

Gerrit Schärmann

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

17,360
citations

34105

52
h-index

15266

126
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237
all docs

237
docs citations

237
times ranked

19044
citing authors

#	ARTICLE	IF	CITATIONS
1	The Eco-Exposome Concept: Supporting an Integrated Assessment of Mixtures of Environmental Chemicals. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 30-45.	4.3	25
2	Calibration and field application of the Atlantic HLB Disk containing Chemcatcher® passive sampler – Quantitative monitoring of herbicides, other pesticides, and transformation products in German streams. <i>Journal of Hazardous Materials</i> , 2021, 410, 124538.	12.4	18
3	Pesticides are the dominant stressors for vulnerable insects in lowland streams. <i>Water Research</i> , 2021, 201, 117262.	11.3	118
4	Amino Reactivity of Glutardialdehyde and Monoaldehydes – Chemoassay Profile vs Skin Sensitization Potency. <i>Chemical Research in Toxicology</i> , 2021, 34, 2353-2365.	3.3	4
5	Outer-sphere electron transfer does not underpin B ₁₂ -dependent olefinic reductive dehalogenation in anaerobes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 27520-27524.	2.8	3
6	Polyethersulfone as suitable passive sampler for waterborne hydrophobic organic compounds – Laboratory calibration and field test in the Sosiani river, Kenya. <i>Science of the Total Environment</i> , 2020, 699, 134056.	8.0	8
7	Dehalococoides-Mediated B ₁₂ -Dependent Reductive Dehalogenation of Aromatics Does Not Proceed through Outer-Sphere Electron Transfer. <i>Environmental Science & Technology</i> , 2020, 54, 15751-15758.	10.0	6
8	In Silico Finding of Key Interaction Mediated $\hat{1}\hat{3}\hat{1}^24$ and $\hat{1}\hat{7}$ Nicotinic Acetylcholine Receptor Ligand Selectivity of Quinuclidine-Triazole Chemotype. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6189.	4.1	5
9	Development of Novel Analogs of the Monocarboxylate Transporter Ligand FACH and Biological Validation of One Potential Radiotracer for Positron Emission Tomography (PET) Imaging. <i>Molecules</i> , 2020, 25, 2309.	3.8	4
10	A machine learning approach to discriminate MR1 binders: The importance of the phenol and carbonyl fragments. <i>Journal of Molecular Structure</i> , 2020, 1217, 128459.	3.6	3
11	ERGO: Breaking Down the Wall between Human Health and Environmental Testing of Endocrine Disrupters. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2954.	4.1	31
12	Computational material flow analysis for thousands of chemicals of emerging concern in European waters. <i>Journal of Hazardous Materials</i> , 2020, 397, 122655.	12.4	31
13	Compartment-Specific Screening Tools for Persistence: Potential Role and Application in the Regulatory Context. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 470-481.	2.9	4
14	Exposure and ecotoxicological risk assessment of mixtures of top prescribed pharmaceuticals in Swedish freshwaters. <i>Chemosphere</i> , 2019, 220, 344-352.	8.2	33
15	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. <i>Environmental Sciences Europe</i> , 2019, 31, .	5.5	7
16	Interaction Mode and Regioselectivity in Vitamin B ₁₂ -Dependent Dehalogenation of Aryl Halides by <i>Dehalococoides mccartyi</i> Strain CBDB1. <i>Environmental Science & Technology</i> , 2018, 52, 1834-1843.	10.0	10
17	PBT assessment under REACH: Screening for low aquatic bioaccumulation with QSAR classifications based on physicochemical properties to replace BCF in vivo testing on fish. <i>Science of the Total Environment</i> , 2018, 616-617, 97-106.	8.0	26
18	Maternal phthalate exposure promotes allergic airway inflammation over 2 generations through epigenetic modifications. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 741-753.	2.9	92

