

Simon W Poulton

List of Publications by Year in descending order

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docs citations

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times ranked

7026
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Development of a sequential extraction procedure for iron: implications for iron partitioning in continentally derived particulates. <i>Chemical Geology</i> , 2005, 214, 209-221. | 3.3 | 932 |
| 2 | Tracing the stepwise oxygenation of the Proterozoic ocean. <i>Nature</i> , 2008, 452, 456-459. | 27.8 | 883 |
| 3 | Late-Neoproterozoic Deep-Ocean Oxygenation and the Rise of Animal Life. <i>Science</i> , 2007, 315, 92-95. | 12.6 | 812 |
| 4 | Ferruginous Conditions: A Dominant Feature of the Ocean through Earth's History. <i>Elements</i> , 2011, 7, 107-112. | 0.5 | 717 |
| 5 | Ferruginous Conditions Dominated Later Neoproterozoic Deep-Water Chemistry. <i>Science</i> , 2008, 321, 949-952. | 12.6 | 626 |
| 6 | Fluctuations in Precambrian atmospheric oxygenation recorded by chromium isotopes. <i>Nature</i> , 2009, 461, 250-253. | 27.8 | 554 |
| 7 | A revised scheme for the reactivity of iron (oxyhydr)oxide minerals towards dissolved sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3703-3715. | 3.9 | 490 |
| 8 | The transition to a sulphidic ocean \approx 1.84 billion years ago. <i>Nature</i> , 2004, 431, 173-177. | 27.8 | 405 |
| 9 | Spatial variability in oceanic redox structure 1.8 billion years ago. <i>Nature Geoscience</i> , 2010, 3, 486-490. | 12.9 | 338 |
| 10 | Co-evolution of eukaryotes and ocean oxygenation in the Neoproterozoic era. <i>Nature Geoscience</i> , 2014, 7, 257-265. | 12.9 | 305 |
| 11 | Ocean acidification and the Permo-Triassic mass extinction. <i>Science</i> , 2015, 348, 229-232. | 12.6 | 284 |
| 12 | Rise to modern levels of ocean oxygenation coincided with the Cambrian radiation of animals. <i>Nature Communications</i> , 2015, 6, 7142. | 12.8 | 250 |
| 13 | Mo isotope fractionation during adsorption to Fe (oxyhydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6502-6516. | 3.9 | 248 |
| 14 | Pervasive oxygenation along late Archaean ocean margins. <i>Nature Geoscience</i> , 2010, 3, 647-652. | 12.9 | 233 |
| 15 | A bistable organic-rich atmosphere on the Neoproterozoic Earth. <i>Nature Geoscience</i> , 2012, 5, 359-363. | 12.9 | 201 |
| 16 | Redox sensitivity of P cycling during marine black shale formation: Dynamics of sulfidic and anoxic, non-sulfidic bottom waters. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3703-3717. | 3.9 | 196 |
| 17 | An emerging picture of Neoproterozoic ocean chemistry: Insights from the Chuar Group, Grand Canyon, USA. <i>Earth and Planetary Science Letters</i> , 2010, 290, 64-73. | 4.4 | 194 |
| 18 | Assessing the utility of Fe/Al and Fe-speciation to record water column redox conditions in carbonate-rich sediments. <i>Chemical Geology</i> , 2014, 382, 111-122. | 3.3 | 181 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The iron paleoredox proxies: A guide to the pitfalls, problems and proper practice. <i>Numerische Mathematik</i> , 2018, 318, 491-526. | 1.4 | 174 |
| 20 | An 80 million year oceanic redox history from Permian to Jurassic pelagic sediments of the Mino-Tamba terrane, SW Japan, and the origin of four mass extinctions. <i>Global and Planetary Change</i> , 2010, 71, 109-123. | 3.5 | 172 |
| 21 | Stepwise oxygenation of the Paleozoic atmosphere. <i>Nature Communications</i> , 2018, 9, 4081. | 12.8 | 166 |
| 22 | Sulfide oxidation and iron dissolution kinetics during the reaction of dissolved sulfide with ferrihydrite. <i>Chemical Geology</i> , 2003, 202, 79-94. | 3.3 | 164 |
| 23 | Green rust formation controls nutrient availability in a ferruginous water column. <i>Geology</i> , 2012, 40, 599-602. | 4.4 | 159 |
| 24 | Ocean euxinia and climate change "double whammy" drove the Late Ordovician mass extinction. <i>Geology</i> , 2018, 46, 535-538. | 4.4 | 148 |
| 25 | Chemical and physical characteristics of iron oxides in riverine and glacial meltwater sediments. <i>Chemical Geology</i> , 2005, 218, 203-221. | 3.3 | 139 |
| 26 | Trace elements at the intersection of marine biological and geochemical evolution. <i>Earth-Science Reviews</i> , 2016, 163, 323-348. | 9.1 | 135 |
| 27 | Dynamic redox conditions control late Ediacaran metazoan ecosystems in the Nama Group, Namibia. <i>Precambrian Research</i> , 2015, 261, 252-271. | 2.7 | 134 |
| 28 | Pathways for Neoproterozoic pyrite formation constrained by mass-independent sulfur isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17638-17643. | 7.1 | 125 |
| 29 | Oxygenation of the Mesoproterozoic ocean and the evolution of complex eukaryotes. <i>Nature Geoscience</i> , 2018, 11, 345-350. | 12.9 | 124 |
| 30 | Redox changes in Early Cambrian black shales at Xiaotan section, Yunnan Province, South China. <i>Precambrian Research</i> , 2013, 225, 166-189. | 2.7 | 116 |
| 31 | Onset of the aerobic nitrogen cycle during the Great Oxidation Event. <i>Nature</i> , 2017, 542, 465-467. | 27.8 | 114 |
| 32 | A global transition to ferruginous conditions in the early Neoproterozoic oceans. <i>Nature Geoscience</i> , 2015, 8, 466-470. | 12.9 | 105 |
| 33 | A 200-million-year delay in permanent atmospheric oxygenation. <i>Nature</i> , 2021, 592, 232-236. | 27.8 | 105 |
| 34 | Sulphur and oxygen isotope signatures of late Neoproterozoic to early Cambrian sulphate, Yangtze Platform, China: Diagenetic constraints and seawater evolution. <i>Precambrian Research</i> , 2005, 137, 223-241. | 2.7 | 103 |
| 35 | Evolution of the oceanic sulfur cycle at the end of the Paleoproterozoic. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5723-5739. | 3.9 | 102 |
| 36 | Molybdenum isotope constraints on the extent of late Paleoproterozoic ocean euxinia. <i>Earth and Planetary Science Letters</i> , 2011, 307, 450-460. | 4.4 | 99 |

