

Klaus KÃ¼mmerer

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

13,822
citations

34076

52
h-index

21521

114
g-index

157
all docs

157
docs citations

157
times ranked

13131
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry and materials science for a sustainable circular polymeric economy. <i>Nature Reviews Materials</i> , 2022, 7, 76-78.	23.3	24
2	In search of the Holy Grail of Rodent control: Step-by-step implementation of safe and sustainable-by-design principles on the example of rodenticides. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100602.	1.6	3
3	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste. <i>Environmental Sciences Europe</i> , 2022, 34, 21.	2.6	39
4	Flavonoids as biopesticides – Systematic assessment of sources, structures, activities and environmental fate. <i>Science of the Total Environment</i> , 2022, 824, 153781.	3.9	32
5	Inventory of biodegradation data of ionic liquids. <i>Chemosphere</i> , 2022, 299, 134385.	4.2	16
6	Transformation products of sulfonamides in aquatic systems: Lessons learned from available environmental fate and behaviour data. <i>Science of the Total Environment</i> , 2022, 830, 154744.	3.9	16
7	Improving the end-of-life management of solar panels in Germany. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112678.	8.2	10
8	Temporal dynamics and ecotoxicological risk assessment of personal care products, phthalate ester plasticizers, and organophosphorus flame retardants in water from Lake Victoria, Uganda. <i>Chemosphere</i> , 2021, 262, 127716.	4.2	50
9	Education in green chemistry and in sustainable chemistry: perspectives towards sustainability. <i>Green Chemistry</i> , 2021, 23, 1594-1608.	4.6	100
10	Towards more sustainable curricula. <i>Nature Reviews Chemistry</i> , 2021, 5, 76-77.	13.8	11
11	Modification of the Lipid Profile of the Initial Oral Biofilm In Situ Using Linseed Oil as Mouthwash. <i>Nutrients</i> , 2021, 13, 989.	1.7	5
12	Growth and fatty acid composition of <i>Acutodesmus obliquus</i> under different light spectra and temperatures. <i>Lipids</i> , 2021, 56, 485-498.	0.7	9
13	Reducing Environmental Pollution by Antibiotics through Design for Environmental Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9358-9368.	3.2	28
14	Toward Application and Implementation of <i>in Silico</i> Tools and Workflows within Benign by Design Approaches. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12461-12475.	3.2	19
15	Sources and pathways of biocides and their transformation products in urban storm water infrastructure of a 2%ha urban district. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4495-4512.	1.9	15
16	Towards the design of organosilicon compounds for environmental degradation by using structure biodegradability relationships. <i>Chemosphere</i> , 2021, 279, 130442.	4.2	7
17	The contribution of material circularity to sustainability – Recycling and reuse of textiles. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 32, 100535.	3.2	26
18	Towards the design of active pharmaceutical ingredients mineralizing readily in the environment. <i>Green Chemistry</i> , 2021, 23, 5006-5023.	4.6	16

