Tomas G Ã–berg

List of Publications by Year
in descending order

		279798	223800
62 papers	**2,186** citations	**23** h-index	**46** g-index
65 all docs	**65** docs citations	**65** times ranked	**2318** citing authors

#	Article	IF	Citations
1	The QSPR-THESAURUS: The Online Platform of the CADASTER Project. ATLA Alternatives To Laboratory Animals, 2014, 42, 13-24.	1.0	10
2	Experimental and Theoretical Studies in the EU FP7 Marie Curie Initial Training Network Project, Environmental ChemOinformatics (ECO). ATLA Alternatives To Laboratory Animals, 2014, 42, 7-11.	1.0	3
3	Gender differences in risk management of contaminated land at a Swedish authority. Journal of Risk Research, 2014, 17, 353-365.	2.6	5
4	Substitution of chemicals based on assessment of hazard, risk and impact. Journal of Risk Research, 2014, 17, 565-568.	2.6	6
5	Description and Propagation of Uncertainty in Input Parameters in Environmental Fate Models. Risk Analysis, 2013, 33, 1353-1366.	2.7	3
6	UNDERSTANDING QUANTITATIVE STRUCTURE–PROPERTY RELATIONSHIPS UNCERTAINTY IN ENVIRONMENTAL FATE MODELING. Environmental Toxicology and Chemistry, 2013, 32, 1069-1076.	4.3	11
7	Assessing bioaccumulation of polybrominated diphenyl ethers for aquatic species by QSAR modeling. Chemosphere, 2012, 89, 433-444.	8.2	28
8	PLS-Optimal: A Stepwise D-Optimal Design Based on Latent Variables. Journal of Chemical Information and Modeling, 2012, 52, 975-983.	5.4	23
9	An evaluation of experimental design in QSAR modelling utilizing the k–medoid clustering. Journal of Chemometrics, 2012, 26, 509-517.	1.3	8
10	The chemical and environmental property space of REACH chemicals. Chemosphere, 2012, 87, 975-981.	8.2	28
11	Variability and Uncertainty in Swedish Exposure Factors for Use in Quantitative Exposure Assessments. Risk Analysis, 2011, 31, 108-119.	2.7	16
12	Climate change — An uncertainty factor in risk analysis of contaminated land. Science of the Total Environment, 2011, 409, 4693-4700.	8.0	17
13	Comparison of theoretical and experimental models for characterizing solvent properties using reversed phase liquid chromatography. Analytica Chimica Acta, 2011, 702, 37-44.	5.4	10
14	Geochemistry of surface sediments in the Archipelago Sea, SW Finland: a multiparameter and multivariate study. Environmental Earth Sciences, 2011, 62, 725-734.	2.7	6
15	CADASTER QSPR Models for Predictions of Melting and Boiling Points of Perfluorinated Chemicals. Molecular Informatics, 2011, 30, 189-204.	2.5	32
16	A Risk Assessment Perspective of Current Practice in Characterizing Uncertainties in QSAR Regression Predictions. Molecular Informatics, 2011, 30, 551-564.	2.5	14
17	Extension of a prediction model to estimate vapor pressures of perfluorinated compounds (PFCs). Chemometrics and Intelligent Laboratory Systems, 2011, 107, 59-64.	3.5	12
18	Applicability Domains for Classification Problems: Benchmarking of Distance to Models for Ames Mutagenicity Set. Journal of Chemical Information and Modeling, 2010, 50, 2094-2111.	5.4	202

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19	Land-use versus natural controls on soil fertility in the Subandean Amazon, Peru. Science of the Total Environment, 2010, 408, 965-975.	8.0	16
20	Updating existing QSAR models: selection and weighting of new data. Journal of Cheminformatics, 2010, 2, .	6.1	0
21	Land-use change versus natural controls on stream water chemistry in the Subandean Amazon, Peru. Applied Geochemistry, 2010, 25, 485-495.	3.0	30
22	Improved process stability during friction stir welding of 5 cm thick copper canisters through shoulder geometry and parameter studies. Science and Technology of Welding and Joining, 2009, 14, 178-184.	3.1	40
23	Increased deposition of polychlorinated biphenyls (PCBs) under an AC high-voltage power line. Atmospheric Environment, 2009, 43, 6168-6174.	4.1	3
24	Modelling of partition constants: linear solvation energy relationships or PLS regression?. Journal of Chemometrics, 2009, 23, 254-262.	1.3	7
25	Exposure to contaminated sediments during recreational activities at a public bathing place. Journal of Hazardous Materials, 2009, 171, 200-207.	12.4	12
26	Identity and dynamics of putative N_2‑fixing picoplankton in the Baltic Sea proper suggest complex patterns of regulation. Environmental Microbiology Reports, 2009, 1, 145-154.	2.4	38
27	Global and Local PLS Regression Models to Predict Vapor Pressure. QSAR and Combinatorial Science, 2008, 27, 273-279.	1.4	16
28	Reliability study of friction stir welded copper canisters containing Sweden's nuclear waste. Reliability Engineering and System Safety, 2008, 93, 1491-1499.	8.9	17
29	Conjoint analysis. Environmental Science and Pollution Research, 2008, 15, 119-119.	5.3	4
30	Conjoint analysis for environmental evaluation. Environmental Science and Pollution Research, 2008, 15, 244-257.	5.3	111
31	Combinatorial QSAR Modeling of Chemical Toxicants Tested against Tetrahymena pyriformis. Journal of Chemical Information and Modeling, 2008, 48, 766-784.	5.4	258
32	Catalytic effects by metal oxides on the formation and degradation of chlorinated aromatic compounds in fly ash. Chemosphere, 2008, 71, 1135-1143.	8.2	37
33	Critical Assessment of QSAR Models of Environmental Toxicity against *Tetrahymena pyriformis:* Focusing on Applicability Domain and Overfitting by Variable Selection. Journal of Chemical Information and Modeling, 2008, 48, 1733-1746.	5.4	350
34	A general structure-property relationship to predict the enthalpy of vaporisation at ambient temperatures. SAR and QSAR in Environmental Research, 2007, 18, 127-139.	2.2	6
35	Metal catalyzed formation of chlorinated aromatic compounds: A study of the correlation pattern in incinerator fly ash. Chemosphere, 2007, 67, S185-S190.	8.2	25
36	Different Catalytic Effects by Copper and Chromium on the Formation and Degradation of Chlorinated Aromatic Compounds in Fly Ash. Environmental Science & Technology, 2007, 41, 3741-3746.	10.0	30

