 1.2 | 41 |
| 133 | Solubility of water in magmas to 2 kbar. <i>Geology</i> , <b>1995</b> , 23, 1099  | 5   | 41 |

132	Multiple fluids involved in granite-related W-Sn deposits from the world-class Jiangxi province (China). <i>Chemical Geology</i> , <b>2019</b> , 508, 92-115	4.2	40
131	Syntectonic fluid-flow along thrust faults: Example of the South-Pyrenean fold-and-thrust belt. <i>Marine and Petroleum Geology</i> , <b>2014</b> , 49, 84-98	4.7	39
130	Migration of sharks into freshwater systems during the Miocene and implications for Alpine paleoelevation. <i>Geology</i> , <b>2007</b> , 35, 451	5	39
129	Ferric-ferrous ratios, H <sub>2</sub> O contents and D/H ratios of phlogopite and biotite from lavas of different tectonic regimes. <i>Contributions To Mineralogy and Petrology</i> , <b>1996</b> , 126, 51-66	3.5	38
128	Preservation of an extreme transient geotherm in the Raft River detachment shear zone. <i>Geology</i> , <b>2011</b> , 39, 759-762	5	37
127	Two stages of gold mineralization at Hutti mine, India. <i>Mineralium Deposita</i> , <b>2013</b> , 48, 99-114	4.8	36
126	Mixing of Rhône River water in Lake Geneva (Switzerland/France) inferred from stable hydrogen and oxygen isotope profiles. <i>Journal of Hydrology</i> , <b>2013</b> , 477, 152-164	6	36
125	Oligo-Miocene extensional tectonics and fluid flow across the Northern Snake Range detachment system, Nevada. <i>Tectonics</i> , <b>2011</b> , 30, n/a-n/a	4.3	36
124	Hydrothermal Fluid Processes and Evolution of the Giant Serra Norte Jaspilite-Hosted Iron Ore Deposits, Carajas Mineral Province, Brazil. <i>Economic Geology</i> , <b>2013</b> , 108, 739-779	4.3	35
123	Carbon isotope excursions and microfacies changes in marine Permian-Triassic boundary sections in Hungary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2006</b> , 237, 160-181	2.9	35
122	Correlations of octahedral cations with OH <sup>+</sup> OH <sup>-</sup> and F <sup>-</sup> in biotite from volcanic rocks and xenoliths. <i>American Mineralogist</i> , <b>2002</b> , 87, 142-153	2.9	35
121	Stable isotope composition of impact glasses from the Nördlinger Ries impact crater, Germany. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 1325-1336	5.5	35
120	Opportunistic feeding strategy for the earliest old world hypsodont equids: evidence from stable isotope and dental wear proxies. <i>PLoS ONE</i> , <b>2013</b> , 8, e74463	3.7	34
119	Megacrystic zircon with planar fractures in miaskite-type nepheline pegmatites formed at high pressures in the lower crust (Ivrea Zone, southern Alps, Switzerland). <i>American Mineralogist</i> , <b>2015</b> , 100, 83-94	2.9	33
118	Siliceous deep-sea sponge <i>Monorhaphis chuni</i> : A potential paleoclimate archive in ancient animals. <i>Chemical Geology</i> , <b>2012</b> , 300-301, 143-151	4.2	33
117	Identification of glacial meltwater runoff in a karstic environment and its implication for present and future water availability. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 3261-3277	5.5	33
116	Unexpected large evasion fluxes of carbon dioxide from turbulent streams draining the world's mountains. <i>Nature Communications</i> , <b>2019</b> , 10, 4888	17.4	31
115	A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes. <i>Quaternary International</i> , <b>2013</b> , 293, 136-149	2	31

114	Ore genesis of Pb-Zn deposits in the Nappe zone of Northern Tunisia: Constraints from Pb-Sr isotopic systems. <i>Ore Geology Reviews</i> , <b>2011</b> , 40, 41-53	3.2	31
113	The Role of a Transcrustal Shear Zone in Orogenic Gold Mineralization at the Ajjanahalli Mine, Dharwar Craton, South India. <i>Economic Geology</i> , <b>2004</b> , 99, 743-759	4.3	31
112	Disequilibrium partitioning of oxygen isotopes associated with sector zoning in quartz. <i>Geology</i> , <b>1995</b> , 23, 1103	5	31
111	Formation of chlorite during thrust fault reactivation. Record of fluid origin and P-T conditions in the Monte Perdido thrust fault (southern Pyrenees). <i>Contributions To Mineralogy and Petrology</i> , <b>2012</b> , 163, 1083-1102	3.5	30