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19	Sustainable Chemistryâ€”Path and Goal for a More Sustainable Textile Sector. , 2021, , 75-104.		1
20	Occurrence, distribution, and ecotoxicological risk assessment of selected pharmaceutical compounds in water from Lake Victoria, Uganda. Chemosphere, 2020, 239, 124642.	4.2	80
21	Experimental and in silico assessment of fate and effects of the UV filter 2-phenylbenzimidazole 5-sulfonic acid and its phototransformation products in aquatic solutions. Water Research, 2020, 171, 115393.	5.3	20
22	Material circularity and the role of the chemical sciences as a key enabler of a sustainable post-trash age. Sustainable Chemistry and Pharmacy, 2020, 17, 100312.	1.6	16
23	Using structure biodegradability relationships for environmentally benign design of organosilicons â€” An experimental comparison of organosilicons and their carbon analogues. Sustainable Chemistry and Pharmacy, 2020, 18, 100331.	1.6	3
24	Towards a more sustainable metal use â€” Lessons learned from national strategy documents. Resources Policy, 2020, 68, 101770.	4.2	6
25	Design of a Master of Science Sustainable Chemistry. Sustainable Chemistry and Pharmacy, 2020, 17, 100270.	1.6	4
26	Assessment of the biotic and abiotic elimination processes of five micropollutants during cultivation of the green microalgae Acutodesmus obliquus. Bioresource Technology Reports, 2020, 11, 100512.	1.5	13
27	Natural clay as a sorbent to remove pharmaceutical micropollutants from wastewater. Chemosphere, 2020, 258, 127213.	4.2	27
28	Abiotic and biotic degradation of five aromatic organosilicon compounds in aqueous mediaâ€”Structure degradability relationships. Journal of Hazardous Materials, 2020, 392, 122429.	6.5	6
29	Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids. Green Chemistry, 2020, 22, 4498-4508.	4.6	15
30	Targeted metabolomics of pellicle and saliva in children with different caries activity. Scientific Reports, 2020, 10, 697.	1.6	30
31	A strategy for an initial assessment of the ecotoxicological effects of transformation products of pesticides in aquatic systems following a tiered approach. Environment International, 2020, 137, 105533.	4.8	35
32	Rethinking chemistry for a circular economy. Science, 2020, 367, 369-370.	6.0	150
33	Degradation and Elimination of Anticancer Drugs by Water and Wastewater Treatment â€” Toxicity and Biodegradability Before and After the Treatment. , 2020, , 139-168.		2
34	Antibiotic residues in livestock manure: Does the EU risk assessment sufficiently protect against microbial toxicity and selection of resistant bacteria in the environment?. Journal of Hazardous Materials, 2019, 379, 120807.	6.5	81
35	Photolysis of mixtures of UV filters octocrylene and ethylhexyl methoxycinnamate leads to formation of mixed transformation products and different kinetics. Science of the Total Environment, 2019, 697, 134048.	3.9	15
36	From a problem to a business opportunity-design of pharmaceuticals for environmental biodegradability. Sustainable Chemistry and Pharmacy, 2019, 12, 100136.	1.6	16

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37	Synthesis, self-assembly, bacterial and fungal toxicity, and preliminary biodegradation studies of a series of L-phenylalanine-derived surface-active ionic liquids. <i>Green Chemistry</i> , 2019, 21, 1777-1794.	4.6	52
38	Studying the fate of the drug Chlorprothixene and its photo transformation products in the aquatic environment: Identification, assessment and priority setting by application of a combination of experiments and various in silico assessments. <i>Water Research</i> , 2019, 149, 467-476.	5.3	9
39	Reducing aquatic micropollutants – Increasing the focus on input prevention and integrated emission management. <i>Science of the Total Environment</i> , 2019, 652, 836-850.	3.9	84
40	Biodegradation tests of mercaptocarboxylic acids, their esters, related divalent sulfur compounds and mercaptans. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18393-18411.	2.7	20
41	In silico toxicology protocols. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 96, 1-17.	1.3	159
42	Bioavailability of Antibiotics at Soil-Water Interfaces: A Comparison of Measured Activities and Equilibrium Partitioning Estimates. <i>Environmental Science & Technology</i> , 2018, 52, 6555-6564.	4.6	31
43	Not only biocidal products: Washing and cleaning agents and personal care products can act as further sources of biocidal active substances in wastewater. <i>Environment International</i> , 2018, 115, 247-256.	4.8	34
44	Combination of experimental and in silico methods for the assessment of the phototransformation products of the antipsychotic drug/metabolite Mesoridazine. <i>Science of the Total Environment</i> , 2018, 618, 697-711.	3.9	10
45	Consumers' perceptions of biocidal products in households. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 260-268.	2.1	12
46	PharmCycle: a holistic approach to reduce the contamination of the aquatic environment with antibiotics by developing sustainable antibiotics, improving the environmental risk assessment of antibiotics, and reducing the discharges of antibiotics in the wastewater outlet. <i>Environmental Sciences Europe</i> , 2018, 30, .	2.6	4
47	Green Chemistry and Its Contribution to Industrial Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 173, 281-298.	0.6	8
48	Sustainable Chemistry and the International Sustainable Chemistry Collaborative Centre (ISC ³). <i>Gaia</i> , 2018, 27, 247-249.	0.3	3
49	Management of Environmental Contaminants From Health Care: Sustainable Pharmacy. , 2018, , 225-237.		2
50	Fragrance allergens in household detergents. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 97, 163-169.	1.3	30
51	A path to clean water. <i>Science</i> , 2018, 361, 222-224.	6.0	151
52	Entry of biocides and their transformation products into groundwater via urban stormwater infiltration systems. <i>Water Research</i> , 2018, 144, 413-423.	5.3	46
53	Fenton process on single and mixture components of phenothiazine pharmaceuticals: Assessment of intermediaries, fate, and preliminary ecotoxicity. <i>Science of the Total Environment</i> , 2017, 583, 36-52.	3.9	13
54	Mandelic acid derived ionic liquids: synthesis, toxicity and biodegradability. <i>RSC Advances</i> , 2017, 7, 2115-2126.	1.7	24