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19	Metabolic Mechanism of Aryl Phosphorus Flame Retardants by Cytochromes P450: A Combined Experimental and Computational Study on Triphenyl Phosphate. <i>Environmental Science & Technology</i> , 2018, 52, 14411-14421.	10.0	49
20	Computational Insight into the Activation Mechanism of Carcinogenic <i>N</i> -Nitrosonornicotine (NNN) Catalyzed by Cytochrome P450. <i>Environmental Science & Technology</i> , 2018, 52, 11838-11847.	10.0	7
21	Glutathione Adduct Patterns of Michael-Acceptor Carbonyls. <i>Environmental Science & Technology</i> , 2017, 51, 4018-4026.	10.0	13
22	Anaerobic Dehalogenation of Chloroanilines by <i>Dehalococcoides mccartyi</i> Strain CBDB1 and <i>Dehalobacter</i> Strain 14DCB1 via Different Pathways as Related to Molecular Electronic Structure. <i>Environmental Science & Technology</i> , 2017, 51, 3714-3724.	10.0	21
23	The benzene metabolite 1,4-benzoquinone reduces regulatory T-cell function: A potential mechanism for tobacco smoke-associated atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 603-605.	2.9	2
24	An Integrated Data-Driven Strategy for Safe-by-Design Nanoparticles: The FP7 MODERN Project. <i>Advances in Experimental Medicine and Biology</i> , 2017, 947, 257-301.	1.6	6
25	Pesticides from wastewater treatment plant effluents affect invertebrate communities. <i>Science of the Total Environment</i> , 2017, 599-600, 387-399.	8.0	131
26	Passive sampling for spatial and temporal monitoring of organic pollutants in surface water of a rural-urban river in Kenya. <i>Science of the Total Environment</i> , 2017, 601-602, 453-460.	8.0	17
27	Adsorption of perfluorocarboxylic acids at the silica surface. <i>Chemical Communications</i> , 2017, 53, 589-592.	4.1	24
28	From the exposome to mechanistic understanding of chemical-induced adverse effects. <i>Environment International</i> , 2017, 99, 97-106.	10.0	146
29	Contribution of waste water treatment plants to pesticide toxicity in agriculture catchments. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 135-141.	6.0	49
30	Gas chromatographic determination of perfluorocarboxylic acids in aqueous samples – A tutorial review. <i>Analytica Chimica Acta</i> , 2017, 949, 8-22.	5.4	38
31	Perfluoroalkyl acids in aqueous samples from Germany and Kenya. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11031-11043.	5.3	19
32	Nontargeted detection and identification of (aromatic) amines in environmental samples based on diagnostic derivatization and LC-high resolution mass spectrometry. <i>Chemosphere</i> , 2017, 166, 300-310.	8.2	22
33	Inhalation TTC values: A new integrative grouping approach considering structural, toxicological and mechanistic features. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 78, 8-23.	2.7	21
34	Chemoavailability of Organic Electrophiles: Impact of Hydrophobicity and Reactivity on Their Aquatic Excess Toxicity. <i>Chemical Research in Toxicology</i> , 2016, 29, 952-962.	3.3	31
35	Varying Chirality Across Nicotinic Acetylcholine Receptor Subtypes: Selective Binding of Quinuclidine Triazole Compounds. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 890-895.	2.8	10
36	Distribution of polychlorinated biphenyls, phthalic acid esters, polycyclic aromatic hydrocarbons and organochlorine substances in the Moscow River, Russia. <i>Environmental Pollution</i> , 2016, 210, 409-418.	7.5	51

