

# Sierra V Petersen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4549497/publications.pdf>

Version: 2024-02-01

23  
papers

1,216  
citations

516710

16  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1646  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Past climates inform our future. <i>Science</i> , 2020, 370, .   | 12.6 | 253       |
| 2  | End-Cretaceous extinction in Antarctica linked to both Deccan volcanism and meteorite impact via climate change. <i>Nature Communications</i> , 2016, 7, 12079.  | 12.8 | 167       |
| 3  | Effects of Improved <sup>17</sup> O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519. | 2.5  | 134       |
| 4  | InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009588.  | 2.5  | 110       |
| 5  | Heinrich events triggered by ocean forcing and modulated by isostatic adjustment. <i>Nature</i> , 2017, 542, 332-334.  | 27.8 | 104       |
| 6  | A new mechanism for Dansgaard-Oeschger cycles. <i>Paleoceanography</i> , 2013, 28, 24-30.  | 3.0  | 90        |
| 7  | Temperature and salinity of the Late Cretaceous Western Interior Seaway. <i>Geology</i> , 2016, 44, 903-906.   | 4.4  | 62        |
| 8  | A proxy for all seasons? A synthesis of clumped isotope data from Holocene soil carbonates. <i>Quaternary Science Reviews</i> , 2020, 234, 106259.   | 3.0  | 59        |
| 9  | Antarctic ice growth before and after the Eocene-Oligocene transition: New estimates from clumped isotope paleothermometry. <i>Paleoceanography</i> , 2015, 30, 1305-1317.   | 3.0  | 39        |
| 10 | The effects of Porapak <sup>®</sup> trap temperature on <sup>18</sup> O, <sup>13</sup> C, and <sup>47</sup> values in preparing samples for clumped isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 199-208.  | 1.5  | 25        |
| 11 | Metamorphic evolution, partial melting and rapid exhumation above an ancient flat slab: insights from the San Emigdio Schist, southern California. <i>Journal of Metamorphic Geology</i> , 2011, 29, 601-626.  | 3.4  | 24        |
| 12 | An assessment of latest Cretaceous <i>Pycnodonte vesicularis</i> (Lamarck, 1806) shells as records for palaeoseasonality: a multi-proxy investigation. <i>Climate of the Past</i> , 2018, 14, 725-749.   | 3.4  | 22        |
| 13 | Biogenic carbonate mercury and marine temperature records reveal global influence of Late Cretaceous Deccan Traps. <i>Nature Communications</i> , 2019, 10, 5356.  | 12.8 | 21        |
| 14 | Constraining the thermal history of the North American Midcontinent Rift System using carbonate clumped isotopes and organic thermal maturity indices. <i>Precambrian Research</i> , 2017, 294, 53-66.   | 2.7  | 19        |
| 15 | Calcium isotope evidence for environmental variability before and across the Cretaceous-Paleogene mass extinction. <i>Geology</i> , 2020, 48, 34-38.   | 4.4  | 19        |
| 16 | Climate of the Late Cretaceous North American Gulf and Atlantic Coasts. <i>Cretaceous Research</i> , 2018, 89, 160-173.  | 1.4  | 16        |
| 17 | Isotope sclerochronology indicates enhanced seasonal precipitation in northern South America (Colombia) during the Mid-Miocene Climatic Optimum. <i>Geology</i> , 2020, 48, 668-672.   | 4.4  | 12        |
| 18 | Clumped isotope measurements of small carbonate samples using a high-efficiency dual-reservoir technique. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2371-2381.  | 1.5  | 11        |

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|----|--|-----|-----------|
| 19 | Meltwater pulse recorded in Last Interglacial mollusk shells from Bermuda. <i>Paleoceanography</i> , 2017, 32, 132-145.  | 3.0 | 9         |
| 20 | Subannual stable isotope records reveal climate warming and seasonal anoxia associated with two extinction intervals across the Cretaceous-Paleogene boundary on Seymour Island, Antarctica. <i>Geology</i> , 2020, 48, 1131-1136. | 4.4 | 9         |
| 21 | Looking upstream with clumped and triple oxygen isotopes of estuarine oyster shells in the early Eocene of California, USA. <i>Geology</i> , 2022, 50, 755-759.  | 4.4 | 5         |
| 22 | Seasonally Variable Aquifer Discharge and Cooler Climate in Bermuda During the Last Interglacial Revealed by Subannual Clumped Isotope Analysis. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004145.           | 2.9 | 3         |
| 23 | Dynamics of Pedogenic Carbonate Growth in the Tropical Domain of Myanmar. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .  | 2.5 | 3         |