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|----|--|------|-----------|
| 37 | Turbidite depositional influences on the diagenesis of Beecher's Trilobite Bed and the Hunsruck Slate; sites of soft tissue pyritization. <i>Numerische Mathematik</i> , 2008, 308, 105-129. | 1.4 | 97 |
| 38 | Possible links between extreme oxygen perturbations and the Cambrian radiation of animals. <i>Nature Geoscience</i> , 2019, 12, 468-474. | 12.9 | 96 |
| 39 | Controls on Mo isotope fractionations in a Mn-rich anoxic marine sediment, Gullmar Fjord, Sweden. <i>Chemical Geology</i> , 2012, 296-297, 73-82. | 3.3 | 95 |
| 40 | Sedimentary phosphorus and iron cycling in and below the oxygen minimum zone of the northern Arabian Sea. <i>Biogeosciences</i> , 2012, 9, 2603-2624. | 3.3 | 95 |
| 41 | Surface charge and growth of sulphate and carbonate green rust in aqueous media. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 108, 141-153. | 3.9 | 90 |
| 42 | The onset of widespread marine red beds and the evolution of ferruginous oceans. <i>Nature Communications</i> , 2017, 8, 399. | 12.8 | 86 |
| 43 | Palaeoceanographic controls on spatial redox distribution over the Yangtze Platform during the Ediacaran-Cambrian transition. <i>Sedimentology</i> , 2016, 63, 378-410. | 3.1 | 85 |
| 44 | Stepwise Earth oxygenation is an inherent property of global biogeochemical cycling. <i>Science</i> , 2019, 366, 1333-1337. | 12.6 | 85 |
| 45 | Bioavailability of zinc in marine systems through time. <i>Nature Geoscience</i> , 2013, 6, 125-128. | 12.9 | 84 |
| 46 | Controls on the evolution of Ediacaran metazoan ecosystems: A redox perspective. <i>Geobiology</i> , 2017, 15, 516-551. | 2.4 | 79 |
| 47 | The use of hydrous iron (III) oxides for the removal of hydrogen sulphide in aqueous systems. <i>Water Research</i> , 2002, 36, 825-834. | 11.3 | 78 |
| 48 | Searching for an oxygenation event in the fossiliferous Ediacaran of northwestern Canada. <i>Chemical Geology</i> , 2013, 362, 273-286. | 3.3 | 78 |
| 49 | A continental-weathering control on orbitally driven redox-nutrient cycling during Cretaceous Oceanic Anoxic Event 2. <i>Geology</i> , 2015, 43, 963-966. | 4.4 | 77 |
| 50 | Open system sulphate reduction in a diagenetic environment - Isotopic analysis of barite ($\delta^{34}\text{S}$ and $\delta^{18}\text{O}$) and pyrite ($\delta^{34}\text{S}$) from the Tom and Jason Late Devonian Zn-Pb-Ba deposits, Selwyn Basin, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 180, 146-163. | 3.9 | 77 |
| 51 | Anoxia in the terrestrial environment during the late Mesoproterozoic. <i>Geology</i> , 2013, 41, 583-586. | 4.4 | 75 |
| 52 | Selenium isotope evidence for progressive oxidation of the Neoproterozoic biosphere. <i>Nature Communications</i> , 2015, 6, 10157. | 12.8 | 72 |
| 53 | Co-diagenesis of iron and phosphorus in hydrothermal sediments from the southern East Pacific Rise: Implications for the evaluation of paleoseawater phosphate concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5883-5898. | 3.9 | 70 |
| 54 | Microfossils from the late Mesoproterozoic - early Neoproterozoic Atar/El Mreġti Group, Taoudeni Basin, Mauritania, northwestern Africa. <i>Precambrian Research</i> , 2017, 291, 63-82. | 2.7 | 69 |