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55	Application of titanium dioxide nanoparticles as a photocatalyst for the removal of micropollutants such as pharmaceuticals from water. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 1-10.	3.2	72
56	Hazard screening of photo-transformation products from pharmaceuticals: Application to selective β 1-blockers atenolol and metoprolol. <i>Science of the Total Environment</i> , 2017, 579, 1769-1780.	3.9	17
57	Antimicrobial activity of pharmaceutical cocktails in sewage treatment plant effluent – An experimental and predictive approach to mixture risk assessment. <i>Environmental Pollution</i> , 2017, 231, 1507-1517.	3.7	20
58	Sustainable Chemistry: A Future Guiding Principle. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16420-16421.	7.2	81
59	Nachhaltige Chemie – das künftige Leitbild. <i>Angewandte Chemie</i> , 2017, 129, 16640-16641.	1.6	15
60	Transformation products in the water cycle and the unsolved problem of their proactive assessment: A combined in vitro/in silico approach. <i>Environment International</i> , 2017, 98, 171-180.	4.8	28
61	Initial fate assessment of teratogenic drug trimipramine and its photo-transformation products – Role of pH, concentration and temperature. <i>Water Research</i> , 2017, 108, 197-211.	5.3	14
62	Putting sustainable chemistry and resource use into context: The role of temporal diversity. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 105-114.	1.6	7
63	LC-HRMS Data Processing Strategy for Reliable Sample Comparison Exemplified by the Assessment of Water Treatment Processes. <i>Analytical Chemistry</i> , 2017, 89, 13219-13226.	3.2	46
64	Possible underestimations of risks for the environment due to unregulated emissions of biocides from households to wastewater. <i>Environment International</i> , 2016, 94, 695-705.	4.8	33
65	Experimental and in silico assessment of fate and effects of the antipsychotic drug quetiapine and its bio- and phototransformation products in aquatic environments. <i>Environmental Pollution</i> , 2016, 218, 66-76.	3.7	12
66	Photodegradation of the UV filter ethylhexyl methoxycinnamate under ultraviolet light: Identification and in silico assessment of photo-transformation products in the context of grey water reuse. <i>Science of the Total Environment</i> , 2016, 572, 1092-1100.	3.9	23
67	On the way to greener ionic liquids: identification of a fully mineralizable phenylalanine-based ionic liquid. <i>Green Chemistry</i> , 2016, 18, 4361-4373.	4.6	50
68	Synthesis of a series of amino acid derived ionic liquids and tertiary amines: green chemistry metrics including microbial toxicity and preliminary biodegradation data analysis. <i>Green Chemistry</i> , 2016, 18, 4374-4392.	4.6	69
69	General strategies to increase the repeatability in non-target screening by liquid chromatography-high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 935, 173-186.	2.6	41
70	UV-photodegradation of desipramine: Impact of concentration, pH and temperature on formation of products including their biodegradability and toxicity. <i>Science of the Total Environment</i> , 2016, 566-567, 826-840.	3.9	13
71	Automated Determination of Sulfadiazine in Water, Fish Plasma and Muscle by HPLC with On-Line Column-Switching. <i>Clean - Soil, Air, Water</i> , 2016, 44, 967-974.	0.7	12
72	Antineoplastic compounds in the environment – substances of special concern. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14791-14804.	2.7	69

