

Johan Boman

List of Publications by Year in descending order

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58
papers

1,738
citations

279798

23
h-index

289244

40
g-index

65
all docs

65
docs citations

65
times ranked

2399
citing authors

#	ARTICLE	IF	CITATIONS
1	The MAPK Hog1p Modulates Fps1p-dependent Arsenite Uptake and Tolerance in Yeast. <i>Molecular Biology of the Cell</i> , 2006, 17, 4400-4410.	2.1	177
2	Biomonitoring of trace elements in muscle and liver tissue of freshwater fish. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 2215-2226.	2.9	129
3	Physical and chemical characterisation of PM emissions from two ships operating in European Emission Control Areas. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 3577-3596.	3.1	115
4	Domestic wood burning and PM trace elements: Personal exposures, indoor and outdoor levels. <i>Atmospheric Environment</i> , 2005, 39, 2643-2653.	4.1	89
5	Impact of Relative Humidity and Water Soluble Constituents of PM _{2.5} on Visibility Impairment in Beijing, China. <i>Aerosol and Air Quality Research</i> , 2014, 14, 260-268.	2.1	71
6	Indoor and outdoor concentrations of PM _{2.5} trace elements at homes, preschools and schools in Stockholm, Sweden. <i>Journal of Environmental Monitoring</i> , 2007, 9, 348-357.	2.1	69
7	Wood smoke particles from different combustion phases induce similar pro-inflammatory effects in a co-culture of monocyte and pneumocyte cell lines. <i>Particle and Fibre Toxicology</i> , 2012, 9, 45.	6.2	69
8	Black carbon and total carbon measurements at urban and rural sites in Kenya, East Africa. <i>Atmospheric Environment</i> , 2003, 37, 1149-1154.	4.1	63
9	Biomonitoring of trace elements in Vietnamese freshwater mussels. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1125-1132.	2.9	60
10	Photochemical smog in China: scientific challenges and implications for air-quality policies. <i>National Science Review</i> , 2016, 3, 401-403.	9.5	58
11	Spectroscopic investigation of PM _{2.5} collected at industrial, residential and traffic sites in Taif, Saudi Arabia. <i>Journal of Aerosol Science</i> , 2015, 79, 97-108.	3.8	46
12	On the elemental composition of PM _{2.5} in central Cairo, Egypt. <i>X-Ray Spectrometry</i> , 2013, 42, 276-283.	1.4	45
13	Personal exposures and indoor, residential outdoor, and urban background levels of fine particle trace elements in the general population. <i>Journal of Environmental Monitoring</i> , 2006, 8, 543-551.	2.1	44
14	Source apportionment and seasonal variation of PM _{2.5} in a Sub-Saharan African city: Nairobi, Kenya. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9977-9991.	4.9	43
15	A tentative study of urban and suburban fine particles (PM _{2.5}) collected in Ouagadougou, Burkina Faso. <i>X-Ray Spectrometry</i> , 2009, 38, 354-362.	1.4	41
16	Designing a sustainability-driven entrepreneurship curriculum as a social learning process: A case study from an international knowledge alliance project. <i>Journal of Cleaner Production</i> , 2018, 172, 4357-4366.	9.3	40
17	Elemental Composition of PM _{2.5} Particles Sampled in Industrial and Residential Areas of Taif, Saudi Arabia. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1356-1364.	2.1	38
18	Method development for the determination of Cd, Cu, Ni and Pb in PM _{2.5} particles sampled in industrial and urban areas of Greater Cairo, Egypt, using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2014, 113, 4-9.	4.5	37

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19	Exploring the structural and optical properties of FeS filled graphene/PVA blend for environmental-friendly applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	30
20	Elemental composition of tropospheric aerosols in Hanoi, Vietnam and Nairobi, Kenya. <i>Science of the Total Environment</i> , 2005, 341, 241-249.	8.0	29
21	Intra-urban air pollution in a rapidly growing Sahelian city. <i>Environment International</i> , 2012, 40, 51-62.	10.0	28
22	Assessment of inorganic content of PM _{2.5} particles sampled in a rural area north-east of Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2006, 368, 675-685.	8.0	27
23	Characterization of aerosol particles at an industrial background site in Nairobi, Kenya. <i>X-Ray Spectrometry</i> , 2009, 38, 37-44.	1.4	26
24	Health Risk Assessment of PM _{2.5} and PM _{2.5} -Bound Trace Elements in Thohoyandou, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1359.	2.6	24
25	Elemental analysis of size-fractionated particulate matter sampled in Gästeborg, Sweden. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1426-1431.	2.9	23
26	Elemental Composition of PM _{2.5} Aerosol in a Residential "Industrial Area of a Mediterranean Megacity. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 78, 68-78.	4.1	20
27	Elemental characterization of aerosols in urban and rural locations in Bangladesh. <i>X-Ray Spectrometry</i> , 2005, 34, 460-467.	1.4	19
28	Improved technique for quantitative EDXRF analysis of powdered plant samples. <i>X-Ray Spectrometry</i> , 1998, 27, 367-372.	1.4	17
29	Eco-labelling of courses and programs at University of Gothenburg. <i>Journal of Cleaner Production</i> , 2013, 48, 48-53.	9.3	17
30	Trace elements in PM _{2.5} in Gothenburg, Sweden. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 478-482.	2.9	16
31	A total-reflection X-ray fluorescence spectrometer using a rotating anode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 371, 553-559.	1.6	15
32	Elemental composition of fine particulate matter (PM _{2.5}) in Skopje, FYR of Macedonia. <i>X-Ray Spectrometry</i> , 2011, 40, 280-288.	1.4	15
33	Identification of elemental composition of PM _{2.5} collected in Makkah, Saudi Arabia, using EDXRF. <i>X-Ray Spectrometry</i> , 2017, 46, 151-163.	1.4	15
34	Characterization of Size-Fractionated Particulate Matter and Deposition Fractions in Human Respiratory System in a Typical African City: Nairobi, Kenya. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2378-2385.	2.1	14
35	Time and position dependent artefacts in X-ray spectra from a Si(Li) detector. <i>Physica Scripta</i> , 1988, 37, 274-278.	2.5	13
36	Concentrations of some elements in and on Scots pine needles. <i>X-Ray Spectrometry</i> , 1999, 28, 275-281.	1.4	13