110	Carbon and oxygen isotope halos in the host limestone, El Mochito Zn-Pb-(Ag) skarn massive sulfide-oxide deposit, Honduras. <i>Economic Geology</i> , <b>1998</b> , 93, 15-31	4.3	30
109	Stable isotope profile across the orthoamphibole isograd in the Southern Marginal Zone of the Limpopo Belt, South Africa. <i>Precambrian Research</i> , <b>1992</b> , 55, 365-397	3.9	30
108	New biotite and muscovite isotopic reference materials, USGS57 and USGS58, for $\delta H$ measurements: A replacement for NBS 30. <i>Chemical Geology</i> , <b>2017</b> , 467, 89-99	4.2	29
107	Oxygen isotope sector zoning in natural hydrothermal quartz. <i>Mineralogical Magazine</i> , <b>2009</b> , 73, 615-632	4.7	29
106	Metastable prograde mineral reactions in contact aureoles. <i>Geology</i> , <b>2004</b> , 32, 821	5	29
105	The rate and temperature of reaction of $ClF_3$ with silicate minerals, and their relevance to oxygen isotope analysis. <i>Chemical Geology: Isotope Geoscience Section</i> , <b>1990</b> , 86, 83-88		29
104	Stable isotope compositions of speleothems from the last interglacial: Spatial patterns of climate fluctuations in Europe. <i>Quaternary Science Reviews</i> , <b>2017</b> , 161, 68-80	3.9	28
103	Analytical methods for the measurement of hydrogen isotope composition and water content in clay minerals by TC/EA. <i>Chemical Geology</i> , <b>2014</b> , 363, 229-240	4.2	28
102	Controls on ostracod valve geochemistry, Part 1: Variations of environmental parameters in ostracod (micro-)habitats. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 7364-7379	5.5	28
101	Phosphoric acid fractionation factors for smithsonite and cerussite between 25 and 72°C. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 4049-4055	5.5	28
100	Empirical calibration of the oxygen isotope fractionation between quartz and Fe-Mg-chlorite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 149, 21-31	5.5	27
99	Tinderet volcano, Kenya: an altered natrocarbonatite locality?. <i>Mineralogical Magazine</i> , <b>2013</b> , 77, 213-226	4.7	27
98	The Magmatic to Hydrothermal Evolution of the Intrusive Mont Saint-Hilaire Complex: Insights into the Late-stage Evolution of Peralkaline Rocks. <i>Journal of Petrology</i> , <b>2011</b> , 52, 2147-2185	3.9	27
97	Characteristics and origin of agates in sedimentary rocks from the Dryhead area, Montana, USA. <i>Mineralogical Magazine</i> , <b>2009</b> , 73, 673-690	1.7	27

96	Metamorphic pressure variation in a coherent Alpine nappe challenges lithostatic pressure paradigm. <i>Nature Communications</i> , <b>2019</b> , 10, 4734	17.4	26
95	Into the abyss of Lake Geneva: the elemo interdisciplinary field investigation using the MIR submersibles. <i>Aquatic Sciences</i> , <b>2014</b> , 76, 1-6	2.5	25
94	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2020GC009588	3.6	25
93	Linking megathrust earthquakes to brittle deformation in a fossil accretionary complex. <i>Nature Communications</i> , <b>2015</b> , 6, 7504	17.4	24
92	Genesis of the Jurassic Carbonate-Hosted Pb/Zn Deposits of Jebel Ressas (North-Eastern Tunisia): Evidence from Mineralogy, Petrography and Trace Metal Contents and Isotope (O, C, S, Pb) Geochemistry. <i>Resource Geology</i> , <b>2011</b> , 61, 367-383	1	23
91	Quartz Reference Materials for Oxygen Isotope Analysis by SIMS. <i>Geostandards and Geoanalytical Research</i> , <b>2017</b> , 41, 69-75	3.6	22
90	Stable isotope compositions of quartz pebbles and their fluid inclusions as tracers of sediment provenance: Implications for gold- and uranium-bearing quartz pebble conglomerates. <i>Geology</i> , <b>1992</b> , 20, 837	5	22
89	High-Resolution Spatial Sampling Identifies Groundwater as Driver of CO <sub>2</sub> Dynamics in an Alpine Stream Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 1961-1976	3.7	21
88	Conodont-based Griesbachian biochronology of the Guryul Ravine section (basal Triassic, Kashmir, India). <i>Geobios</i> , <b>2017</b> , 50, 359-387	1.5	20
87	Magmatic-dominated fluid evolution in the Jurassic Nambija gold skarn deposits (southeastern Ecuador). <i>Mineralium Deposita</i> , <b>2009</b> , 44, 389-413	4.8	20
