

# Simon R Chenery

## List of Publications by Year in descending order

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104  
papers

5,909  
citations

117625

34  
h-index

74163

75  
g-index

109  
all docs

109  
docs citations

109  
times ranked

6098  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Compilation of New and Published Major and Trace Element Data for NIST SRM 610 and NIST SRM 612 Class Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 1997, 21, 115-144.  | 3.1 | 2,280     |
| 2  | Electron microprobe and LA-ICP-MS study of monazite hydrothermal alteration. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3283-3297.  | 3.9 | 208       |
| 3  | Contrasted monazite hydrothermal alteration mechanisms and their geochemical implications. <i>Earth and Planetary Science Letters</i> , 1996, 145, 79-96.   | 4.4 | 191       |
| 4  | Sources and uptake of trace metals in otoliths of juvenile barramundi ( <i>Lates calcarifer</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 264, 47-65.  | 1.5 | 182       |
| 5  | The generation of prograde P-T points and paths; a textural, compositional, and chronological study of metamorphic monazite. <i>Earth and Planetary Science Letters</i> , 2004, 228, 125-142.   | 4.4 | 140       |
| 6  | A study on the relationship between mass concentrations, chemistry and number size distribution of urban fine aerosols in Milan, Barcelona and London. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2217-2232.   | 4.9 | 138       |
| 7  | Nitrate production beneath a High Arctic glacier, Svalbard. <i>Chemical Geology</i> , 2007, 244, 88-102.  | 3.3 | 97        |
| 8  | Chemical signatures of the Anthropocene in the Clyde estuary, UK: sediment-hosted Pb, <sup>207/206</sup> Pb, total petroleum hydrocarbon, polyaromatic hydrocarbon and polychlorinated biphenyl pollution records. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1085-1111. | 3.4 | 92        |
| 9  | Determination of rare earth elements in single mineral grains by laser ablation microprobe-inductively coupled plasma mass spectrometry preliminary study. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 299-303.   | 3.0 | 91        |
| 10 | Calibration studies in laser ablation microprobe-inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 11.   | 3.0 | 84        |
| 11 | Laser ablation ICP-MS elemental analysis of individual fluid inclusions: An evaluation study. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3997-4007.   | 3.9 | 83        |
| 12 | Environmental influences on the trace element content of teeth implications for disease and nutritional status. <i>Archives of Oral Biology</i> , 2004, 49, 705-717.  | 1.8 | 82        |
| 13 | Petrogenesis of rare-metal pegmatites in high-grade metamorphic terranes: A case study from the Lewisian Gneiss Complex of north-west Scotland. <i>Precambrian Research</i> , 2016, 281, 338-362.   | 2.7 | 73        |
| 14 | Determination of element affinities by density fractionation of bulk coal samples. <i>Fuel</i> , 2001, 80, 83-96.   | 6.4 | 69        |
| 15 | Nature of particulate matter produced by laser ablation implications for tandem analytical systems. <i>Journal of Analytical Atomic Spectrometry</i> , 1990, 5, 49-55.  | 3.0 | 65        |
| 16 | Assessing the history of trace metal (Cu, Zn, Pb) contamination in the North Sea through laser ablation-ICP-MS of horse mussel <i>Modiolus modiolus</i> shells. <i>Marine Ecology - Progress Series</i> , 2001, 211, 157-167.   | 1.9 | 59        |
| 17 | Movement patterns of the tropical shad hilsa ( <i>Tenulosa ilisha</i> ) inferred from transects of <sup>87</sup> Sr/ <sup>86</sup> Sr isotope ratios in their otoliths. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003, 60, 1376-1385.  | 1.4 | 58        |
| 18 | Precise and accurate isotopic analysis of microscopic uranium-oxide grains using LA-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 752.  | 3.0 | 57        |

