Clemens Reimann

List of Publications by Year in descending order

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38742 37204 10,544 136 50 96 citations g-index h-index papers 137 137 137 8336 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Quantifying diffuse contamination: Comparing silver and mercury in organogenic and minerogenic soil. Science of the Total Environment, 2022, 832, 155065.	8.0	8
2	Excess Cr and Ni in top soil: Comparing the effect of geology, diffuse contamination, and biogenic influence. Science of the Total Environment, 2022, 843, 157059.	8.0	6
3	GEMAS: Geochemical distribution of Mg in agricultural soil of Europe. Journal of Geochemical Exploration, 2021, 221, 106706.	3.2	8
4	Tellurium in the environment: current knowledge and identification of gaps. Environmental Chemistry, 2019, 16, 215.	1.5	43
5	GEMAS: Geochemical background and mineral potential of emerging tech-critical elements in Europe revealed from low-sampling density geochemical mapping. Applied Geochemistry, 2019, 111, 104425.	3.0	14
6	Identification of the co-existence of low total organic carbon contents and low pH values in agricultural soil in north-central Europe using hot spot analysis based on GEMAS project data. Science of the Total Environment, 2019, 678, 94-104.	8.0	39
7	Bioavailable 87Sr/86Sr in European soils: A baseline for provenancing studies. Science of the Total Environment, 2019, 672, 1033-1044.	8.0	81
8	Reliability of geochemical analyses: Deja vu all over again. Science of the Total Environment, 2019, 670, 138-148.	8.0	5
9	The large-scale distribution of Cu and Zn in sub- and topsoil: Separating topsoil bioaccumulation and natural matrix effects from diffuse and regional contamination. Science of the Total Environment, 2019, 655, 730-740.	8.0	12
10	Cadmium enrichment in topsoil: Separating diffuse contamination from biosphere-circulation signals. Science of the Total Environment, 2019, 651, 1344-1355.	8.0	22
11	The response of 12 different plant materials and one mushroom to Mo and Pb mineralization along a 100-km transect in southern central Norway. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 204-215.	0.9	6
12	Fifty-one chemical elements in till from the Oppdal region, Mid-Norway: relation to mineralization, Quaternary and bedrock geology. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 229-240.	0.9	1
13	GEMAS: CNS concentrations and C/N ratios in European agricultural soil. Science of the Total Environment, 2018, 627, 975-984.	8.0	22
14	U-Th signatures of agricultural soil at the European continental scale (GEMAS): Distribution, weathering patterns and processes controlling their concentrations. Science of the Total Environment, 2018, 622-623, 1277-1293.	8.0	16
15	Distribution of Rb, Ga and Cs in agricultural land soils at European continental scale (GEMAS): Implications for weathering conditions and provenance. Chemical Geology, 2018, 479, 188-203.	3.3	31
16	GEMAS: Establishing geochemical background and threshold for 53 chemical elements in European agricultural soil. Applied Geochemistry, 2018, 88, 302-318.	3.0	143
17	Graphical statistics to explore the natural and anthropogenic processes influencing the inorganic quality of drinking water, ground water and surface water. Applied Geochemistry, 2018, 88, 133-148.	3.0	23
18	Geosphere-biosphere circulation of chemical elements in soil and plant systems from a 100†km transect from southern central Norway. Science of the Total Environment, 2018, 639, 129-145.	8.0	20

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19	Response of soil C- and O-horizon and terrestrial moss samples to various lithological units and mineralization in southern Norway. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 252-262.	0.9	8
20	Background values of gold, potentially toxic elements and emerging high-tech critical elements in surface water collected in a remote northern European environment. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 185-195.	0.9	3