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|----|--|------|-----------|
| 55 | Multiple oscillations in Neoproterozoic atmospheric chemistry. <i>Earth and Planetary Science Letters</i> , 2015, 431, 264-273. | 4.4 | 67 |
| 56 | A model for the oceanic mass balance of rhenium and implications for the extent of Proterozoic ocean anoxia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 75-95. | 3.9 | 66 |
| 57 | Potentially bioavailable iron delivery by iceberg-hosted sediments and atmospheric dust to the polar oceans. <i>Biogeosciences</i> , 2016, 13, 3887-3900. | 3.3 | 65 |
| 58 | Biological regulation of atmospheric chemistry en route to planetary oxygenation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2571-E2579. | 7.1 | 64 |
| 59 | Phosphorus-limited conditions in the early Neoproterozoic ocean maintained low levels of atmospheric oxygen. <i>Nature Geoscience</i> , 2020, 13, 296-301. | 12.9 | 63 |
| 60 | Molybdenum drawdown during Cretaceous Oceanic Anoxic Event 2. <i>Earth and Planetary Science Letters</i> , 2016, 440, 81-91. | 4.4 | 61 |
| 61 | The evolution of the global selenium cycle: Secular trends in Se isotopes and abundances. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 162, 109-125. | 3.9 | 59 |
| 62 | Determination of the stable iron isotopic composition of sequentially leached iron phases in marine sediments. <i>Chemical Geology</i> , 2016, 421, 93-102. | 3.3 | 58 |
| 63 | Stability of the nitrogen cycle during development of sulfidic water in the redox-stratified late Paleoproterozoic Ocean. <i>Geology</i> , 2013, 41, 655-658. | 4.4 | 57 |
| 64 | Early Palaeozoic ocean anoxia and global warming driven by the evolution of shallow burrowing. <i>Nature Communications</i> , 2018, 9, 2554. | 12.8 | 56 |
| 65 | A nutrient control on marine anoxia during the end-Permian mass extinction. <i>Nature Geoscience</i> , 2020, 13, 640-646. | 12.9 | 56 |
| 66 | Carbon isotopes in clastic rocks and the Neoproterozoic carbon cycle. <i>Numerische Mathematik</i> , 2020, 320, 97-124. | 1.4 | 55 |
| 67 | Aerobic iron and manganese cycling in a redox-stratified Mesoproterozoic epicontinental sea. <i>Earth and Planetary Science Letters</i> , 2018, 500, 28-40. | 4.4 | 54 |
| 68 | Phosphorus sources for phosphatic Cambrian carbonates. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 145-163. | 3.3 | 52 |
| 69 | Phosphorus cycling in Lake Cadagno, Switzerland: A low sulfate euxinic ocean analogue. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 116-135. | 3.9 | 51 |
| 70 | Anaerobic ammonium-oxidising bacteria: A biological source of the bacteriohopanetetrol stereoisomer in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 50-64. | 3.9 | 49 |
| 71 | ¹⁸⁷ Re- ¹⁸⁷ Os age constraints and new observations of Proterozoic glacial deposits in the Vazante Group, Brazil. <i>Precambrian Research</i> , 2013, 238, 199-213. | 2.7 | 48 |
| 72 | Solid phase associations, oceanic fluxes and the anthropogenic perturbation of transition metals in world river particulates. <i>Marine Chemistry</i> , 2000, 72, 17-31. | 2.3 | 43 |