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73	Environmental fate and effect assessment of thioridazine and its transformation products formed by photodegradation. <i>Environmental Pollution</i> , 2016, 213, 658-670.	3.7	22
74	Initial hazard screening for genotoxicity of photo-transformation products of ciprofloxacin by applying a combination of experimental and in-silico testing. <i>Environmental Pollution</i> , 2016, 211, 148-156.	3.7	19
75	Degradation of cyclophosphamide and 5-fluorouracil by UV and simulated sunlight treatments: Assessment of the enhancement of the biodegradability and toxicity. <i>Environmental Pollution</i> , 2016, 208, 467-476.	3.7	54
76	Biodegradation of the Antituberculosis Drug Isoniazid in the Aquatic Environment. <i>Clean - Soil, Air, Water</i> , 2015, 43, 166-172.	0.7	14
77	Degradation of 5-FU by means of advanced (photo)oxidation processes: UV/H ₂ O ₂ , UV/Fe ²⁺ /H ₂ O ₂ and UV/TiO ₂ – Comparison of transformation products, ready biodegradability and toxicity. <i>Science of the Total Environment</i> , 2015, 527-528, 232-245.	3.9	70
78	Evaluation of the toxic effects of four anti-cancer drugs in plant bioassays and its potency for screening in the context of waste water reuse for irrigation. <i>Chemosphere</i> , 2015, 135, 403-410.	4.2	42
79	Long-Term Strategies for Tackling Micropollutants. <i>Handbook of Environmental Chemistry</i> , 2015, , 291-299.	0.2	3
80	Biodegradation screening of chemicals in an artificial matrix simulating the water-sediment interface. <i>Chemosphere</i> , 2015, 119, 1240-1246.	4.2	20
81	Transformation products of antibiotic and cytostatic drugs in the aquatic cycle that result from effluent treatment and abiotic/biotic reactions in the environment: An increasing challenge calling for higher emphasis on measures at the beginning of the pipe. <i>Water Research</i> , 2015, 72, 75-126.	5.3	66
82	Antibiotics and sweeteners in the aquatic environment: biodegradability, formation of phototransformation products, and in vitro toxicity. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18017-18030.	2.7	22
83	Photolytic transformation products and biological stability of the hydrological tracer Uranine. <i>Science of the Total Environment</i> , 2015, 533, 446-453.	3.9	19
84	A comparative assessment of the transformation products of S-metolachlor and its commercial product Mercantor Gold® and their fate in the aquatic environment by employing a combination of experimental and in silico methods. <i>Science of the Total Environment</i> , 2015, 506-507, 369-379.	3.9	35
85	A sustainable chemistry solution to the presence of pharmaceuticals and chemicals in the aquatic environment – the example of re-designing β-blocker Atenolol. <i>RSC Advances</i> , 2015, 5, 27-32.	1.7	29
86	The significance of different health institutions and their respective contributions of active pharmaceutical ingredients to wastewater. <i>Environment International</i> , 2015, 85, 61-76.	4.8	57
87	Identification of phototransformation products of the antiepileptic drug gabapentin: Biodegradability and initial assessment of toxicity. <i>Water Research</i> , 2015, 85, 11-21.	5.3	55
88	Removal of the anti-cancer drug methotrexate from water by advanced oxidation processes: Aerobic biodegradation and toxicity studies after treatment. <i>Chemosphere</i> , 2015, 141, 290-296.	4.2	61
89	Re-Designing of Existing Pharmaceuticals for Environmental Biodegradability: A Tiered Approach with β-Blocker Propranolol as an Example. <i>Environmental Science & Technology</i> , 2015, 49, 11756-11763.	4.6	56
90	Assessing the environmental fate of S-metolachlor, its commercial product Mercantor Gold® and their photoproducts using a water-sediment test and in silico methods. <i>Chemosphere</i> , 2015, 138, 847-855.	4.2	19