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|----|---|------|-----------|
| 19 | Can otolith chemistry detect the population structure of the shad hilsa <i>Tenulosa ilisha</i> ? Comparison with the results of genetic and morphological studies. <i>Marine Ecology - Progress Series</i> , 2001, 222, 239-251.                            | 1.9  | 56        |
| 20 | The use of electron probe microanalysis and laser ablation-inductively coupled plasma-mass spectrometry for the investigation of 8th-14th century plant ash glasses from the Middle East. <i>Microchemical Journal</i> , 2016, 128, 134-152.                | 4.5  | 54        |
| 21 | Depleted uranium contamination by inhalation exposure and its detection after $^{142}\text{U}$ years: Implications for human health assessment. <i>Science of the Total Environment</i> , 2008, 390, 58-68.   | 8.0  | 53        |
| 22 | Soil-plant interactions and the uptake of Pb at abandoned mining sites in the Rookhope catchment of the N. Pennines, UK - A Pb isotope study. <i>Science of the Total Environment</i> , 2012, 433, 547-560.   | 8.0  | 53        |
| 23 | Analysis of geological Sr isotope markers in fish otoliths with subannual resolution using laser ablation-multicollector-ICP-mass spectrometry. <i>Environmental Geology</i> , 2002, 42, 891-899.   | 1.2  | 49        |
| 24 | Storage and Behavior of As, Sb, Pb, and Cu in Ombrotrophic Peat Bogs under Contrasting Water Table Conditions. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8497-8502.   | 10.0 | 49        |
| 25 | Predicting the solubility and lability of Zn, Cd, and Pb in soils from a minespoil-contaminated catchment by stable isotopic exchange. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 1-16.  | 3.9  | 49        |
| 26 | Detrital Rutile Geochemistry and Thermometry as Guides to Provenance of Jurassic-Paleocene Sandstones of the Norwegian Sea. <i>Journal of Sedimentary Research</i> , 2009, 79, 540-553.   | 1.6  | 48        |
| 27 | How cold were the Early Permian glacial tropics? Testing sea-surface temperature using the oxygen isotope composition of rigorously screened brachiopod shells. <i>Journal of the Geological Society</i> , 2009, 166, 933-945.                              | 2.1  | 46        |
| 28 | Movement patterns of barramundi <i>Lates calcarifer</i> , inferred from $^{87}\text{Sr}/^{86}\text{Sr}$ and $\text{Sr}/\text{Ca}$ ratios in otoliths, indicate non-participation in spawning. <i>Marine Ecology - Progress Series</i> , 2005, 301, 279-291. | 1.9  | 46        |
| 29 | Measuring reactive metal in soil: a comparison of multi-element isotopic dilution and chemical extraction. <i>European Journal of Soil Science</i> , 2013, 64, 526-536.   | 3.9  | 42        |
| 30 | Laser ablation of minerals and chemical differentiation of the ejecta. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 647.   | 3.0  | 41        |
| 31 | Atomic Spectrometry Update. Environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 194-235.   | 3.0  | 41        |
| 32 | Use of lead isotopes for developing chronologies in recent salt-marsh sediments. <i>Quaternary Geochronology</i> , 2012, 12, 40-49.   | 1.4  | 41        |
| 33 | Heavy metals in urban road dusts from Kolkata and Bengaluru, India: implications for human health. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2627-2643.  | 3.4  | 36        |
| 34 | Quantitative solute analysis of single fluid inclusions in halite by LA-ICP-MS and cryo-SEM-EDS: complementary microbeam techniques. <i>European Journal of Mineralogy</i> , 1998, 10, 1097-1108.   | 1.3  | 36        |
| 35 | Determination of the three-dimensional distributions of precious metals in sulphide minerals by laser ablation microprobe-inductively coupled plasma-mass spectrometry (LAMP-ICP-MS). <i>Chemical Geology</i> , 1995, 124, 55-65.                           | 3.3  | 35        |
| 36 | Can the Movements of Barramundi in the Fly River Region, Papua New Guinea be Traced in their Otoliths?. <i>Estuarine, Coastal and Shelf Science</i> , 2000, 50, 855-868.  | 2.1  | 34        |

