Per S Andersson

List of Publications by Year
in descending order

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83 papers	4,250 citations	101543 36 h-index	114465 63 g-index
84 all docs	84 docs citations	84 times ranked	4404 citing authors

#	Article	IF	Citations
1	Continentally-derived solutes in shallow Archean seawater: Rare earth element and Nd isotope evidence in iron formation from the 2.9Ga Pongola Supergroup, South Africa. Geochimica Et Cosmochimica Acta, 2008, 72, 378-394.	3.9	279
2	Temporal variations in the fractionation of the rare earth elements in a boreal river; the role of colloidal particles.. Chemical Geology, 2000, 166, 23-45.	3.3	233
3	Characterization of Siberian Arctic coastal sediments: Implications for terrestrial organic carbon export. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	166
4	The sources and transport of Sr and Nd isotopes in the Baltic Sea. Earth and Planetary Science Letters, 1992, 113, 459-472.	4.4	139
5	Colloidal rare earth elements in a boreal river: Changing sources and distributions during the spring flood. Geochimica Et Cosmochimica Acta, 2006, 70, 3261-3274.	3.9	120
6	GEOTRACES intercalibration of neodymium isotopes and rare earth element concentrations in seawater and suspended particles. Part 1: reproducibility of results for the international intercomparison. Limnology and Oceanography: Methods, 2012, 10, 234-251.	2.0	119
7	Iron isotope fractionation in river colloidal matter. Earth and Planetary Science Letters, 2006, 245, 792-798.	4.4	114
8	238U234U and232Th230Th in the Baltic Sea and in river water. Earth and Planetary Science Letters, 1995, 130, 217-234.	4.4	112
9	Ba/Sr, Ca/Sr and 87Sr/86Sr ratios in soil water and groundwater: implications for relative contributions to stream water discharge. Applied Geochemistry, 2000, 15, 311-325.	3.0	111
10	Thallium isotope composition of the upper continental crust and riversâ€"An investigation of the continental sources of dissolved marine thallium. Geochimica Et Cosmochimica Acta, 2005, 69, 2007-2019.	3.9	107
11	Nonconservative behavior of dissolved organic carbon across the Laptev and East Siberian seas. Global Biogeochemical Cycles, 2010, 24, .	4.9	107
12	Colloid dynamics and transport of major elements through a boreal river â€" brackish bay mixing zone. Marine Chemistry, 2000, 71, 1-21.	2.3	105
13	Direct Compound-Specific Stable Chlorine Isotope Analysis of Organic Compounds with Quadrupole GC/MS Using Standard Isotope Bracketing. Analytical Chemistry, 2010, 82, 420-426.	6.5	101
14	Quantification of sedimentary black carbon using the chemothermal oxidation method: an evaluation of ex situ pretreatments and standard additions approaches. Limnology and Oceanography: Methods, 2004, 2, 417-427.	2.0	96
15	Cu isotopes in marine black shales record the Great Oxidation Event. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4941-4946.	7.1	88
16	The importance of colloids for the behavior of uranium isotopes in the low-salinity zone of a stable estuary. Geochimica Et Cosmochimica Acta, 2001, 65, 13-25.	3.9	85
17	Strontium, dissolved and particulate loads in fresh and brackish waters: The Baltic Sea and Mississippi Delta. Earth and Planetary Science Letters, 1994, 124, 195-210.	4.4	83
18	Aeolian dust in the Talos Dome ice core (East Antarctica, Pacific/Ross Sea sector): Victoria Land versus remote sources over the last two climate cycles. Journal of Quaternary Science, 2010, 25, 1327-1337.	2.1	83