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37	Source apportionment of fine atmospheric particles using positive matrix factorization in Pretoria, South Africa. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 716.	2.7	12
38	Use of total-reflection X-ray fluorescence in search of a biomonitor for environmental pollution in Vietnam. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 2147-2155.	2.9	11
39	High Levels of Fine Particulate Matter (PM2.5) Concentrations from Burning Solid Fuels in Rural Households of Butajira, Ethiopia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6942.	2.6	10
40	Polarisation traps in a Si(Li)-detector. <i>Physica Scripta</i> , 1988, 37, 279-281.	2.5	9
41	Trace elements in tissues from Vietnamese animals. <i>X-Ray Spectrometry</i> , 2001, 30, 388-392.	1.4	9
42	Inorganic element concentrations in near surface aerosols sampled on the northwest slopes of Mount Kenya. <i>Atmospheric Environment</i> , 2001, 35, 6015-6019.	4.1	9
43	Trace element categorization of pollution sources in the equator town of Nanyuki, Kenya. <i>X-Ray Spectrometry</i> , 2005, 34, 118-123.	1.4	9
44	Inorganic and black carbon aerosol concentrations at a high altitude on Mt Kenya. <i>X-Ray Spectrometry</i> , 2009, 38, 26-36.	1.4	8
45	Environmental implications of high metal content in soils of a titanium mining zone in Kenya. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21431-21440.	5.3	8
46	Cesium as a Tracer for Alkali Processes in a Circulating Fluidized Bed Reactor. <i>Energy & Fuels</i> , 2006, 20, 979-985.	5.1	7
47	Analysis of organic substances and trace elements in aerosol samples using Fourier transform infra-red and total reflection X-ray fluorescence methods, initial experiments. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1193-1197.	2.9	5
48	Elemental content of aerosol particles in an underground tram station. <i>X-Ray Spectrometry</i> , 2009, 38, 322-326.	1.4	5
49	Chemical and Hygroscopic Characterization of Surface Salts in the Qaidam Basin: Implications for Climate Impacts on Planet Earth and Mars. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 651-662.	2.7	5
50	Particulate Matter (PM2.5) Characterization, Air Quality Level and Origin of Air Masses in an Urban Background in Pretoria. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 83, 77-94.	4.1	5
51	Assessment of essential micronutrient levels in common beans (<i>Phaseolus vulgaris</i>) in Kenya by total reflection X-ray fluorescence. <i>X-Ray Spectrometry</i> , 0, , .	1.4	4
52	Non-Covalent Functionalization of Graphene Oxide-Supported 2-Picolylamine-Based Zinc(II) Complexes as Novel Electrocatalysts for Hydrogen Production. <i>Catalysts</i> , 2022, 12, 389.	3.5	4
53	Study of Trace Elements and Soot in Aerosols from a Coal-Fired Power Plant in Northern Vietnam. <i>Environmental Monitoring and Assessment</i> , 2007, 130, 301-309.	2.7	3
54	Mass, black carbon and elemental composition of PM2.5 at an industrial site in Kingston, Jamaica. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 363, 131-134.	1.4	3

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55	A Multimedial Guide to the Information Jungle. European Journal of Engineering Education, 1996, 21, 229-234.	2.3	1
56	Teaching environmental physics with a field measurement campaign. European Journal of Physics, 2003, 24, S73-S81.	0.6	0
57	Elemental concentrations in air, water, and aquatic biota in two rural provinces in northern Vietnam. Chemistry and Ecology, 2007, 23, 63-72.	1.6	0
58	Preface to the Special Issue of the 2016 European Conference on X-ray Spectrometry. X-Ray Spectrometry, 2017, 46, 80-81.	1.4	0