21	Element distribution in Lactarius rufus in comparison to the underlying substrate along a transect in southern Norway. Applied Geochemistry, 2018, 97, 61-70.	3.0	12
22	Quantifying Diffuse Contamination: Method and Application to Pb in Soil. Environmental Science & Envir	10.0	22
23	Publicly available datasets on thallium (TI) in the environment—a comment on "Presence of thallium in the environment: sources of contaminations, distribution and monitoring methods―by Bozena Karbowska, Environ Monit Assess (2016) 188:640 (DOI 10.1007/s10661-016-5647-y). Environmental Monitoring and Assessment. 2017. 189. 232.	2.7	4
24	GEMAS: Cadmium distribution and its sources in agricultural and grazing land soil of Europe — Original data versus clr-transformed data. Journal of Geochemical Exploration, 2017, 173, 13-30.	3.2	74
25	Establishing geochemical background variation and threshold values for 59 elements in Australian surface soil. Science of the Total Environment, 2017, 578, 633-648.	8.0	157
26	Comment on "Maps of heavy metals in the soils of the European Union and proposed priority areas for detailed assessment―by Tóth, G., Hermann, T., Szatmári, G., Pásztor, L Science of the Total Environment, 2017, 578, 236-241.	8.0	9
27	Comment on "Heavy metals in agricultural soil of the European Union with implications for food safety―by Tóth, G., Hermann, T., Da Silva, M.R. and Montanarella, L Environment International, 2016, 97, 258-263.	10.0	1
28	Use of GEMAS data for risk assessment of cadmium in European agricultural and grazing land soil under the REACH Regulation. Applied Geochemistry, 2016, 74, 109-121.	3.0	24
29	GEMAS: Source, distribution patterns and geochemical behaviour of Ge in agricultural and grazing land soils at European continental scale. Applied Geochemistry, 2016, 72, 113-124.	3.0	12
30	The single component geochemical map: Fact or fiction?. Journal of Geochemical Exploration, 2016, 162, 16-28.	3.2	73
31	Low density geochemical mapping and mineral exploration: application of the mineral system concept. Geochemistry: Exploration, Environment, Analysis, 2016, 16, 48-61.	0.9	19
32	GEMAS: Prediction of solidâ€solution phase partitioning coefficients (<i>K</i> _d) for oxoanions and boric acid in soils using midâ€infrared diffuse reflectance spectroscopy. Environmental Toxicology and Chemistry, 2015, 34, 235-246.	4.3	7
33	Inorganic chemical quality of European tap-water: 1. Distribution of parameters and regulatory compliance. Applied Geochemistry, 2015, 59, 200-210.	3.0	29
34	GEMAS: Indium in agricultural and grazing land soil of Europe â€" Its source and geochemical distribution patterns. Journal of Geochemical Exploration, 2015, 154, 61-80.	3.2	23
35	Geochemical fingerprinting and source discrimination of agricultural soils at continental scale. Chemical Geology, 2015, 396, 1-15.	3.3	39
36	GEMAS: Prediction of solidâ€solution partitioning coefficients (⟨i⟩K⟨/i⟩⟨sub⟩d⟨/sub⟩) for cationic metals in soils using midâ€infrared diffuse reflectance spectroscopy. Environmental Toxicology and Chemistry, 2015, 34, 224-234.	4.3	8

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37	Blind Source Separation for Spatial Compositional Data. Mathematical Geosciences, 2015, 47, 753-770.	2.4	24
38	GEMAS: Spatial distribution of the pH of European agricultural and grazing land soil. Applied Geochemistry, 2014, 48, 207-216.	3.0	71
39	Contemporary lead concentration and stable lead isotope ratio distribution in forest moss across the Czech Republic. Applied Geochemistry, 2014, 40, 51-60.	3.0	29
40	Arsenic in agricultural and grazing land soils of Europe. Applied Geochemistry, 2013, 28, 2-10.	3.0	73
41	Mercury in European agricultural and grazing land soils. Applied Geochemistry, 2013, 33, 1-12.	3.0	82
42	European Ground Water Geochemistry Using Bottled Water as a Sampling Medium. NATO Science for Peace and Security Series C: Environmental Security, 2012, , 115-139.	0.2	2
43	A soil geochemical background for northeastern Brazil. Geochemistry: Exploration, Environment, Analysis, 2012, 12, 197-209.	0.9	17