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19	Neodymium isotopes in Archean seawater and implications for the marine Nd cycle in Earth's early oceans. Earth and Planetary Science Letters, 2009, 283, 144-155.	4.4	80
20	The Transpolar Drift as a Source of Riverine and Shelfâ€Derived Trace Elements to the Central Arctic Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015920.	2.6	80
21	The isotopic composition of Nd in a boreal river: a reflection of selective weathering and colloidal transport. Geochimica Et Cosmochimica Acta, 2001, 65, 521-527.	3.9	75
22	Iron isotope variations in Holocene sediments of the Gotland Deep, Baltic Sea. Geochimica Et Cosmochimica Acta, 2008, 72, 807-826.	3.9	73
23	Source and formation of the upper halocline of the Arctic Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 410-421.	2.6	72
24	Tracing silicate weathering processes in the permafrost-dominated Lena River watershed using lithium isotopes. Geochimica Et Cosmochimica Acta, 2019, 245, 154-171.	3.9	64
25	Precise determination of the isotopic composition of Sn using MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 1248-1256.	3.0	62
26	The distribution of neodymium isotopes in Arctic Ocean basins. Geochimica Et Cosmochimica Acta, 2009, 73, 2645-2659.	3.9	57
27	Isotopic analysis of Cd in the mixing zone of Siberian rivers with the Arctic Oceanâ€"New constraints on marine Cd cycling and the isotope composition of riverine Cd. Earth and Planetary Science Letters, 2013, 361, 64-73.	4.4	57
28	Coastal ocean and shelf-sea biogeochemical cycling of trace elements and isotopes: lessons learned from GEOTRACES. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160076.	3.4	56
29	Chlorine Isotope Analysis of Submicromole Organochlorine Samples by Sealed Tube Combustion and Thermal Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 2336-2342.	6.5	52
30	Neodymium isotopes in seawater from the Barents Sea and Fram Strait Arcticâ€"Atlantic gateways. Geochimica Et Cosmochimica Acta, 2008, 72, 2854-2867.	3.9	48
31	Origin of PCDDs in Ball Clay Assessed with Compound-Specific Chlorine Isotope Analysis and Radiocarbon Dating. Environmental Science & Technology, 2006, 40, 3730-3735.	10.0	47
32	Causes of dust size variability in central East Antarctica (Dome B): Atmospheric transport from expanded South American sources duringÂMarine Isotope Stage 2. Quaternary Science Reviews, 2017, 168, 55-68.	3.0	46
33	Characterisation of Fe-bearing particles and colloids in the Lena River basin, NE Russia. Geochimica Et Cosmochimica Acta, 2017, 213, 553-573.	3.9	45
34	Hafnium isotopes in Arctic Ocean water. Geochimica Et Cosmochimica Acta, 2009, 73, 3218-3233.	3.9	44
35	Late Holocene freshening of the Baltic Sea derived from high-resolution strontium isotope analyses of mollusk shells. Geology, 2011, 39, 187-190.	4.4	44
36	Strontium isotopic composition of modern and Holocene mollusc shells as a palaeosalinity indicator for the Baltic Sea. Chemical Geology, 2006, 232, 54-66.	3.3	41

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37	Major element chemistry, Î´2H, Î´18O and 87Sr/86Sr in a snow profile across central Scandinavia. Atmospheric Environment Part A General Topics, 1990, 24, 2601-2608.	1.3	40
38	Evaluation of the collection efficiency of upper ocean sub-photic-layer sediment traps: a 24-month in situ calibration in the open Baltic Sea using234Th. Limnology and Oceanography: Methods, 2004, 2, 62-74.	2.0	37
39	Iron enrichments and Fe isotopic compositions of surface sediments from the Gotland Deep, Baltic Sea. Chemical Geology, 2010, 277, 310-322.	3.3	37
40	GEOTRACES inter-calibration of the stable silicon isotope composition of dissolved silicic acid in seawater. Journal of Analytical Atomic Spectrometry, 2017, 32, 562-578.	3.0	37
41	Determination of Nd Isotopes in Water: A Chemical Separation Technique for Extracting Nd from Seawater Using a Chelating Resin. Analytical Chemistry, 2011, 83, 1336-1341.	6.5	35
42	Effects of growth and dissolution on the fractionation of silicon isotopes by estuarine diatoms. Geochimica Et Cosmochimica Acta, 2014, 130, 156-166.	3.9	35
43	Chlorine isotope fractionation of a semi-volatile organochlorine compound during preparative megabore-column capillary gas chromatography. Journal of Chromatography A, 2006, 1103, 133-138.	3.7	34
44	Compoundâ€specific bromine isotope analysis of brominated diphenyl ethers using gas chromatography multiple collector/inductively coupled plasma mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2135-2142.	1.5	34
45	Carbon Dioxide-Mediated Generation of Hybrid Nanoparticles for Improved Bioavailability of Protein Kinase Inhibitors. Pharmaceutical Research, 2014, 31, 694-705.	3.5	34
46	Functional separation of colloids and gravitoids in surface waters based on differential settling velocity: Coupled crossâ€flow filtrationâ€”split flow thinâ€cell fractionation (CFFâ€SPLITT). Limnology and Oceanography, 2000, 45, 1731-1742.	3.1	32
47	Assessing the role of submarine groundwater discharge as a source of Sr to the Mediterranean Sea. Geochimica Et Cosmochimica Acta, 2017, 200, 42-54.	3.9	32
48	The concentration and isotopic composition of diffusible Nd in fresh and marine waters. Earth and Planetary Science Letters, 2005, 233, 9-16.	4.4	31
49	Size distribution of colloidal trace metals and organic carbon during a coastal bloom in the Baltic Sea. Marine Chemistry, 2004, 91, 117-130.	2.3	30
50	Chlorine Isotope Effects and Composition of Naturally Produced Organochlorines from Chloroperoxidases, Flavin-Dependent Halogenases, and in Forest Soil. Environmental Science & Technology, 2013, 47, 6864-6871.	10.0	28
51	First compound-specific chlorine-isotope analysis of environmentally-bioaccumulated organochlorines indicates a degradation-relatable kinetic isotope effect for DDT. Chemosphere, 2007, 69, 1533-1539.	8.2	26
52	Compound-specific chlorine isotope analysis of polychlorinated biphenyls isolated from Aroclor and Clophen technical mixtures. Chemosphere, 2008, 71, 299-305.	8.2	26
53	Quantitative salinity reconstructions of the Baltic Sea during the midâ€Holocene. Boreas, 2017, 46, 100-110.	2.4	26
54	Compound-specific bromine isotope compositions of one natural and six industrially synthesised organobromine substances. Environmental Chemistry, 2011, 8, 127.	1.5	25