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|----|---|-----|-----------|
| 37 | Anglo-Saxon animal husbandry techniques revealed through isotope and chemical variations in cattle teeth. <i>Applied Geochemistry</i> , 2007, 22, 1994-2005.  | 3.0 | 34        |
| 38 | The distribution of depleted uranium contamination in Colonie, NY, USA. <i>Science of the Total Environment</i> , 2009, 408, 397-407.   | 8.0 | 33        |
| 39 | Authigenic Apatite in a Fluvial Sandstone Sequence: Evidence for Rare-Earth Element Mobility During Diagenesis and a Tool for Diagenetic Correlation. <i>Journal of Sedimentary Research</i> , 2002, 72, 59-67.   | 1.6 | 32        |
| 40 | Northern England Serpukhovian (early Namurian) farfield responses to southern hemisphere glaciation. <i>Journal of the Geological Society</i> , 2010, 167, 1171-1184.   | 2.1 | 32        |
| 41 | Sources, lability and solubility of Pb in alluvial soils of the River Trent catchment, U.K.. <i>Science of the Total Environment</i> , 2012, 433, 110-122.  | 8.0 | 32        |
| 42 | Roman coloured glass in the Western provinces: The glass cakes and tesserae from West Clacton in England. <i>Journal of Archaeological Science</i> , 2015, 62, 66-81.   | 2.4 | 30        |
| 43 | Improving confidence in ferromanganese crust age models: A composite geochemical approach. <i>Chemical Geology</i> , 2019, 513, 108-119.  | 3.3 | 30        |
| 44 | A Boat Load of Vikings?. <i>Journal of the North Atlantic</i> , 2014, 7, 43-53.   | 0.4 | 29        |
| 45 | $^{18}\text{O}/^{16}\text{O}$ and $^{13}\text{C}/^{12}\text{C}$ in an ahermatypic deep-water coral <i>Lophelia pertusa</i> from the North Atlantic: a case of disequilibrium isotope fractionation. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1332-1336. | 1.5 | 28        |
| 46 | Atomic spectrometry update. Environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 284-317.   | 3.0 | 27        |
| 47 | Regional lead isotope study of a polluted river catchment: River Wear, Northern England, UK. <i>Science of the Total Environment</i> , 2009, 407, 4882-4893.  | 8.0 | 26        |
| 48 | Lability of Pb in soil: effects of soil properties and contaminant source. <i>Environmental Chemistry</i> , 2014, 11, 690.  | 1.5 | 26        |
| 49 | Iodine status of soils, grain crops, and irrigation waters in Pakistan. <i>Environmental Earth Sciences</i> , 2015, 73, 7995-8008.  | 2.7 | 26        |
| 50 | An archaeometric study of Hellenistic glass vessels: evidence for multiple sources. <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 97-110.  | 1.8 | 25        |
| 51 | Geochemical and environmental factors controlling exposure to cerium and magnesium in Uganda. <i>Journal of Geochemical Exploration</i> , 1998, 65, 1-15.   | 3.2 | 24        |
| 52 | Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 763-805.  | 3.0 | 22        |
| 53 | Heterogeneity, cyclicity and diagenesis in a Mississippian brachiopod shell of palaeoequatorial Britain. <i>Terra Nova</i> , 2012, 24, 16-26.   | 2.1 | 22        |
| 54 | Late Cretaceous and Cenozoic paleoceanography from north-east Atlantic ferromanganese crust microstratigraphy. <i>Marine Geology</i> , 2020, 422, 106122.   | 2.1 | 22        |