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91	Putting benign by design into practice-novel concepts for green and sustainable pharmacy: Designing green drug derivatives by non-targeted synthesis and screening for biodegradability. Sustainable Chemistry and Pharmacy, 2015, 2, 31-36.	1.6	37
92	Environmental Chemistry of Organosiloxanes. Chemical Reviews, 2015, 115, 466-524.	23.0	231
93	Photodegradation of the antineoplastic cyclophosphamide: A comparative study of the efficiencies of UV/H ₂ O ₂ , UV/Fe ²⁺ /H ₂ O ₂ and UV/TiO ₂ processes. Chemosphere, 2015, 120, 538-546.	4.2	72
94	Occurrence of the antidiabetic drug Metformin and its ultimate transformation product Guanylurea in several compartments of the aquatic cycle. Environment International, 2014, 70, 203-212.	4.8	133
95	Environmental risk assessment of anti-cancer drugs and their transformation products: A focus on their genotoxicity characterization-state of knowledge and short comings. Mutation Research - Reviews in Mutation Research, 2014, 760, 18-35.	2.4	100
96	Identification of phototransformation products of thalidomide and mixture toxicity assessment: An experimental and quantitative structural activity relationships (QSAR) approach. Water Research, 2014, 49, 11-22.	5.3	37
97	Characterization of photo-transformation products of the antibiotic drug Ciprofloxacin with liquid chromatography-tandem mass spectrometry in combination with accurate mass determination using an LTQ-Orbitrap. Chemosphere, 2014, 115, 40-46.	4.2	84
98	Physicochemical properties and biodegradability of organically functionalized colloidal silica particles in aqueous environment. Chemosphere, 2014, 99, 96-101.	4.2	7
99	Qualitative environmental risk assessment of photolytic transformation products of iodinated X-ray contrast agent diatrizoic acid. Science of the Total Environment, 2014, 482-483, 378-388.	3.9	37
100	Designing green derivatives of β -blocker Metoprolol: A tiered approach for green and sustainable pharmacy and chemistry. Chemosphere, 2014, 111, 493-499.	4.2	36
101	Recalcitrant pharmaceuticals in the aquatic environment: a comparative screening study of their occurrence, formation of phototransformation products and their in vitro toxicity. Environmental Chemistry, 2014, 11, 431.	0.7	40
102	Chemische Stoffe in der Umwelt. , 2014, , 175-211.		1
103	Simultaneous Determination of 11 Sulfonamides by HPLC-UV and Application for Fast Screening of Their Aerobic Elimination and Biodegradation in a Simple Test. Clean - Soil, Air, Water, 2013, 41, 907-916.	0.7	25
104	Photolysis of sulfamethoxypyridazine in various aqueous media: Aerobic biodegradation and identification of photoproducts by LC-UV-MS/MS. Journal of Hazardous Materials, 2013, 244-245, 654-661.	6.5	36
105	Aquatic photochemistry, abiotic and aerobic biodegradability of thalidomide: Identification of stable transformation products by LC-UV-MSn. Science of the Total Environment, 2013, 463-464, 140-150.	3.9	12
106	Removal of dexamethasone from aqueous solution and hospital wastewater by electrocoagulation. Science of the Total Environment, 2013, 443, 351-357.	3.9	69
107	Oxidation-coagulation of β -blockers by K ₂ FeVIO ₄ in hospital wastewater: Assessment of degradation products and biodegradability. Science of the Total Environment, 2013, 452-453, 137-147.	3.9	58
108	Biomass derived ionic liquids: synthesis from natural organic acids, characterization, toxicity, biodegradation and use as solvents for catalytic hydrogenation processes. Tetrahedron, 2013, 69, 6150-6161.	1.0	78