86	Stable isotope composition of smectite in suevites at the Ries crater, Germany: Implications for hydrous alteration of impactites. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 299, 190-195	5.3	19
85	Textural, chemical, and isotopic effects of late-magmatic carbonatitic fluids in the carbonatite-Byenite Tamazeght complex, High Atlas Mountains, Morocco. <i>Mineralogy and Petrology</i> , <b>2009</b> , 97, 23-42	1.6	19
84	Syn-orogenic fluid flow in the Jaca basin (south Pyrenean fold and thrust belt) from fracture and vein analyses. <i>Basin Research</i> , <b>2018</b> , 30, 187-216	3.2	18
83	Rate and processes of river network rearrangement during incipient faulting: The case of the Cahabon River, Guatemala. <i>Numerische Mathematik</i> , <b>2012</b> , 312, 449-507	5.3	18
82	Emplacement of ultramafic rocks into the continental crust monitored by light and other trace elements: An example from the Geisspfad body (Swiss-Italian Alps). <i>Chemical Geology</i> , <b>2008</b> , 255, 143-159	4.2	18
81	Sulfur and lead isotopes of Guern Halfaya and Bou Grine deposits (Domes zone, northern Tunisia): Implications for sources of metals and timing of mineralization. <i>Ore Geology Reviews</i> , <b>2013</b> , 54, 17-28	3.2	17
80	Origin of CO <sub>2</sub> and carbonate veins in mantle-derived xenoliths in the Pannonian Basin. <i>Lithos</i> , <b>2010</b> , 117, 172-182	2.9	17
79	H <sub>2</sub> O-D-FeIII relations of dehydrogenation and dehydration processes in magmatic amphiboles. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 919-925	2.2	17

78	Early Late Permian coupled carbon and strontium isotope chemostratigraphy from South China: Extended Emeishan volcanism?. <i>Gondwana Research</i> , <b>2018</b> , 58, 58-70	5.1	16
77	Caution on the use of NBS 30 biotite for hydrogen-isotope measurements with on-line high-temperature conversion systems. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 1987-94	2.2	16
76	Origin and geochemistry of agates in Permian volcanic rocks of the Sub-Erzgebirge basin, Saxony (Germany). <i>Chemical Geology</i> , <b>2016</b> , 428, 77-91	4.2	15
75	Biotite Reference Materials for Secondary Ion Mass Spectrometry $^{18}\text{O}/^{16}\text{O}$ Measurements. <i>Geostandards and Geoanalytical Research</i> , <b>2017</b> , 41, 243-253	3.6	15
74	Origin of Mineralizing Fluids of the Sediment-Hosted Navachab Gold Mine, Namibia: Constraints from Stable (O, H, C, S) Isotopes. <i>Economic Geology</i> , <b>2010</b> , 105, 285-302	4.3	15
73	Neogene sharks and rays from the Brazilian 'Blue Amazon'. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182740	3.7	15
72	Pliocene and Early Pleistocene paleoenvironmental conditions in the Pannonian Basin (Hungary, Slovakia): Stable isotope analyses of fossil proboscidean and perissodactyl teeth. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2015</b> , 440, 455-466	2.9	14
71	Stable isotope study of a new chondrichthyan fauna (Kimmeridgian, Porrentruy, Swiss Jura): an unusual freshwater-influenced isotopic composition for the hybodont shark &Asteracanthus. <i>Biogeosciences</i> , <b>2015</b> , 12, 6945-6954	4.6	13
70	Strain and permeability gradients traced by stable isotope exchange in the Raft River detachment shear zone, Utah. <i>Journal of Structural Geology</i> , <b>2015</b> , 71, 41-57	3	13
69	Trace element and isotopic fingerprints in HP/T metamorphic rocks as a result of fluid-rock interactions (Ile de Groix, France). <i>Gondwana Research</i> , <b>2013</b> , 23, 880-900	5.1	12
68	Carbon and oxygen isotope zoning around Carlin-type gold deposits: a reconnaissance survey at Twin Creeks, Nevada. <i>Journal of Geochemical Exploration</i> , <b>1998</b> , 63, 105-121	3.8	12
67	Bacterial spores, from ecology to biotechnology. <i>Advances in Applied Microbiology</i> , <b>2019</b> , 106, 79-111	4.9	12
66	Dynamics of the Largest Carbon Isotope Excursion During the Early Triassic Biotic Recovery. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	11
65	Analyse stabiler und radiogener Isotope in archäologischem Skelettmateriale: Herkunftsbestimmung des karolingischen Maultiers von Frankenthal und Vergleich mit spätleistozänen Großsäugerknochen aus den Rheinablagerungen. <i>Praehistorische Zeitschrift</i> , <b>2004</b> , 79,	0.3	11
