

# Satu-Pia Reinikainen

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

825  
citations

471509

17  
h-index

501196

28  
g-index

45  
all docs

45  
docs citations

45  
times ranked

877  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions of soil components and their effects on speciation of chromium in soils. <i>Analytica Chimica Acta</i> , 2001, 439, 9-17.	5.4	81
2	Microplastics pollution in the Brahmaputra River and the Indus River of the Indian Himalaya. <i>Science of the Total Environment</i> , 2021, 789, 147968.	8.0	75
3	IR spectroscopy together with multivariate data analysis as a process analytical tool for in-line monitoring of crystallization process and solid-state analysis of crystalline product. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 275-284.	2.8	55
4	Raman and ATR FTIR spectroscopy in reactive crystallization: Simultaneous monitoring of solute concentration and polymorphic state of the crystals. <i>Journal of Crystal Growth</i> , 2009, 311, 3466-3475.	1.5	51
5	Multivariate statistical analysis of a multi-step industrial processes. <i>Analytica Chimica Acta</i> , 2007, 595, 248-256.	5.4	48
6	Multivariate modelling of fish freshness index based on ion mobility spectrometry measurements. <i>Analytica Chimica Acta</i> , 2005, 544, 128-134.	5.4	38
7	Multi-block methods in multivariate process control. <i>Journal of Chemometrics</i> , 2008, 22, 281-287.	1.3	36
8	DRIFT-IR for quantitative characterization of polymorphic composition of sulfathiazole. <i>Analytica Chimica Acta</i> , 2005, 544, 108-117.	5.4	34
9	COVPROC method: strategy in modeling dynamic systems. <i>Journal of Chemometrics</i> , 2003, 17, 130-139.	1.3	32
10	In-line monitoring of reactive crystallization process based on ATR-FTIR and Raman spectroscopy. <i>Journal of Chemometrics</i> , 2008, 22, 644-652.	1.3	30
11	A Study on Batch Cooling Crystallization of Sulphathiazole. <i>Chemical Engineering Research and Design</i> , 2006, 84, 47-59.	5.6	29
12	Predicting the drug concentration in starch acetate matrix tablets from ATR-FTIR spectra using multi-way methods. <i>Analytica Chimica Acta</i> , 2007, 595, 190-197.	5.4	25
13	Spectroscopic Monitoring of Carbamazepine Crystallization and Phase Transformation in Ethanol-Water Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 6991-6998.	3.7	25
14	Dynamic PCA-based MSPC charts for nucleation prediction in batch cooling crystallization processes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 126-133.	3.5	23
15	ATR-FTIR in monitoring of crystallization processes: comparison of indirect and direct OSC methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 76, 25-35.	3.5	19
16	Process control and monitoring of reactive crystallization of L-glutamic acid. <i>AIChE Journal</i> , 2010, 56, 2063-2076.	3.6	18
17	Multivariate monitoring of a biological wastewater treatment process: a case study at Melbourne Water's Western Treatment Plant. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 73, 131-138.	3.5	17
18	Monitoring the wetting phase of fluidized bed granulation process using multi-way methods: The separation of successful from unsuccessful batches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 88-93.	3.5	17

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19	A new method for extraction of methanol-soluble brown carbon: Implications for investigation of its light absorption ability. <i>Environmental Pollution</i> , 2020, 262, 114300.	7.5	16
20	Estimation of granule size distribution for batch fluidized bed granulation process using acoustic emission and <i>way</i> PLS. <i>Journal of Chemometrics</i> , 2010, 24, 464-471.	1.3	15
21	Raman spectroscopic imaging of indomethacin loaded in porous silica. <i>CrystEngComm</i> , 2012, 14, 1582-1587.	2.6	12
22	Block-based approach to modelling of granulated fertilizers' quality. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 97, 18-24.	3.5	11
23	Non-linear PLS approach in score surface. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 97, 159-163.	3.5	11
24	Analysis of protein filtration data by PLS regression. <i>Desalination</i> , 2002, 149, 453-458.	8.2	10
25	Multi-block methods in multivariate process control. <i>Journal of Chemometrics</i> , 2008, 22, 580-586.	1.3	10
26	Visual tool for real-time monitoring of membrane fouling via Raman spectroscopy and process model based on principal component analysis. <i>Scientific Reports</i> , 2018, 8, 11057.	3.3	10
27	Nanofiltration of single and mixed salt solutions: Analysis of results using principal component analysis (PCA). <i>Chemical Engineering Research and Design</i> , 2010, 88, 1569-1579.	5.6	9
28	Multivariate data examination in evaluation of the effect of the molecular mass of lignin and hemicelluloses on ultrafiltration efficiency. <i>Separation and Purification Technology</i> , 2015, 144, 146-152.	7.9	9
29	Estimation of drug release profiles of a heterogeneous set of drugs from a hydrophobic matrix tablet using molecular descriptors. <i>Journal of Chemometrics</i> , 2008, 22, 653-660.	1.3	8
30	Wavelength selection using the measure of topological relevance on the self-organizing map. <i>Journal of Chemometrics</i> , 2008, 22, 610-620.	1.3	8
31	Complexation of Nickel with 2-(Aminomethyl)pyridine at High Zinc Concentrations or in a Nonaqueous Solvent Mixture. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2207-2214.	1.9	8
32	On non-stationarity of dynamic systems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 73, 119-129.	3.5	6
33	Effect of missing values in estimation of mean of auto-correlated measurement series. <i>Analytica Chimica Acta</i> , 2007, 595, 209-215.	5.4	5
34	Profiling of water-soluble carbohydrates in pine and spruce extracts by capillary zone electrophoresis with direct UV detection. <i>Wood Science and Technology</i> , 2015, 49, 795-809.	3.2	5
35	Analysis of linear dynamic systems of low rank. <i>Analytica Chimica Acta</i> , 2005, 544, 2-14.	5.4	4
36	Measurement uncertainty of lactase-containing tablets analyzed with FTIR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 513-518.	2.8	4

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37	Metal Fractionation in Surface Sediments of the Brahmaputra River and Implications for Their Mobilization. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9214.	2.6	3
38	Uncertainty and periodic behavior of process derived from online NIR. <i>Analytica Chimica Acta</i> , 2009, 642, 206-211.	5.4	2
39	Evaluation of variation in dynamic processes via online spectrometers. <i>Journal of Chemometrics</i> , 2012, 26, 333-339.	1.3	2
40	Analysis of linear dynamic systems of low rank. <i>Computer Aided Chemical Engineering</i> , 2003, 14, 497-502.	0.5	1
41	On the effectiveness of crossfitting in multi-block PLS (CFMBPLS). <i>Journal of Chemometrics</i> , 2012, 26, 467-473.	1.3	1
42	Detection of Novel Carbohydrate-Related Compounds in Aqueous Samples Using a Capillary Electrophoretic Profiling Method. <i>Separation Science and Technology</i> , 2015, 50, 911-919.	2.5	1
43	Assessment of water quality in the vicinity of peat extraction sites: The case of Pienä-Saimaa, Finland. <i>Water and Environment Journal</i> , 2016, 30, 157-166.	2.2	1
44	Detection of current inefficiencies in copper electrowinning with multivariate data analysis. , 2016, , .		0