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37	Development and application of screening tools for biodegradation in water-sediment systems and soil. <i>Science of the Total Environment</i> , 2016, 544, 1020-1030.	8.0	12
38	New hydrolysis products of the beta-lactam antibiotic amoxicillin, their pH-dependent formation and search in municipal wastewater. <i>Water Research</i> , 2016, 88, 880-888.	11.3	97
39	Variation in predicted internal concentrations in relation to PBPK model complexity for rainbow trout. <i>Science of the Total Environment</i> , 2016, 550, 586-597.	8.0	13
40	Inhalation threshold of toxicological concern (TTC) – Structural alerts discriminate high from low repeated-dose inhalation toxicity. <i>Environment International</i> , 2016, 88, 123-132.	10.0	20
41	A Branch-and-Bound Approach for Tautomer Enumeration. <i>Molecular Informatics</i> , 2015, 34, 263-275.	2.5	2
42	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. <i>Environmental Health Perspectives</i> , 2015, 123, 1232-1240.	6.0	89
43	Computational Biotransformation Profile of Paracetamol Catalyzed by Cytochrome P450. <i>Chemical Research in Toxicology</i> , 2015, 28, 585-596.	3.3	15
44	New systematically modified vesamicol analogs and their affinity and selectivity for the vesicular acetylcholine transporter – A critical examination of the lead structure. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 50-67.	5.5	12
45	Anaerobic Microbial Transformation of Halogenated Aromatics and Fate Prediction Using Electron Density Modeling. <i>Environmental Science & Technology</i> , 2015, 49, 6018-6028.	10.0	60
46	Calibration of Chemcatcher® passive sampler for selected highly hydrophobic organic substances under fresh and sea water conditions. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 218-226.	2.4	9
47	White paper on the promotion of an integrated risk assessment concept in European regulatory frameworks for chemicals. <i>Science of the Total Environment</i> , 2015, 521-522, 211-218.	8.0	21
48	Pesticide impact on aquatic invertebrates identified with Chemcatcher® passive samplers and the SPEARpesticides index. <i>Science of the Total Environment</i> , 2015, 537, 69-80.	8.0	51
49	Modeling and predicting pKa values of mono-hydroxylated polychlorinated biphenyls (HO-PCBs) and polybrominated diphenyl ethers (HO-PBDEs) by local molecular descriptors. <i>Chemosphere</i> , 2015, 138, 829-836.	8.2	14
50	The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , 2015, 503-504, 22-31.	8.0	163
51	Comparison of heavy metal content in two sludge drying reed beds of different age. <i>Ecological Engineering</i> , 2015, 74, 48-55.	3.6	17
52	Linear solvation energy relationships as classifier in non-target analysis – An approach for isocratic liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1324, 96-103.	3.7	8
53	Optimizing the aquatic toxicity assessment under REACH through an integrated testing strategy (ITS). <i>Environmental Research</i> , 2014, 135, 156-164.	7.5	11
54	Sorption of chlorimuron-ethyl on montmorillonite clays: effects of exchangeable cations, pH, and ionic strength. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11587-11597.	5.3	6

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55	Integrated testing strategy (ITS) for bioaccumulation assessment under REACH. <i>Environment International</i> , 2014, 69, 40-50.	10.0	14
56	Individual and combined effects of mycotoxins from typical indoor moulds. <i>Toxicology in Vitro</i> , 2013, 27, 1970-1978.	2.4	14
57	A comparative survey of chemistry-driven in silico methods to identify hazardous substances under REACH. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 66, 301-314.	2.7	42
58	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 506-530.	2.7	139
59	Model and Mechanism: N-Hydroxylation of Primary Aromatic Amines by Cytochrome P450. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 744-748.	13.8	62
60	Read-Across Prediction of the Acute Toxicity of Organic Compounds toward the Water Flea <i>Daphnia magna</i> . <i>Molecular Informatics</i> , 2013, 32, 108-120.	2.5	35
61	Model Suite for Predicting the Aquatic Toxicity of α,β -Unsaturated Esters Triggered by Their Chemoavailability. <i>Molecular Informatics</i> , 2013, 32, 98-107.	2.5	5
62	The OSIRIS Weight of Evidence approach: ITS mutagenicity and ITS carcinogenicity. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 170-181.	2.7	14
63	Perspectives for integrating human and environmental risk assessment and synergies with socio-economic analysis. <i>Science of the Total Environment</i> , 2013, 456-457, 307-316.	8.0	37
64	TTC: A new concept for inhalation exposure. <i>Toxicology Letters</i> , 2013, 221, S230.	0.8	1
65	The OSIRIS Weight of Evidence approach: ITS for skin sensitisation. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 146-156.	2.7	30
66	The OSIRIS Weight of Evidence approach: ITS for the endpoints repeated-dose toxicity (RepDose ITS). <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 157-169.	2.7	19
67	Prediction of gas chromatographic retention indices as classifier in non-target analysis of environmental samples. <i>Journal of Chromatography A</i> , 2013, 1285, 139-147.	3.7	17
68	Computational Evidence for α -Nitrosamino Radical as Initial Metabolite for Both the P450 Dealkylation and Denitrosation of Carcinogenic Nitrosamines. <i>Journal of Physical Chemistry B</i> , 2012, 116, 903-912.	2.6	39
69	Linear solvation energy relationships as classifiers in non-target analysis – A gas chromatographic approach. <i>Journal of Chromatography A</i> , 2012, 1264, 95-103.	3.7	9
70	Chemoassay Screening of DNA-Reactive Mutagenicity with 4-(4-Nitrobenzyl)pyridine – Application to Epoxides, Oxetanes, and Sulfur Heterocycles. <i>Chemical Research in Toxicology</i> , 2012, 25, 2092-2102.	3.3	23
71	Identification of river basin specific pollutants and derivation of environmental quality standards: A case study in the Slovak Republic. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 133-145.	11.4	46
72	Structural Alerts for the Excess Toxicity of Acrylates, Methacrylates, and Propiolates Derived from Their Short-Term and Long-Term Bacterial Toxicity. <i>Chemical Research in Toxicology</i> , 2012, 25, 170-180.	3.3	27