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|----|--|------|-----------|
| 73 | Limited oxygen production in the Mesoarchean ocean. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6647-6652. | 7.1 | 42 |
| 74 | Evaluating a primary carbonate pathway for manganese enrichments in reducing environments. Earth and Planetary Science Letters, 2020, 538, 116201. | 4.4 | 42 |
| 75 | The Bacteriophanepolyol Inventory of Novel Aerobic Methane Oxidising Bacteria Reveals New Biomarker Signatures of Aerobic Methanotrophy in Marine Systems. PLoS ONE, 2016, 11, e0165635. | 2.5 | 41 |
| 76 | In-situ determination of dissolved iron production in recent marine sediments. , 2002, 64, 282-291. | | 40 |
| 77 | Phosphorus burial and diagenesis in the central Bering Sea (Bowers Ridge, IODP Site U1341): Perspectives on the marine P cycle. Chemical Geology, 2014, 363, 270-282. | 3.3 | 40 |
| 78 | Calibrating the temporal and spatial dynamics of the Ediacaran - Cambrian radiation of animals. Earth-Science Reviews, 2022, 225, 103913. | 9.1 | 39 |
| 79 | The biogeochemistry of ferruginous lakes and past ferruginous oceans. Earth-Science Reviews, 2020, 211, 103430. | 9.1 | 36 |
| 80 | Shallow water anoxia in the Mesoproterozoic ocean: Evidence from the Bashkir Meganticlinorium, Southern Urals. Precambrian Research, 2018, 317, 196-210. | 2.7 | 32 |
| 81 | Early phosphorus redigested. Nature Geoscience, 2017, 10, 75-76. | 12.9 | 31 |
| 82 | Molybdenum record from black shales indicates oscillating atmospheric oxygen levels in the early Paleoproterozoic. Numerische Mathematik, 2018, 318, 275-299. | 1.4 | 31 |
| 83 | Development of Iron Speciation Reference Materials for Palaeoredox Analysis. Geostandards and Geoanalytical Research, 2020, 44, 581-591. | 3.1 | 31 |
| 84 | A palaeoecological model for the late Mesoproterozoic – early Neoproterozoic Atar/El Mreÿti Group, Taoudeni Basin, Mauritania, northwestern Africa. Precambrian Research, 2017, 299, 1-14. | 2.7 | 31 |
| 85 | Pulsed oxygenation events drove progressive oxygenation of the early Mesoproterozoic ocean. Earth and Planetary Science Letters, 2021, 559, 116754. | 4.4 | 28 |
| 86 | The Sedimentary Geochemistry and Paleoenvironments Project. Geobiology, 2021, 19, 545-556. | 2.4 | 26 |
| 87 | Earth's Great Oxidation Event facilitated by the rise of sedimentary phosphorus recycling. Nature Geoscience, 2022, 15, 210-215. | 12.9 | 26 |
| 88 | Marine oxygen production and open water supported an active nitrogen cycle during the Marinoan Snowball Earth. Nature Communications, 2017, 8, 1316. | 12.8 | 25 |
| 89 | Anoxic development of sapropel S1 in the Nile Fan inferred from redox sensitive proxies, Fe speciation, Fe and Mo isotopes. Chemical Geology, 2017, 475, 24-39. | 3.3 | 24 |
| 90 | Development of a modified SEDEX phosphorus speciation method for ancient rocks and modern iron-rich sediments. Chemical Geology, 2019, 524, 383-393. | 3.3 | 24 |