44	Top-/bottom-soil ratios and enrichment factors: What do they really show?. Applied Geochemistry, 2012, 27, 138-145.	3.0	97
45	Lead and lead isotopes in agricultural soils of Europe – The continental perspective. Applied Geochemistry, 2012, 27, 532-542.	3.0	129
46	Comparing results from two continental geochemical surveys to world soil composition and deriving Predicted Empirical Global Soil (PEGS2) reference values. Earth and Planetary Science Letters, 2012, 319-320, 269-276.	4.4	61
47	Temperature-dependent leaching of chemical elements from mineral water bottle materials. Applied Geochemistry, 2012, 27, 1492-1498.	3.0	36
48	Interpretation of multivariate outliers for compositional data. Computers and Geosciences, 2012, 39, 77-85.	4.2	89
49	New soil composition data for Europe and Australia: Demonstrating comparability, identifying continental-scale processes and learning lessons for global geochemical mapping. Science of the Total Environment, 2012, 416, 239-252.	8.0	110
50	The concept of compositional data analysis in practice — Total major element concentrations in agricultural and grazing land soils of Europe. Science of the Total Environment, 2012, 426, 196-210.	8.0	211
51	Spatial distribution of lead and lead isotopes in soil B-horizon, forest-floor humus, grass (Avenella) Tj ETQq1 1 0 1205-1214.	.784314 rş 3.0	gBT /Overlock 36
52	Pb-concentrations and Pb-isotope ratios in soils collected along an east–west transect across the United States. Applied Geochemistry, 2011, 26, 1623-1631.	3.0	38
53	Lead and stable Pb-isotope characteristics of tropical soils in north-eastern Brazil. Applied Geochemistry, 2011, 26, 2191-2200.	3.0	7
54	The performance of moss, grass, and 1- and 2-year old spruce needles as bioindicators of contamination: A comparative study at the scale of the Czech Republic. Science of the Total Environment, 2011, 409, 2281-2297.	8.0	50

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55	Magnetic properties of terrestrial moss (Hylocomium splendens) along a north–south profile crossing the city of Oslo, Norway. Science of the Total Environment, 2011, 409, 2252-2260.	8.0	32
56	Linking chemical elements in forest floor humus (Oh-horizon) in the Czech Republic to contamination sources. Environmental Pollution, 2011, 159, 1205-1214.	7.5	25
57	The Scale of an Urban Contamination Footprint: Results from a Transect through Oslo, Norway. , 2011, , 232-244.		0
58	Data Analysis for Urban Geochemical Data. , 2011, , 99-115.		2
59	The bivariate statistical analysis of environmental (compositional) data. Science of the Total Environment, 2010, 408, 4230-4238.	8.0	160
60	Determination of major and trace elements in European bottled mineral water $\hat{a} \in \text{``Analytical methods.}$ Journal of Geochemical Exploration, 2010, 107, 217-226.	3.2	96
61	Foreword by the Chairman of the EuroGeoSurveys Geochemistry Expert Group. Journal of Geochemical Exploration, 2010, 107, v-vi.	3.2	O
62	Antimony in the environment: Lessons from geochemical mapping. Applied Geochemistry, 2010, 25, 175-198.	3.0	108
63	Bottled drinking water: Water contamination from bottle materials (glass, hard PET, soft PET), the influence of colour and acidification. Applied Geochemistry, 2010, 25, 1030-1046.	3.0	98
64	Reply to the comment "Bottled drinking water: Water contamination from bottle materials (glass,) Tj ETQq0 Geochemistry, 2010, 25, 1464-1465.	0 0 rgBT / 3.0	Overlock 10 T 7
65	Univariate statistical analysis of environmental (compositional) data: Problems and possibilities. Science of the Total Environment, 2009, 407, 6100-6108.	8.0	354
66	Emissions from the copper–nickel industry on the Kola Peninsula and at Noril'sk, Russia. Atmospheric Environment, 2009, 43, 1474-1480.	4.1	46
67	Robust factor analysis for compositional data. Computers and Geosciences, 2009, 35, 1854-1861.	4.2	116
68	Principal component analysis for compositional data with outliers. Environmetrics, 2009, 20, 621-632.	1.4	376
