

# Signe Vahur

## List of Publications by Year in descending order

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34  
papers

858  
citations

623734

14  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	ATR-FT-IR spectral collection of conservation materials in the extended region of 4000-800 cm <sup>-1</sup> . Analytical and Bioanalytical Chemistry, 2016, 408, 3373-3379.	3.7	158
2	ATR-FT-IR spectroscopy in the region of 550-230 cm <sup>-1</sup> for identification of inorganic pigments. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1061-1072.	3.9	93
3	Identification and classification of textile fibres using ATR-FT-IR spectroscopy with chemometric methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 175-181.	3.9	88
4	Reflectance FT-IR spectroscopy as a viable option for textile fiber identification. Heritage Science, 2019, 7, .	2.3	79
5	ATR-FT-IR spectroscopy in the region of 500-230 cm <sup>-1</sup> for identification of inorganic red pigments. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 764-771.	3.9	58
6	ATR-FTIR spectroscopy and quantitative multivariate analysis of paints and coating materials. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 207-213.	3.9	55
7	INVESTIGATION OF THE ADHESIVE RESIDUE ON THE FLINT INSERT AND THE ADHESIVE LUMP FOUND FROM THE PULLI EARLY MESOLITHIC SETTLEMENT SITE (ESTONIA) BY MICRO-ATR-FT-IR SPECTROSCOPY. Estonian Journal of Archaeology, 2011, 15, 3.	0.8	31
8	Influence of substituents on the infrared stretching frequencies of carbonyl group in esters of benzoic acid. Journal of Physical Organic Chemistry, 2006, 19, 654-663.	1.9	23
9	Analysis of dammar resin with MALDI-TOF-MS and APCI-TOF-MS. Journal of Mass Spectrometry, 2012, 47, 392-409.	1.6	23
10	Effect of <i>ortho</i> substituents on carbonyl carbon <sup>13</sup> C NMR chemical shifts in substituted phenyl benzoates. Journal of Physical Organic Chemistry, 2009, 22, 1155-1165.	1.9	20
11	Comparison of derivatization methods for the quantitative gas chromatographic analysis of oils. Analytical Methods, 2019, 11, 3514-3522.	2.7	18
12	Multidisciplinary investigation of two Egyptian child mummies curated at the University of Tartu Art Museum, Estonia (Late/Graeco-Roman Periods). PLoS ONE, 2020, 15, e0227446.	2.5	18
13	2,5-Dihydroxybenzoic acid solution in MALDI-MS: ageing and use for mass calibration. Journal of Mass Spectrometry, 2014, 49, 970-979.	1.6	16
14	MALDI-TOF-MS for archaeological lipid residue analysis. Journal of Mass Spectrometry, 2017, 52, 689-700.	1.6	16
15	Instrumental techniques in the analysis of natural red textile dyes. Journal of Cultural Heritage, 2020, 42, 19-27.	3.3	16
16	Alkali activated construction materials: Assessing the alternative use for oil shale processing solid wastes. Construction and Building Materials, 2016, 122, 458-464.	7.2	15
17	Quantitative non-destructive analysis of paper fillers using ATR-FT-IR spectroscopy with PLS method. Analytical and Bioanalytical Chemistry, 2019, 411, 5127-5138.	3.7	13
18	Multi-method Analysis of Avian Eggs as Grave Goods: Revealing Symbolism in Conversion Period Burials at Kukruse, NE Estonia. Environmental Archaeology, 2018, 23, 109-122.	1.2	12

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19	Social food here and hereafter: Multiproxy analysis of gender-specific food consumption in conversion period inhumation cemetery at Kukruse, NE-Estonia. <i>Journal of Archaeological Science</i> , 2018, 97, 90-101.	2.4	12
20	Synthesis and photophysics of a series of lipophilic phosphazene-based fluorescent indicators. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3950.	1.9	12
21	Method development for the analysis of resinous materials with MALDI-MS: novel internal standards and a new matrix material for negative ion mode. <i>Journal of Mass Spectrometry</i> , 2017, 52, 603-617.	1.6	11
22	Classification of archaeological adhesives from Eastern Europe and Urals by ATR-FT-IR spectroscopy and chemometric analysis. <i>Archaeometry</i> , 2022, 64, 227-244.	1.3	11
23	Synthesis and properties of highly lipophilic phosphazene bases. <i>Tetrahedron Letters</i> , 2017, 58, 2098-2102.	1.4	9
24	Kinetic study of hydrolysis of benzoates. part xxvii. ortho substituent effect in alkaline hydrolysis of phenyl esters of substituted benzoic acids in aqueous Bu <sub>4</sub> NBr. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 29-42.	1.0	9
25	Quantitative GC-MS Analysis of Artificially Aged Paints with Variable Pigment and Linseed Oil Ratios. <i>Molecules</i> , 2021, 26, 2218.	3.8	7
26	Diagenetic fate of bioapatite in linguliform brachiopods: multiple apatite phases in shells of Cambrian lingulate brachiopod <i>Ungula ingraca</i> (Eichwald). <i>Lethaia</i> , 2016, 49, 13-27.	1.4	6
27	Sand coatings in paleosols: Evidence of weathering across the Plio-Pleistocene boundary to modern times on Mt. Kenya. <i>Geomorphology</i> , 2018, 317, 91-106.	2.6	5
28	THE LIFE AND TIMES OF AN ESTONIAN MESOLITHIC SLOTTED BONE "DAGGER". EXTENDED OBJECT BIOGRAPHIES FOR LEGACY OBJECTS. <i>Estonian Journal of Archaeology</i> , 2019, 23, 103.	0.8	5
29	<sup>17</sup> O NMR study of ortho and alkyl substituent effects in substituted phenyl and alkyl esters of benzoic acids. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1737-1763.	1.0	4
30	Beneficiation of Oil Shale Processing Waste: Secondary Binder Phases in Alkali Activated Composites. <i>Waste and Biomass Valorization</i> , 2019, 10, 1407-1417.	3.4	4
31	Experimental and Computational Study of Aminoacridines as MALDI(+)MS Matrix Materials for the Analysis of Complex Samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1080-1095.	2.8	4
32	Buried amber finds in the coastal deposits of Saaremaa Island, eastern Baltic Sea – their sedimentary environment and possible use by Bronze Age islanders. <i>Boreas</i> , 2017, 46, 725-736.	2.4	3
33	Quantitative mineralogical analysis of clay-containing materials using ATR-FT-IR spectroscopy with PLS method. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6535-6550.	3.7	3
34	Effects of neutral and charged substituents on the infrared carbonyl stretching frequencies in phenyl and alkyl benzoates in DMSO. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3608.	1.9	1