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109	Tetrabutylammonium prolinatate-based ionic liquids: a combined asymmetric catalysis, antimicrobial toxicity and biodegradation assessment. <i>RSC Advances</i> , 2013, 3, 26241.	1.7	47
110	Comparison of an Electrochemical and Luminescence-Based Oxygen Measuring System for Use in the Biodegradability Testing According to Closed Bottle Test (OECD 301D). <i>Clean - Soil, Air, Water</i> , 2013, 41, 251-257.	0.7	20
111	Assessment of pharmaceutical waste management at selected hospitals and homes in Ghana. <i>Waste Management and Research</i> , 2012, 30, 625-630.	2.2	65
112	Ready biodegradability of trifluoromethylated phenothiazine drugs, structural elucidation of their aquatic transformation products, and identification of environmental risks studied by LC-MS/MS and QSAR. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3162-3177.	2.7	16
113	Approach for detecting mutagenicity of biodegraded and ozonated pharmaceuticals, metabolites and transformation products from a drinking water perspective. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3597-3609.	2.7	23
114	Degradation of the tricyclic antipsychotic drug chlorpromazine under environmental conditions, identification of its main aquatic biotic and abiotic transformation products by LC-MS/MS and their effects on environmental bacteria. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 24-38.	1.2	48
115	Photodegradation, Photocatalytic, and Aerobic Biodegradation of Sulfisomidine and Identification of Transformation Products by LC-UV/MS/MS. <i>Clean - Soil, Air, Water</i> , 2012, 40, 1244-1249.	0.7	12
116	Modeling and predicting aquatic aerobic biodegradation – a review from a user's perspective. <i>Green Chemistry</i> , 2012, 14, 875.	4.6	84
117	Genotoxic effect of ciprofloxacin during photolytic decomposition monitored by the in vitro micronucleus test (MNvit) in HepG2 cells. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1719-1727.	2.7	32
118	Captopril and its dimer captopril disulfide: Photodegradation, aerobic biodegradation and identification of transformation products by HPLC-UV and LC-ion trap-MS/MS. <i>Chemosphere</i> , 2012, 88, 1170-1177.	4.2	27
119	Biodegradability and ecotoxicity of tramadol, ranitidine, and their photoderivatives in the aquatic environment. <i>Environmental Science and Pollution Research</i> , 2012, 19, 72-85.	2.7	62
120	Biodegradability of organic nanoparticles in the aqueous environment. <i>Chemosphere</i> , 2011, 82, 1387-1392.	4.2	146
121	Incomplete aerobic degradation of the antidiabetic drug Metformin and identification of the bacterial dead-end transformation product Guanylurea. <i>Chemosphere</i> , 2011, 85, 765-773.	4.2	138
122	Emerging Contaminants versus Micro-pollutants. <i>Clean - Soil, Air, Water</i> , 2011, 39, 889-890.	0.7	25
123	Pharmaceuticals in the Environment. <i>Annual Review of Environment and Resources</i> , 2010, 35, 57-75.	5.6	405
124	Estimation of the cancer risk to humans resulting from the presence of cyclophosphamide and ifosfamide in surface water. <i>Environmental Science and Pollution Research</i> , 2010, 17, 486-496.	2.7	54
125	The presence of pharmaceuticals in the environment due to human use – present knowledge and future challenges. <i>Journal of Environmental Management</i> , 2009, 90, 2354-2366.	3.8	979
126	Ciprofloxacin in hospital effluent: Degradation by ozone and photoprocesses. <i>Journal of Hazardous Materials</i> , 2009, 169, 1154-1158.	6.5	102