69	Arsenic distribution in the environment: The effects of scale. Applied Geochemistry, 2009, 24, 1147-1167.	3.0	119
70	The influence of geology and land-use on inorganic stream water quality in the Oslo region, Norway. Applied Geochemistry, 2009, 24, 1862-1874.	3.0	49
71	Reply to the comment on "Geochemical gradients in soil O-horizon samples from southern Norway: Natural or anthropogenic?―by Eiliv Steinnes. Applied Geochemistry, 2009, 24, 2023-2025.	3.0	4
72	Element levels in birch and spruce wood ashes â€" green energy?. Science of the Total Environment, 2008, 393, 191-197.	8.0	72

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73	The biosphere: A homogeniser of Pb-isotope signals. Applied Geochemistry, 2008, 23, 705-722.	3.0	48
74	Cluster analysis applied to regional geochemical data: Problems and possibilities. Applied Geochemistry, 2008, 23, 2198-2213.	3.0	297
75	Reply to the comment on "The biosphere: A homogenizer of Pb-isotope signals―by Gaël Le Roux, Jeroen Sonke, Christophe Cloquet, Dominique Aubert, and François de Vleeschouwer. Applied Geochemistry, 2008, 23, 2793-2798.	3.0	7
76	Reply to the comments on "The biosphere: A homogenizer of Pb-isotope signals―by Richard Bindler and William Shotyk. Applied Geochemistry, 2008, 23, 2527-2535.	3.0	8
77	Low-density geochemical mapping and the robustness of geochemical patterns. Geochemistry: Exploration, Environment, Analysis, 2008, 8, 219-227.	0.9	41
78	Element concentrations and variations along a 120-km transect in southern Norway – Anthropogenic vs. geogenic vs. biogenic element sources and cycles. Applied Geochemistry, 2007, 22, 851-871.	3.0	79
79	Element contents in mountain birch leaves, bark and wood under different anthropogenic and geogenic conditions. Applied Geochemistry, 2007, 22, 1549-1566.	3.0	58
80	PAH-concentrations and compositions in the top 2cm of forest soils along a 120km long transect through agricultural areas, forests and the city of Oslo, Norway. Environmental Pollution, 2007, 145, 829-838.	7.5	54
81	White HDPE bottles as source of serious contamination of water samples with Ba and Zn. Science of the Total Environment, 2007, 374, 292-296.	8.0	18
82	Element contents in leaves of four plant species (birch, mountain ash, fern and spruce) along anthropogenic and geogenic concentration gradients. Science of the Total Environment, 2007, 377, 416-433.	8.0	74
83	The geographic distribution of fluoride in surface and groundwater in Ethiopia with an emphasis on the Rift Valley. Science of the Total Environment, 2006, 367, 182-190.	8.0	175
84	The influence of a city on element contents of a terrestrial moss (Hylocomium splendens). Science of the Total Environment, 2006, 369, 419-432.	8.0	53
85	Regional Distribution of Pd, Pt and Au-Emissions from the Nickel Industry on the Kola Peninsula, NW-Russia, as Seen in Moss and Humus Samples. , 2006, , 53-70.		8
86	Sub-continental-scale geochemical mapping: sampling, quality control and data analysis issues. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 311-323.	0.9	26
87	Multivariate outlier detection in exploration geochemistry. Computers and Geosciences, 2005, 31, 579-587.	4.2	329
88	Distinguishing between natural and anthropogenic sources for elements in the environment: regional geochemical surveys versus enrichment factors. Science of the Total Environment, 2005, 337, 91-107.	8.0	562
89	Background and threshold: critical comparison of methods of determination. Science of the Total Environment, 2005, 346, 1-16.	8.0	639
90	Geochemical backgroundâ€"concept and reality. Science of the Total Environment, 2005, 350, 12-27.	8.0	547

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91	Geochemical mapping: technique or art?. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 359-370.	0.9	64
92	Setting action levels for drinking water: Are we protecting our health or our economy (or our) Tj ETQq0 0 0 rgBT /C	yerlock 1	0 Jf 50 702