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|-----|--|-----|-----------|
| 91 | Analysis of mass dependent and mass independent selenium isotope variability in black shales. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1648-1659. | 3.0 | 23 |
| 92 | Did anoxia terminate Ediacaran benthic communities? Evidence from early diagenesis. <i>Precambrian Research</i> , 2018, 313, 134-147. | 2.7 | 23 |
| 93 | Tracing water column euxinia in Eastern Mediterranean Sapropels S5 and S7. <i>Chemical Geology</i> , 2020, 545, 119627. | 3.3 | 22 |
| 94 | Molybdenum isotope fractionations observed under anoxic experimental conditions. <i>Geochemical Journal</i> , 2012, 46, 201-209. | 1.0 | 21 |
| 95 | Controls on amorphous organic matter type and sulphurization in a Mississippian black shale. <i>Review of Palaeobotany and Palynology</i> , 2019, 268, 1-18. | 1.5 | 20 |
| 96 | Extensive marine anoxia in the European epicontinental sea during the end-Triassic mass extinction. <i>Global and Planetary Change</i> , 2022, 210, 103771. | 3.5 | 20 |
| 97 | Repeated enrichment of trace metals and organic carbon on an Eocene high-energy shelf caused by anoxia and reworking. <i>Geology</i> , 2016, 44, 1011-1014. | 4.4 | 19 |
| 98 | Links between seawater paleoredox and the formation of sediment-hosted massive sulphide (SHMS) deposits – Fe speciation and Mo isotope constraints from Late Devonian mudstones. <i>Chemical Geology</i> , 2018, 490, 45-60. | 3.3 | 19 |
| 99 | Chromium isotopes in marine hydrothermal sediments. <i>Chemical Geology</i> , 2019, 529, 119286. | 3.3 | 19 |
| 100 | Black shale deposition and early diagenetic dolomite cementation during Oceanic Anoxic Event 1: The mid-Cretaceous Maracaibo Platform, northwestern South America. <i>Numerische Mathematik</i> , 2016, 316, 669-711. | 1.4 | 18 |
| 101 | Fraction-specific controls on the trace element distribution in iron formations: Implications for trace metal stable isotope proxies. <i>Chemical Geology</i> , 2017, 474, 17-32. | 3.3 | 18 |
| 102 | Latest Permian carbonate carbon isotope variability traces heterogeneous organic carbon accumulation and authigenic carbonate formation. <i>Climate of the Past</i> , 2017, 13, 1635-1659. | 3.4 | 18 |
| 103 | Spatio-temporal evolution of ocean redox and nitrogen cycling in the early Cambrian Yangtze ocean. <i>Chemical Geology</i> , 2020, 554, 119803. | 3.3 | 18 |
| 104 | Molybdenum isotope and trace metal signals in an iron-rich Mesoproterozoic ocean: A snapshot from the Vindhyan Basin, India. <i>Precambrian Research</i> , 2020, 343, 105718. | 2.7 | 18 |
| 105 | A template for an improved rock-based subdivision of the pre-Cryogenian timescale. <i>Journal of the Geological Society</i> , 2022, 179, . | 2.1 | 18 |
| 106 | A short-lived oxidation event during the early Ediacaran and delayed oxygenation of the Proterozoic ocean. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117274. | 4.4 | 18 |
| 107 | A nutrient control on expanded anoxia and global cooling during the Late Ordovician mass extinction. <i>Communications Earth & Environment</i> , 2022, 3, . | 6.8 | 17 |
| 108 | Decoupled oxygenation of the Ediacaran ocean and atmosphere during the rise of early animals. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117619. | 4.4 | 17 |