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73	Quantitative Read-Across for Predicting the Acute Fish Toxicity of Organic Compounds. <i>Environmental Science & Technology</i> , 2011, 45, 4616-4622.	10.0	74
74	Prediction of the Dissociation Constant pK_a of Organic Acids from Local Molecular Parameters of Their Electronic Ground State. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 2336-2344.	5.4	15
75	Epoxide and Thiirane Toxicity In vitro with the Ciliates <i>Tetrahymena pyriformis</i> : Structural Alerts Indicating Excess Toxicity. <i>Environmental Science & Technology</i> , 2011, 45, 5812-5819.	10.0	57
76	Occurrence and Toxicity of 331 Organic Pollutants in Large Rivers of North Germany over a Decade (1994 to 2004). <i>Environmental Science & Technology</i> , 2011, 45, 6167-6174.	10.0	73
77	A new risk assessment approach for the prioritization of 500 classical and emerging organic microcontaminants as potential river basin specific pollutants under the European Water Framework Directive. <i>Science of the Total Environment</i> , 2011, 409, 2064-2077.	8.0	259
78	Determination of lindane leachability in soil-biosolid systems and its bioavailability in wheat plants. <i>Chemosphere</i> , 2011, 84, 397-402.	8.2	17
79	Linear Solvation Energy Relationships as classifiers in non-target analysis—A capillary liquid chromatography approach. <i>Journal of Chromatography A</i> , 2011, 1218, 8192-8196.	3.7	31
80	Predicting Michael-acceptor reactivity and toxicity through quantum chemical transition-state calculations. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8400.	2.8	69
81	Prediction models for the Abraham hydrogen bond donor strength: comparison of semi-empirical, <i>ab initio</i> , and DFT methods. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1072-1080.	1.9	30
82	1-Methyl-4-(4-nitrobenzoyl)pyridinium perchlorate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2542-o2543.	0.2	0
83	Predicting rate constants of OH radical reactions with organic substances: advances for oxygenated organics through a molecular orbital HF/6-31G** approach. <i>Theoretical Chemistry Accounts</i> , 2010, 127, 355-367.	1.4	6
84	Application of preparative capillary gas chromatography (pcGC), automated structure generation and mutagenicity prediction to improve effect-directed analysis of genotoxicants in a contaminated groundwater. <i>Environmental Science and Pollution Research</i> , 2010, 17, 885-897.	5.3	31
85	Quantitative and qualitative models for carcinogenicity prediction for non-congeneric chemicals using CP ANN method for regulatory uses. <i>Molecular Diversity</i> , 2010, 14, 581-594.	3.9	45
86	Tautomer Identification and Tautomer Structure Generation Based on the InChI Code. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1223-1232.	5.4	23
87	Prediction of Michael-Type Acceptor Reactivity toward Glutathione. <i>Chemical Research in Toxicology</i> , 2010, 23, 1576-1585.	3.3	115
88	Acute and Chronic Toxicity toward the Bacteria <i>Vibrio fischeri</i> of Organic Narcotics and Epoxides: Structural Alerts for Epoxide Excess Toxicity. <i>Chemical Research in Toxicology</i> , 2010, 23, 1936-1946.	3.3	34
89	Comparative Analysis of QSAR Models for Predicting pKa of Organic Oxygen Acids and Nitrogen Bases from Molecular Structure. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1949-1960.	5.4	28
90	Local Electrophilicity Predicts the Toxicity-Relevant Reactivity of Michael Acceptors. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1605-1610.	4.6	53