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|----|--|------|-----------|
| 55 | A sampling and analytical methodology for dental trace element analysis. <i>Analyst, The</i> , 2002, 127, 319-323.   | 3.5  | 21        |
| 56 | The morphologies and compositions of depleted uranium particles from an environmental case-study. <i>Mineralogical Magazine</i> , 2009, 73, 495-510.   | 1.4  | 21        |
| 57 | Lability, solubility and speciation of Cd, Pb and Zn in alluvial soils of the River Trent catchment UK. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1844.   | 3.5  | 21        |
| 58 | Kinetic study of time-dependent fixation of UVI on biochar. <i>Journal of Hazardous Materials</i> , 2016, 320, 55-66.  | 12.4 | 21        |
| 59 | Organic pollutants, heavy metals and toxicity in oil spill impacted salt marsh sediment cores, Staten Island, New York City, USA. <i>Marine Pollution Bulletin</i> , 2020, 151, 110721.  | 5.0  | 21        |
| 60 | The British Final Magdalenian: Society, settlement and raw material movements revealed through LA-ICP-MS trace element analysis of diagnostic artefacts. <i>Quaternary International</i> , 2012, 272-273, 275-287.   | 1.5  | 20        |
| 61 | LIMIT ON THE METAL CONTENT OF FLUID INCLUSIONS IN GANGUE MINERALS FROM THE VIBURNUM TREND, SOUTHEAST MISSOURI, DETERMINED BY LASER ABLATION ICP-MS. <i>Economic Geology</i> , 2004, 99, 185-198.   | 3.8  | 18        |
| 62 | Childhood lead exposure in an enslaved African community in Barbados: Implications for birthplace and health status. <i>American Journal of Physical Anthropology</i> , 2013, 150, 203-209.  | 2.1  | 16        |
| 63 | Controls on metal enrichment in ferromanganese crusts: Temporal changes in oceanic metal flux or phosphatisation?. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 60-74.  | 3.9  | 16        |
| 64 | Assessment of trace elements in the shell layers and soft tissues of the pearl oyster <i>Pinctada radiata</i> using multivariate analyses: a potential proxy for temporal and spatial variations of trace elements. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2465-2485. | 2.7  | 15        |
| 65 | Staloliths of the whelk <i>Buccinum undatum</i> : a novel age determination tool. <i>Marine Ecology - Progress Series</i> , 2018, 598, 261-272.  | 1.9  | 15        |
| 66 | Determining Cadmium in Marine Sediments by Inductively Coupled Plasma Mass Spectrometry: Attacking the Problems or the Problems With the Attack? <i>Analyst, The</i> , 1997, 122, 1207-1210.   | 3.5  | 13        |
| 67 | Determination of selenoamino acids by high-performance liquid chromatography-hydraulic high pressure nebulization-atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 977-1004.   | 3.0  | 13        |
| 68 | An experiment to assess the effects of diatom dissolution on oxygen isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 293-300.  | 1.5  | 13        |
| 69 | A study of the glazing techniques and provenances of Tang sancai glazes using elemental and lead isotope analyses. <i>Archaeometry</i> , 2019, 61, 358-373.  | 1.3  | 13        |
| 70 | Communications. Serial single particle analysis by atomic spectrometry after remote laser ablation. <i>Journal of Analytical Atomic Spectrometry</i> , 1988, 3, 1133.  | 3.0  | 12        |
| 71 | Atomic Spectrometry Update "Atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 107R.   | 3.0  | 12        |
| 72 | Unusual mixed silica "carbonate deposits from magmatic "hydrothermal hot springs, Savo, Solomon Islands. <i>Journal of the Geological Society</i> , 2011, 168, 1297-1310.  | 2.1  | 12        |

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|----|---|-----|-----------|
| 73 | Seventh to eleventh century CE glass from Northern Italy: between continuity and innovation. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.  | 1.8 | 12        |
| 74 | Time-resolved signals from particles injected into the inductively coupled plasma. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 53.   | 3.0 | 11        |
| 75 | Isotopic composition and concentration of Pb in suspended particulate matter of the Irish Sea reveals distribution and sources. <i>Marine Pollution Bulletin</i> , 2006, 52, 81-88.   | 5.0 | 11        |
| 76 | Measuring reactive pools of Cd, Pb and Zn in coal fly ash from the UK using isotopic dilution assays. <i>Applied Geochemistry</i> , 2013, 33, 41-49.  | 3.0 | 11        |
| 77 | Trends in heavy metals, polychlorinated biphenyls and toxicity from sediment cores of the inner River Thames estuary, London, UK. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 364-380.   | 3.5 | 11        |
| 78 | The Queen Scallop <i>Aequipecten opercularis</i> : a new source of information on late Cenozoic marine environments in Europe. <i>Geological Society Special Publication</i> , 2000, 177, 425-439.  | 1.3 | 10        |
| 79 | Occurrence of legacy and emerging organic pollutants in whitemouth croakers from Southeastern Brazil. <i>Science of the Total Environment</i> , 2019, 682, 719-728.   | 8.0 | 10        |
| 80 | Lead Isotope Analysis of Tooth Enamel from a Viking Age Mass Grave in Southern Britain and the Constraints it Places on the Origin of the Individuals. <i>Archaeometry</i> , 2018, 60, 859-869.   | 1.3 | 9         |
| 81 | Geochemical signature of superhigh organic sulphur RaÅja coals and the mobility of toxic trace elements from combustion products and polluted soils near the Plomin coal-fired power station in Croatia. <i>Applied Geochemistry</i> , 2020, 114, 104472. | 3.0 | 9         |
| 82 | Atomic Spectrometry Updateâ€”Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 151R-168R.   | 3.0 | 8         |
| 83 | Atomic Spectrometry Updateâ€”Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 171R-188R.   | 3.0 | 8         |
| 84 | Assessment of Total Mercury (HgT) in Sediments and Biota of Indian Sundarban Wetland and Adjacent Coastal Regions. <i>Environment and Natural Resources Research</i> , 2014, 4, .   | 0.1 | 8         |
| 85 | Age and growth rate estimations of the commercially fished gastropod <i>Buccinum undatum</i> . <i>ICES Journal of Marine Science</i> , 2018, 75, 2129-2144.   | 2.5 | 8         |
| 86 | The capability of rare earth elements geochemistry to interpret complex archaeological stratigraphy. <i>Microchemical Journal</i> , 2019, 148, 691-701.   | 4.5 | 8         |
| 87 | Discriminating nursery grounds of juvenile plaice ( <i>Pleuronectes platessa</i> ) in the south-eastern Irish Sea using otolith microchemistry. <i>Marine Ecology - Progress Series</i> , 2016, 546, 183-195.   | 1.9 | 8         |
| 88 | Foraminifera Iodine to Calcium Ratios: Approach and Cleaning. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009811.  | 2.5 | 8         |
| 89 | Time resolved system for the analysis of particles in the inductively coupled plasmaâ€”preliminary studies. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 1099-1102.  | 3.0 | 7         |
| 90 | Atomic Spectrometry Updateâ€”Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 213R-238R.  | 3.0 | 7         |