93	Drinking water quality in the Ethiopian section of the East African Rift Valley Iâ€"data and health aspects. Science of the Total Environment, 2003, 311, 65-80.	8.0	207
94	Total sulphur in leaves of several plant species from nine catchments within a 1 500 000 km2 area in northern Europe: local vs. regional variability. Geochemistry: Exploration, Environment, Analysis, 2003, 3, 205-215.	0.9	6
95	High-fluoride drinking water. A health problem in the Ethiopian Rift Valley 1. Assessment of lateritic soils as defluoridating agents. Oral Health & Preventive Dentistry, 2003, 1, 141-8.	0.5	3
96	Factor analysis applied to regional geochemical data: problems and possibilities. Applied Geochemistry, 2002, 17, 185-206.	3.0	452
97	Regional distribution of Al, B, Ba, Ca, K, La, Mg, Mn, Na, P, Rb, Si, Sr, Th, U and Y in terrestrial moss within a 188,000 km2 area of the central Barents region: influence of geology, seaspray and human activity. Applied Geochemistry, 2001, 16, 137-159.	3.0	54
98	Metallogenic provinces, geochemical provinces and regional geology— what causes large-scale patterns in low density geochemical maps of the C-horizon of podzols in Arctic Europe?. Applied Geochemistry, 2001, 16, 963-983.	3.0	34
99	Multi-element, multi-medium regional geochemistry in the European Arctic: element concentration, variation and correlation. Applied Geochemistry, 2001, 16, 759-780.	3.0	89
100	Hydrochemical distribution patterns in stream waters, TrÃ,ndelag, central Norway. Science of the Total Environment, 2001, 267, 1-21.	8.0	17
101	Comparison of the element composition in several plant species and their substrate from a 1â€⁻500â€^000-km2 area in Northern Europe. Science of the Total Environment, 2001, 278, 87-112.	8.0	141
102	Intrinsic Flaws of Element Enrichment Factors (EFs) in Environmental Geochemistry. Environmental Science & Environmental Scien	10.0	432
103	Processes influencing the chemical composition of the O-horizon of podzols along a 500-km north–south profile from the coast of the Barents Sea to the Arctic Circle. Geoderma, 2000, 95, 113-139.	5.1	42
104	Impacts of Airborne Contamination on Regional Soil and Water Quality:Â The Kola Peninsula, Russia. Environmental Science & Environmental Science & Env	10.0	35
105	Platinum-group elements (Rh, Pt, Pd) and Au distribution in snow samples from the Kola Peninsula, NW Russia. Atmospheric Environment, 1999, 33, 3281-3290.	4.1	28
106	Lake water geochemistry on the western Kola Peninsula, north-west Russia. Applied Geochemistry, 1999, 14, 787-805.	3.0	17
107	Influence of filtration on concentrations of 62 elements analysed on crystalline bedrock groundwater samples by ICP-MS. Science of the Total Environment, 1999, 234, 155-173.	8.0	39
108	Does bottle type and acid-washing influence trace element analyses by ICP-MS on water samples?. Science of the Total Environment, 1999, 239, 111-130.	8.0	32

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109	Variation of 66 elements in European bottled mineral waters. Science of the Total Environment, 1999, 243-244, 21-41.	8.0	130
110	Comparison of plant and precipitation chemistry in catchments with different levels of pollution on the Kola Peninsula, Russia. Science of the Total Environment, 1999, 243-244, 169-191.	8.0	43
111	Snow composition in eight catchments in the central barents Euro-Arctic region. Atmospheric Environment, 1998, 32, 2609-2626.	4.1	45
112	Is pure groundwater safe to drink?: natural "contamination' of groundwater in Norway. Geology Today, 1998, 14, 104-113.	0.9	19
113	Factors influencing NO3 concentrations in rain, stream water, ground water and podzol profiles of eight small catchments in the European Arctic. Environmental Pollution, 1998, 102, 559-568.	7.5	9
114	Groundwater composition near the nickel—copper smelting industry on the Kola Peninsula, central Barents Region (NW Russia and NE Norway). Journal of Hydrology, 1998, 208, 92-107.	5.4	31
115	Annual atmospheric deposition of 16 elements in eight catchments of the central Barents region. Science of the Total Environment, 1998, 220, 95-114.	8.0	30