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91	Thiol Reactivity and Its Impact on the Ciliate Toxicity of α,β -Unsaturated Aldehydes, Ketones, and Esters. <i>Chemical Research in Toxicology</i> , 2010, 23, 1905-1912.	3.3	58
92	Modeling the H bond donor strength of α -OH, α -NH, and α -CH sites by local molecular parameters. <i>Journal of Computational Chemistry</i> , 2009, 30, 1454-1464.	3.3	39
93	Estimation of Soil Organic Carbon Normalized Sorption Coefficient (K_{oc}) Using Least Squares-Support Vector Machine. <i>QSAR and Combinatorial Science</i> , 2009, 28, 561-567.	1.4	27
94	A novel in vitro system for the determination of bioconcentration factors and the internal dose in zebrafish (<i>Danio rerio</i>) eggs. <i>Chemosphere</i> , 2009, 77, 928-933.	8.2	34
95	Prediction of the Intrinsic Hydrogen Bond Acceptor Strength of Organic Compounds by Local Molecular Parameters. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 956-962.	5.4	43
96	Applicability domain of TTC (Threshold of Toxicological Concern) schemes—A conceptual approach. <i>Toxicology Letters</i> , 2009, 189, S11.	0.8	0
97	Prediction of the Intrinsic Hydrogen Bond Acceptor Strength of Chemical Substances from Molecular Structure. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10104-10112.	2.5	41
98	Kinetic Glutathione Chemoassay To Quantify Thiol Reactivity of Organic Electrophiles—Application to α,β -Unsaturated Ketones, Acrylates, and Propiolates. <i>Chemical Research in Toxicology</i> , 2009, 22, 742-750.	3.3	100
99	Chemical Domain of QSAR Models from Atom-Centered Fragments. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2660-2669.	5.4	67
100	External Validation and Prediction Employing the Predictive Squared Correlation Coefficient q^2 Test Set Activity Mean vs Training Set Activity Mean. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 2140-2145.	5.4	461
101	First CoMFA Characterization of Vesamicol Analogs as Ligands for the Vesicular Acetylcholine Transporter. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2128-2136.	6.4	10
102	Determination of Temperature-Dependent Henry's Law Constant of Four Oxygenated Solutes in Water Using Headspace Solid-Phase Microextraction Technique. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2873-2877.	1.9	8
103	Calibration of the Chemcatcher® passive sampler for monitoring selected polar and semi-polar pesticides in surface water. <i>Environmental Pollution</i> , 2008, 155, 52-60.	7.5	75
104	Indirect Photolysis of Organic Compounds: Prediction of OH Reaction Rate Constants through Molecular Orbital Calculations. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11391-11399.	2.5	15
105	Chapter 10 Membrane-enclosed sorptive coating for the monitoring of organic compounds in water. <i>Comprehensive Analytical Chemistry</i> , 2007, 48, 231-249.	1.3	3
106	Comment on "Discriminating toxicant classes by mode of action: 3. Substructure indicators" (M.) Tj ETQq0 0 0 rgBT /Overlock 10 T 2007, 18, 621-624.	2.2	3
107	Estimation of Compartmental Half-lives of Organic Compounds — Structural Similarity versus EPI-Suite. <i>QSAR and Combinatorial Science</i> , 2007, 26, 542-549.	1.4	33
108	Silicone rod extraction of pharmaceuticals from water. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1417-1421.	3.7	28