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|-----|---|-----|-----------|
| 91  | Optimisation of a current generation ICP-QMS and benchmarking against MC-ICP-MS spectrometry for the determination of lead isotope ratios in environmental samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 2184-2194. | 3.0 | 7         |
| 92  | Micro-scale geochemical and crystallographic analysis of <i>Buccinum undatum</i> statoliths supports an annual periodicity of growth ring deposition. <i>Chemical Geology</i> , 2019, 526, 153-164.   | 3.3 | 7         |
| 93  | Research and Development Topics in Analytical Chemistry. <i>Analytical Proceedings</i> , 1988, 25, 58.  | 0.4 | 6         |
| 94  | Chemical analysis of palaeogroundwaters: a new frontier for fluid inclusion research. <i>Journal of Geochemical Exploration</i> , 2000, 69-70, 415-418.   | 3.2 | 6         |
| 95  | Use of multielement stable isotope ratios to investigate ontogenetic movements of <i>Micropogonias furnieri</i> in a tropical Brazilian estuary. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 977-986.             | 1.4 | 6         |
| 96  | Evaluating tools for the spatial management of fisheries. <i>Journal of Applied Ecology</i> , 2018, 55, 2997-3004.  | 4.0 | 6         |
| 97  | Analysis of stratigraphical sequences at Cocina Cave (Spain) using rare earth elements geochemistry. <i>Boreas</i> , 2021, 50, 1190-1208.   | 2.4 | 6         |
| 98  | Atomic Spectrometry Update—Atomic Mass Spectrometry and X-Ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 253R-309R.  | 3.0 | 5         |
| 99  | Biogeochemical tags in fish: predicting spatial variations in strontium and manganese in <i>Salmo trutta</i> scales using stream water geochemistry. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 422-433.         | 1.4 | 5         |
| 100 | Calibration of shell $\delta^{18}O$ from the common whelk <i>Buccinum undatum</i> highlights potential for palaeoenvironmental reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 109995.                | 2.3 | 4         |
| 101 | Atomic Spectrometry Update—Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 139R-153R.  | 3.0 | 3         |
| 102 | Method development to characterise elephant tail hairs by LA-ICP-MS to reflect changes in elemental chemistry. <i>Environmental Geochemistry and Health</i> , 2022, , 1.  | 3.4 | 3         |
| 103 | Glass Provenance along the Silk Road: The Use of Trace Element Analysis. <i>Series on Archaeology and History of Science in China</i> , 2016, , 17-42.  | 0.1 | 2         |
| 104 | Geochemistry and related studies of Clyde Estuary sediments. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2017, 108, 269-288.  | 0.3 | 1         |