64	Are Late Permian carbon isotope excursions of local or of global significance?. <i>Bulletin of the Geological Society of America</i> , <b>2020</b> , 132, 521-544	3.9	11
63	Using noble-gas and stable-isotope data to determine groundwater origin and flow regimes: Application to the Ceneri Base Tunnel (Switzerland). <i>Journal of Hydrology</i> , <b>2017</b> , 545, 395-409	6	10
62	Nature and origin of natural Zn clay minerals from the Bou Arhous Zn ore deposit: Evidence from electron microscopy (SEM-TEM) and stable isotope compositions (H and O). <i>Applied Clay Science</i> , <b>2016</b> , 132-133, 377-390	5.2	10
61	Geochemical constraints on the genesis of the Pb-Zn deposit of Jalta (northern Tunisia): Implications for timing of mineralization, sources of metals and relationship to the Neogene volcanism. <i>Chemie Der Erde</i> , <b>2014</b> , 74, 601-613	4.3	10

60	Infiltration of meteoric fluids in an extensional detachment shear zone (Kettle dome, WA, USA): How quartz dynamic recrystallization relates to fluid-rock interaction. <i>Journal of Structural Geology</i> , <b>2015</b> , 71, 71-85	3	10
59	Pliocene-Early Pleistocene climatic trends in the Italian Peninsula based on stable oxygen and carbon isotope compositions of rhinoceros and gomphothere tooth enamel. <i>Quaternary Science Reviews</i> , <b>2017</b> , 157, 52-65	3.9	9
58	Multiple Gold Mineralizing Styles in the Northern Pataz District, Peru. <i>Economic Geology</i> , <b>2016</b> , 111, 355-394	3.4	9
57	Exceptional Multi Stage Mineralization of Secondary Minerals in Cavities of Flood Basalts from the Deccan Volcanic Province, India. <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 351	2.4	9
56	Potential influence of the chemical composition of water on the stable oxygen isotope composition of continental ostracods. <i>Journal of Paleolimnology</i> , <b>2013</b> , 50, 577-582	2.1	9
55	Multi fluid-flow record during episodic mode I opening: A microstructural and SIMS study (Cotiella Thrust Fault, Pyrenees). <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 503, 37-46	5.3	9
54	Evaluation of potential monazite reference materials for oxygen isotope analyses by SIMS and laser assisted fluorination. <i>Chemical Geology</i> , <b>2017</b> , 450, 199-209	4.2	8
53	Stable isotope composition of bentonites from the Swiss and Bavarian Freshwater Molasse as a proxy for paleoprecipitation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2016</b> , 455, 53-64	2.9	8
52	The origin of black colouration in onyx agate from Mali. <i>Mineralogical Magazine</i> , <b>2012</b> , 76, 115-127	1.7	8
51	Amphiboles as indicators of mantle source contamination: Combined evaluation of stable H and O isotope compositions and trace element ratios. <i>Lithos</i> , <b>2012</b> , 152, 141-156	2.9	8
50	Neogene Caribbean elasmobranchs: diversity, paleoecology and paleoenvironmental significance of the Cocinetas Basin assemblage (Guajira Peninsula, Colombia). <i>Biogeosciences</i> , <b>2019</b> , 16, 33-56	4.6	8
49	Fluid-rock interactions related to metamorphic reducing fluid flow in meta-sediments: example of the Pic-de-Port-Vieux thrust (Pyrenees, Spain). <i>Contributions To Mineralogy and Petrology</i> , <b>2017</b> , 172, 1	3.5	7
48	Cold-Water Coral Mound Archive Provides Unique Insights Into Intermediate Water Mass Dynamics in the Alboran Sea During the Last Deglaciation. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	7
47	Evaluating baddeleyite oxygen isotope analysis by secondary ion mass spectrometry (SIMS). <i>Chemical Geology</i> , <b>2018</b> , 479, 113-122	4.2	7
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9	Stable isotope study of a new chondrichthyan fauna (Kimmeridgian, Porrentruy, Swiss Jura): an unusual freshwater-influenced isotopic composition for the hybodont shark <i>Asteracanthus</i>		1
8	Mixing of Rhône River water in Lake Geneva: Seasonal tracing using stable isotope composition of water. <i>Journal of Great Lakes Research</i> , <b>2020</b> , 46, 839-849	3	1
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