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109	Model Selection Based on Structural Similarity—Method Description and Application to Water Solubility Prediction. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 636-641.	5.4	46
110	Prediction of the Sorption of Organic Compounds into Soil Organic Matter from Molecular Structure. <i>Environmental Science & Technology</i> , 2006, 40, 7005-7011.	10.0	66
111	Comparative application of solid-phase microextraction fibre assemblies and semi-permeable membrane devices as passive air samplers for semi-volatile chlorinated organic compounds. A case study on the landfill "Grube Antonie" in Bitterfeld, Germany. <i>Environmental Pollution</i> , 2006, 144, 414-422.	7.5	33
112	Prediction of Physicochemical Properties of Organic Compounds from 2D Molecular Structure "Fragment Methods vs. LFER Models. <i>Chimia</i> , 2006, 60, 691-698.	0.6	26
113	Rapid semi-continuous calibration and field test of membrane-enclosed silicone collector as passive water sampler. <i>Journal of Chromatography A</i> , 2006, 1124, 187-195.	3.7	47
114	ACUTE TO CHRONIC RATIOS IN AQUATIC TOXICITY—VARIATION ACROSS TROPHIC LEVELS AND RELATIONSHIP WITH CHEMICAL STRUCTURE. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2937.	4.3	110
115	Neue Kooperation in den Umweltwissenschaften "Assoziation zwischen GDCh und UWSF. <i>Environmental Sciences Europe</i> , 2006, 18, 78-79.	0.1	1
116	Influence of different emission sources on atmospheric organochlorine patterns in Germany. <i>Atmospheric Environment</i> , 2006, 40, 943-957.	4.1	17
117	Indirect determination of low vapour pressures using solid-phase microextraction—application to tetrachlorobenzenes and tetrachlorobenzyltoluenes. <i>Journal of Chromatography A</i> , 2005, 1072, 93-97.	3.7	9
118	Postgraduale Weiterbildung mit dem zertifizierten Abschluss Fach"otoxikologin/e GDCh/SETAC. <i>Environmental Sciences Europe</i> , 2005, 17, 129-130.	0.1	2
119	Prediction of the Temperature Dependency of Henry's Law Constant from Chemical Structure. <i>Environmental Science & Technology</i> , 2005, 39, 6705-6711.	10.0	53
120	Modeling Photoinduced Algal Toxicity of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2005, 39, 4141-4149.	10.0	60
121	ALGAL TOXICITY OF NITROBENZENES: COMBINED EFFECT ANALYSIS AS A PHARMACOLOGICAL PROBE FOR SIMILAR MODES OF INTERACTION. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 324.	4.3	71
122	Ecotoxicological Profiling of Transect River Elbe Sediments. <i>Clean - Soil, Air, Water</i> , 2005, 33, 555-569.	0.6	18
123	Performance of semipermeable membrane devices for sampling of organic contaminants in groundwater. <i>Journal of Environmental Monitoring</i> , 2005, 7, 500.	2.1	16
124	Structural AlertsA New Classification Model to Discriminate Excess Toxicity from Narcotic Effect Levels of Organic Compounds in the Acute Daphnid Assay. <i>Chemical Research in Toxicology</i> , 2005, 18, 536-555.	3.3	174
125	Description of the Electronic Structure of Organic Chemicals Using Semiempirical and Ab Initio Methods for Development of Toxicological QSARs. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 106-114.	5.4	51
126	Octanol/Water Partition Coefficient of Selected Herbicides: Determination Using Shake-Flask Method and Reversed-Phase High-Performance Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 1639-1642.	1.9	51

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127	Dialysis of Persistent Organic Pollutants and Polycyclic Aromatic Hydrocarbons from Semipermeable Membranes. A Procedure Using an Accelerated Solvent Extraction Device. <i>Analytical Chemistry</i> , 2004, 76, 5503-5509.	6.5	30
128	QUANTITATIVE STRUCTURE-PROPERTY RELATIONSHIPS FOR PREDICTING HENRY'S LAW CONSTANT FROM MOLECULAR STRUCTURE. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 1755.	4.3	52
129	MIXTURE TOXICITY AND ITS MODELING BY QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 1900.	4.3	326
130	IDENTIFICATION OF TOXIC PRODUCTS OF ANTHRACENE PHOTOMODIFICATION IN SIMULATED SUNLIGHT. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2228.	4.3	57
131	One-step cleanup for PAH residue analysis in plant matrices using size-exclusion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 53-60.	3.7	25
132	Toxizitätsreduktion durch (Grundwasser-) Sanierung?. <i>Grundwasser</i> , 2003, 8, 32-40.	1.4	0
133	Structure-Activity Relationships for the Toxicity of Substituted Poly-hydroxylated Benzenes to <i>Tetrahymena pyriformis</i> : Influence of Free Radical Formation. <i>QSAR and Combinatorial Science</i> , 2003, 22, 575-582.	1.4	20
134	Modeling Discrimination between Antibacterial and Non-Antibacterial Activity based on 3D Molecular Descriptors. <i>QSAR and Combinatorial Science</i> , 2003, 22, 113-128.	1.4	28
135	Multilinear Regression and Comparative Molecular Field Analysis (CoMFA) of Azo Dye-Fiber Affinities. 2. Inclusion of Solution-Phase Molecular Orbital Descriptors. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1502-1512.	2.8	25
136	Stepwise Discrimination between Four Modes of Toxic Action of Phenols in the <i>Tetrahymena pyriformis</i> Assay. <i>Chemical Research in Toxicology</i> , 2003, 16, 974-987.	3.3	62
137	Polychlorinated naphthalenes in sediments from the industrial region of Bitterfeld. <i>Environmental Pollution</i> , 2003, 121, 81-85.	7.5	55
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