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|-----|---|------|-----------|
| 109 | No effect of thermal maturity on the Mo, U, Cd, and Zn isotope compositions of Lower Jurassic organic-rich sediments. <i>Geology</i> , 2022, 50, 598-602. | 4.4 | 16 |
| 110 | Porewater sulphur geochemistry and fossil preservation during phosphate diagenesis in a Lower Cretaceous shelf mudstone. <i>Sedimentology</i> , 1998, 45, 875-887. | 3.1 | 15 |
| 111 | A chemical weathering control on the delivery of particulate iron to the continental shelf. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 204-216. | 3.9 | 15 |
| 112 | Arid climate disturbance and the development of salinized lacustrine oil shale in the Middle Jurassic Dameigou Formation, Qaidam Basin, northwestern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 577, 110533. | 2.3 | 15 |
| 113 | The origin and rise of complex life: progress requires interdisciplinary integration and hypothesis testing. <i>Interface Focus</i> , 2020, 10, 20200024. | 3.0 | 13 |
| 114 | A Mississippian black shale record of redox oscillation in the Craven Basin, UK. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109423. | 2.3 | 11 |
| 115 | Progressive development of ocean anoxia in the end-Permian pelagic Panthalassa. <i>Global and Planetary Change</i> , 2021, 207, 103650. | 3.5 | 11 |
| 116 | Pyrite mega-analysis reveals modes of anoxia through geological time. <i>Science Advances</i> , 2022, 8, eabj5687. | 10.3 | 11 |
| 117 | Copper and its Isotopes in Organic-Rich Sediments: From the Modern Peru Margin to Archean Shales. <i>Geosciences (Switzerland)</i> , 2019, 9, 325. | 2.2 | 10 |
| 118 | Redox evolution and the development of oxygen minimum zones in the Eastern Mediterranean Levantine basin during the early Holocene. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 82-100. | 3.9 | 10 |
| 119 | Detection and removal of dissolved hydrogen sulphide in flow-through systems via the sulphidation of hydrous iron (III) oxides. <i>Environmental Technology (United Kingdom)</i> , 2003, 24, 217-229. | 2.2 | 9 |
| 120 | Curation and Analysis of Global Sedimentary Geochemical Data to Inform Earth History. <i>GSA Today</i> , 2021, 31, 4-10. | 2.0 | 9 |
| 121 | A multiproxy study distinguishes environmental change from diagenetic alteration in the recent sedimentary record of the inner Cadiz Bay (SW Spain). <i>Holocene</i> , 2016, 26, 1355-1370. | 1.7 | 8 |
| 122 | Carbonate shutdown, phosphogenesis and the variable style of marine anoxia in the late Famennian (Late Devonian) in western Laurentia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 589, 110835. | 2.3 | 8 |
| 123 | Extending the applications of sediment profile imaging to geochemical interpretations using colour. <i>Continental Shelf Research</i> , 2019, 185, 16-22. | 1.8 | 7 |
| 124 | Isotopic constraints on ocean redox at the end of the Eocene. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116814. | 4.4 | 6 |
| 125 | Does the Paleoproterozoic Animikie Basin record the sulfidic ocean transition?: COMMENT. <i>Geology</i> , 2011, 39, e241-e241. | 4.4 | 5 |
| 126 | Unravelling the paleoecology of flat clams: New insights from an Upper Triassic halobiid bivalve. <i>Global and Planetary Change</i> , 2020, 190, 103195. | 3.5 | 4 |

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|-----|---|-----|-----------|
| 127 | The Ediacaran "Miaohe Member" of South China: new insights from palaeoredox proxies and stable isotope data. <i>Geological Magazine</i> , 0, , 1-15. | 1.5 | 3 |
| 128 | The origin of early-Paleozoic banded iron formations in NW China. <i>Gondwana Research</i> , 2021, 93, 218-226. | 6.0 | 3 |
| 129 | Limited expression of the Paleoproterozoic Oklo natural nuclear reactor phenomenon in the aftermath of a widespread deoxygenation event ~2.11–2.06 billion years ago. <i>Chemical Geology</i> , 2021, 578, 120315. | 3.3 | 3 |
| 130 | Origin of the Neoproterozoic VMS-BIF Metallogenic Association in the Qingyuan Greenstone Belt, North China Craton: Constraints from Geology, Geochemistry, and Iron and Multiple Sulfur ($\delta^{34}\text{S}$) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 3.3 | 3 |
| 131 | Insights from modern diffuse-flow hydrothermal systems into the origin of post-GOE deep-water Fe-Si precipitates. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 1-17. | 3.9 | 2 |
| 132 | Combining Nitrogen Isotopes and Redox Proxies Strengthens Paleoenvironmental Interpretations: Examples From Neoproterozoic Snowball Earth Sediments. <i>Frontiers in Earth Science</i> , 0, 10, . | 1.8 | 2 |