116	Mineralogical fingerprints of industrial emissions — an example from Ni mining and smelting on the Kola Peninsula, NW Russia. Science of the Total Environment, 1998, 221, 189-200.	8.0	33
117	Comparison of elemental contents in O- and C-horizon soils from the surroundings of Nikel, Kola Peninsula, using different grain size fractions and extractions. Geoderma, 1998, 84, 65-87.	5.1	42
118	Chemical Elements in the Environment. , 1998, , .		321
119	Factors influencing NO3 concentrations in rain, stream water, ground water and podzol profiles of eight small catchments in the European Arctic., 1998,, 559-568.		0
120	Mass Balance between Emission and Deposition of Airborne Contaminants. Environmental Science & Emission and Deposition of Airborne Contaminants. Environmental Science & Emission and Deposition of Airborne Contaminants.	10.0	33
121	Topsoil (O–5 cm) composition in eight arctic catchments in northern Europe (Finland, Norway and) Tj ETQq1 1 (0.784314 7.5	rgBT /Over
122	Seasonal variability of total and easily leachable element contents in topsoils (0–5 cm) from eight catchments in the European Arctic (Finland, Norway and Russia). Environmental Pollution, 1997, 96, 261-274.	7.5	80
123	Regional patterns of heavy metals (Co, Cr, Cu, Fe, Ni, Pb, V and Zn) and sulphur in terrestrial moss samples as indication of airborne pollution in a 188, 000 km2 area in northern Finland, Norway and Russia. Journal of Geochemical Exploration, 1997, 58, 269-281.	3.2	50
124	Anthropogenic noble-metal enrichment of topsoil in the Monchegorsk area, Kola Peninsula, northwest Russia. Journal of Geochemical Exploration, 1997, 58, 283-289.	3.2	38
125	Regional atmospheric deposition patterns of Ag, As, Bi, Cd, Hg, Mo, Sb and Tl in a 188,000 km2 area in the European arctic as displayed by terrestrial moss samples-long-range atmospheric transport vs local impact. Atmospheric Environment, 1997, 31, 3887-3901.	4.1	63
126	Rainwater composition in eight arctic catchments in northern Europe (Finland, Norway and Russia). Atmospheric Environment, 1997, 31, 159-170.	4.1	95

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127	Comparison of sulphur and heavy metal contents and their regional distribution in humus and moss samples from the vicinity of Nikel and Zapoljarnij, Kola Peninsula, Russia. Water, Air, and Soil Pollution, 1997, 98, 361-380.	2.4	26
128	Regional variation of snowpack chemistry in the vicinity of Nikel and Zapoljarnij, Russia, northern Finland and Norway. Science of the Total Environment, 1996, 182, 147-158.	8.0	57
129	Distribution and pathways of heavy metals and sulphur in the vicinity of the copper-nickel smelters in Nikel and Zapoljarnij, Kola Peninsula, Russia, as revealed by different sample media. Applied Geochemistry, 1996, 11, 25-34.	3.0	58
130	Stream water geochemistry from selected catchments on the Kola Peninsula (NW Russia) and in neighbouring areas of Finland and Norway: 1. Elements levels and sources. Aquatic Geochemistry, 1996, 2, 149-168.	1.3	42
131	Stream water geochemistry from selected catchments on the Kola Peninsula (NW Russia) and in neighbouring areas of Finland and Norway: 2. Time-series. Aquatic Geochemistry, 1996, 2, 169-184.	1.3	27
132	Ecogeochemical investigation, Kola peninsula: Sulphur and trace element content in snow. Water, Air, and Soil Pollution, 1995, 85, 749-754.	2.4	46
133	Natural concentrations of major and trace elements in some Norwegian bedrock groundwaters. Applied Geochemistry, 1995, 10, 1-16.	3.0	102
134	Multielement regional geochemical reconnaissance as an aid to target selection in Irish Caledonian terrains. Journal of Geochemical Exploration, 1993, 47, 63-87.	3.2	35
135	Comparison of stream sediment and soil sampling for regional exploration in the eastern Alps, Austria. Journal of Geochemical Exploration, 1988, 31, 75-85.	3.2	14
136	Monitoring accuracy and precision? Improvements by introducing robust and resistant statistics. Mikrochimica Acta, 1986, 89, 31-42.	5.0	32