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55	Spatial variation in concentration and sources of organic carbon in the Lena River, Siberia. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1999-2016.	3.0	25
56	Holocene dust in East Antarctica: Provenance and variability in time and space. Holocene, 2020, 30, 546-558.	1.7	25
57	The POC/234Th ratio of settling particles isolated using split flow-thin cell fractionation (SPLITT). Marine Chemistry, 2006, 100, 314-322.	2.3	21
58	Stable bromine isotopic composition of methyl bromide released from plant matter. Geochimica Et Cosmochimica Acta, 2014, 125, 186-195.	3.9	21
59	Stable silicon isotopic compositions of the Lena River and its tributaries: Implications for silicon delivery to the Arctic Ocean. Geochimica Et Cosmochimica Acta, 2018, 241, 120-133.	3.9	21
60	Compoundâ€specific bromine isotope analysis of methyl bromide using gas chromatography hyphenated with inductively coupled plasma multipleâ€collector mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2425-2432.	1.5	19
61	Silicon isotope enrichment in diatoms during nutrient-limited blooms in a eutrophied river system. Journal of Geochemical Exploration, 2013, 132, 173-180.	3.2	18
62	Stable bromine isotopic composition of atmospheric CH₃Br. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 21040.	1.6	17
63	Submarine groundwater discharge at Forsmark, Gulf of Bothnia, provided by Ra isotopes. Marine Chemistry, 2017, 196, 162-172.	2.3	17
64	Fractionation of surface sediment fines based on a coupled sieveâ€“SPLITT (split flow thin cell) method. Water Research, 2005, 39, 1935-1945.	11.3	15
65	234Th-derived surface export fluxes of POC from the Northern Barents Sea and the Eurasian sector of the Central Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 68, 1-11.	1.4	15
66	Thorium and protactinium isotopes as tracers of marine particle fluxes and deep water circulation in the Mediterranean Sea. Marine Chemistry, 2018, 199, 12-23.	2.3	15
67	Iron isotopes reveal the sources of Fe-bearing particles and colloids in the Lena River basin. Geochimica Et Cosmochimica Acta, 2020, 269, 678-692.	3.9	15
68	Chlorine isotope evidence for the anthropogenic origin of tris-(4-chlorophenyl)methane. Applied Geochemistry, 2010, 25, 1301-1306.	3.0	14
69	Stable silicon isotope analysis on nanomole quantities using MC-ICP-MS with a hexapole gas-collision cell. Journal of Analytical Atomic Spectrometry, 2010, 25, 156-162.	3.0	13
70	231Pa and 230Th in the Arctic Ocean: Implications for boundary scavenging and 231Pa230Th fractionation in the Eurasian Basin. Chemical Geology, 2020, 532, 119380.	3.3	13
71	Hydrogeochemical Processes in the Kafue River upstream from the Copperbelt Mining Area, Zambia. Aquatic Geochemistry, 2000, 6, 385-411.	1.3	12
72	14. The Behavior of U- and Th-series Nuclides in the Estuarine Environment. , 2003, , 577-606.		11

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73	Strontium stratigraphy of the upper Miocene Lithothamnion Limestone in the Majella Mountain, central Italy, and its palaeoenvironmental implications. Lethaia, 2017, 50, 561-575.	1.4	11
74	Distribution of Fe isotopes in particles and colloids in the salinity gradient along the Lena River plume, Laptev Sea. Biogeosciences, 2019, 16, 1305-1319.	3.3	11
75	Advanced Residuals Analysis for Determining the Number of PARAFAC Components in Dissolved Organic Matter. Applied Spectroscopy, 2016, 70, 334-346.	2.2	10
76	Radium isotopes to trace uranium redox anomalies in anoxic groundwater. Chemical Geology, 2020, 531, 119296.	3.3	9
77	Determination of232Th and230Th in seawater using a chemical separation procedure and thermal ionization mass spectrometry. Limnology and Oceanography: Methods, 2012, 10, 296-303.	2.0	6
78	A High-Volume Cryosampler and Sample Purification System for Bromine Isotope Studies of Methyl Bromide*. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2095-2107.	1.3	6
79	Strontium isotopes â€“ A tracer for river suspended iron aggregates. Applied Geochemistry, 2017, 79, 85-90.	3.0	5
80	Assessing the utility of barium isotopes to trace Eurasian riverine freshwater inputs to the Arctic Ocean. Marine Chemistry, 2021, 236, 104029.	2.3	5
81	Ice export from the <scp>L</scp>aptev and <scp>E</scp>ast <scp>S</scp>iberian <scp>S</scp>ea derived from Î´¹⁸<scp>O</scp> values. Journal of Geophysical Research: Oceans, 2015, 120, 5997-6007.	2.6	4
82	On the discovery of ferromanganese nodules in the World Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 175, 103589.	1.4	4
83	Balancing the modern marine barium isotope budget with estuarine processes. , 2021, , .		0