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127	Antibiotics in the aquatic environment – A review – Part I. <i>Chemosphere</i> , 2009, 75, 417-434.	4.2	3,093
128	Antibiotics in the aquatic environment – A review – Part II. <i>Chemosphere</i> , 2009, 75, 435-441.	4.2	1,071
129	Deactivation and transformation products in biodegradability testing of β -lactams amoxicillin and piperacillin. <i>Chemosphere</i> , 2009, 75, 347-354.	4.2	101
130	Photo-degradation of the antimicrobial ciprofloxacin at high pH: Identification and biodegradability assessment of the primary by-products. <i>Chemosphere</i> , 2009, 76, 487-493.	4.2	167
131	Sustainability, substance flow management and time. Part I. <i>Journal of Environmental Management</i> , 2008, 88, 1333-1342.	3.8	15
132	Chemicals in the Environment – the Need for a Clear Nomenclature: Parent Compounds, Metabolites, Transformation Products and Their Elimination. <i>Clean - Soil, Air, Water</i> , 2008, 36, 349-350.	0.7	18
133	Concentration of Ciprofloxacin in Brazilian Hospital Effluent and Preliminary Risk Assessment: A Case Study. <i>Clean - Soil, Air, Water</i> , 2008, 36, 264-269.	0.7	86
134	Do cytotoxic chemotherapy drugs discharged into rivers pose a risk to the environment and human health? An overview and UK case study. <i>Journal of Hydrology</i> , 2008, 348, 167-175.	2.3	219
135	Aerobic biodegradability of the calcium channel antagonist verapamil and identification of a microbial dead-end transformation product studied by LC-MS/MS. <i>Chemosphere</i> , 2008, 72, 442-450.	4.2	38
136	Ultimate biodegradation and elimination of antibiotics in inherent tests. <i>Chemosphere</i> , 2007, 67, 604-613.	4.2	108
137	Sustainable from the very beginning: rational design of molecules by life cycle engineering as an important approach for green pharmacy and green chemistry. <i>Green Chemistry</i> , 2007, 9, 899.	4.6	183
138	Fate of Benzalkonium Chloride in a Sewage Sludge Low Temperature Conversion Process Investigated by LC-ESI-MS/MS. <i>Clean - Soil, Air, Water</i> , 2007, 35, 81-87.	0.7	17
139	Ecopharmacology: A New Topic of Importance in Pharmacovigilance. <i>Drug Safety</i> , 2006, 29, 371-373.	1.4	28
140	Biodegradability of the X-ray contrast compound diatrizoic acid, identification of aerobic degradation products and effects against sewage sludge micro-organisms. <i>Chemosphere</i> , 2006, 62, 294-302.	4.2	100
141	Local use of antibiotics and their input and fate in a small sewage treatment plant – significance of balancing and analysis on a local scale vs. nationwide scale. <i>Clean - Soil, Air, Water</i> , 2006, 34, 587-592.	0.8	29
142	Assessment of degradation of 18 antibiotics in the Closed Bottle Test. <i>Chemosphere</i> , 2004, 57, 505-512.	4.2	338
143	Standardized tests fail to assess the effects of antibiotics on environmental bacteria. <i>Water Research</i> , 2004, 38, 2111-2116.	5.3	113
144	Use of Chemotaxonomy To Study the Influence of Benzalkonium Chloride on Bacterial Populations in Biodegradation Testing. <i>Clean - Soil, Air, Water</i> , 2002, 30, 171-178.	0.8	29

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145	Drugs in the environment: emission of drugs, diagnostic aids and disinfectants into wastewater by hospitals in relation to other sources – a review. <i>Chemosphere</i> , 2001, 45, 957-969.	4.2	918
146	Hospital Effluents as a Source of Gadolinium in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2000, 34, 573-577.	4.6	209
147	Biodegradability of the anti-tumour agent ifosfamide and its occurrence in hospital effluents and communal sewage. <i>Water Research</i> , 1997, 31, 2705-2710.	5.3	189
148	Hospital effluents as a source for platinum in the environment. <i>Science of the Total Environment</i> , 1997, 193, 179-184.	3.9	84
149	Analysis of benzalkonium chloride in the effluent from European hospitals by solid-phase extraction and high-performance liquid chromatography with post-column ion-pairing and fluorescence detection. <i>Journal of Chromatography A</i> , 1997, 774, 281-286.	1.8	126
150	The Ecological Impact of Time. <i>Time and Society</i> , 1996, 5, 209-235.	0.8	58
151	Trace analysis of the antineoplastics ifosfamide and cyclophosphamide in sewage water by twostep solid-phase extraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1996, 726, 179-184.	1.8	145