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37	Low-temperature formation and degradation of chlorinated benzenes, PCDD and PCDF in dust from steel production. Science of the Total Environment, 2007, 382, 153-158.	8.0	17
38	Initial Screening of Contaminated Land: A Comparison of US and Swedish Methods. Environmental Management, 2007, 39, 226-234.	2.7	11
39	Introducing Chemometrics to Graduate Students. Journal of Chemical Education, 2006, 83, 1178.	2.3	14
40	Risk Management in Post-Trust Societies. Risk Analysis, 2006, 26, 859-861.	2.7	1
41	Uncertain Numbers and Uncertainty in the Selection of Input Distributions?Consequences for a Probabilistic Risk Assessment of Contaminated Land. Risk Analysis, 2006, 26, 1363-1375.	2.7	46
42	VIRTUAL SCREENING FOR ENVIRONMENTAL POLLUTANTS: STRUCTUREâ€"ACTIVITY RELATIONSHIPS APPLIED TO A DATABASE OF INDUSTRIAL CHEMICALS. Environmental Toxicology and Chemistry, 2006, 25, 1178.	4.3	18
43	Comparing Deterministic and Probabilistic Risk Assessments. A case study at a closed steel mill in southern Sweden (7 pp). Journal of Soils and Sediments, 2006, 6, 55-61.	3.0	11
44	A Review of Probabilistic Risk Assessment of Contaminated Land (12 pp). Journal of Soils and Sediments, 2005, 5, 213-224.	3.0	64
45	A QSAR for the hydroxyl radical reaction rate constant: validation, domain of application, and prediction. Atmospheric Environment, 2005, 39, 2189-2200.	4.1	77
46	Indicator parameters for PCDD/PCDF from electric arc furnaces. Chemometrics and Intelligent Laboratory Systems, 2004, 73, 29-35.	3.5	1
47	Boiling Points of Halogenated Aliphatic Compounds:â€‰ A Quantitative Structureâˆ'Property Relationship for Prediction and Validation. Journal of Chemical Information and Computer Sciences, 2004, 44, 187-192.	2.8	15
48	A QSAR for Baseline Toxicity:Â Validation, Domain of Application, and Prediction. Chemical Research in Toxicology, 2004, 17, 1630-1637.	3.3	69
49	Halogenated aromatics from steel production: results of a pilot-scale investigation. Chemosphere, 2004, 56, 441-448.	8.2	15
50	The Correlation Pattern of Fly Ash Components: Chromium as a Potential Catalyst in the Thermal Formation of Chlorinated Aromatic Compounds. Environmental Chemistry, 2004, 1, 18.	1.5	4
51	Optimization of an industrial afterburner. Journal of Chemometrics, 2003, 17, 5-8.	1.3	6
52	Chlorinated Aromatics from Combustion:Â Influence of Chlorine, Combustion Conditions, and Catalytic Activity. Environmental Science & Technology, 2003, 37, 3995-4000.	10.0	16
53	Distribution and levels of brominated flame retardants in sewage sludge. Chemosphere, 2002, 48, 805-809.	8.2	162
54	Prediction of vapour pressures for halogenated diphenyl ether congeners from molecular descriptors. Environmental Science and Pollution Research, 2002, 9, 405-411.	5.3	24

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55	Importance of the first design matrix in experimental simplex optimization. Chemometrics and Intelligent Laboratory Systems, 1998, 44, 147-151.	3.5	12
56	Indicator parameters for PCDD/PCDF. Chemosphere, 1989, 19, 337-344.	8.2	20
57	Emission and chlorination pattern of PCDD/PCDF predicted from indicator parameters. Chemosphere, 1987, 16, 1221-1230.	8.2	29
58	Brominated aromatics from combustion. Chemosphere, 1987, 16, 2451-2465.	8.2	35
59	â€œDioxinsâ€•from Scandinavian waste combustion plants. Chemosphere, 1986, 15, 2041-2044.	8.2	4
60	Combustion test data from a Swedish hazardous waste incinerator. Chemosphere, 1986, 15, 2045-2048.	8.2	1
61	Hexachlorobenzene as an indicator of dioxin production from combustion. Chemosphere, 1985, 14, 1081-1086.	8.2	45
62	Chlorinated aromatics from the combustion of hazardous waste. Chemosphere, 1985, 14, 215-221.	8.2	32