

Marc J -F Suter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98 papers	4,643 citations	36 h-index	66 g-index
103 ext. papers	5,049 ext. citations	5.5 avg, IF	5.23 L-index

#	Paper	IF	Citations
98	Biotransformation Capacity of Zebrafish (<i>Danio rerio</i>) Early Life Stages: Functionality of the Mercapturic Acid Pathway. <i>Toxicological Sciences</i> , 2020 , 176, 355-365	4.4	4
97	LC-APCI(-)-MS Determination of 1-Chloro-2,4-dinitrobenzene, a Model Substrate for Glutathione S-Transferases. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 467-472	3.5	5
96	Characterization of the Mercapturic Acid Pathway, an Important Phase II Biotransformation Route, in a Zebrafish Embryo Cell Line. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2863-2871	4	0
95	Investigating the accumulation and translocation of titanium dioxide nanoparticles with different surface modifications in static and dynamic human placental transfer models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 142, 488-497	5.7	23
94	Hexachlorobenzene exerts genotoxic effects in a humpback whale cell line under stable exposure conditions.. <i>RSC Advances</i> , 2019 , 9, 39447-39457	3.7	8
93	An integrative approach combining passive sampling, bioassays, and effect-directed analysis to assess the impact of wastewater effluent. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2079-2088	3.8	18
92	Glutathione S-Transferase Protein Expression in Different Life Stages of Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2018 , 162, 702-712	4.4	22
91	Conference Report. <i>Chimia</i> , 2018 , 72, 434-435	1.3	
90	Proteome evolution under non-substitutable resource limitation. <i>Nature Communications</i> , 2018 , 9, 4650	17.4	3
89	Interaction of silver nanoparticles with algae and fish cells: a side by side comparison. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 16	9.4	74
88	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017 , 601-602, 1849-1868	10.2	106
87	Clobetasol propionate causes immunosuppression in zebrafish (<i>Danio rerio</i>) at environmentally relevant concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 16-24	7	14
86	Assessment of a novel device for onsite integrative large-volume solid phase extraction of water samples to enable a comprehensive chemical and effect-based analysis. <i>Science of the Total Environment</i> , 2017 , 581-582, 350-358	10.2	42
85	Toxicity of emerging antifouling biocides to non-target freshwater organisms from three trophic levels. <i>Aquatic Toxicology</i> , 2017 , 191, 164-174	5.1	23
84	Mass Spectrometry in Environmental Chemistry and Toxicology. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017 , 159-176	0.1	
83	Multimode Separation for Metabolomics and Complex Environmental Samples. <i>Chimia</i> , 2017 , 71, 242	1.3	
82	Silver nanoparticle-protein interactions in intact rainbow trout gill cells. <i>Environmental Science: Nano</i> , 2016 , 3, 1174-1185	7.1	35

81	Molecular phenotyping of maternally mediated parallel adaptive divergence within <i>Rana arvalis</i> and <i>Rana temporaria</i> . <i>Molecular Ecology</i> , 2016 , 25, 4564-79	5.7	6
80	Multimode gradient high performance liquid chromatography mass spectrometry method applicable to metabolomics and environmental monitoring. <i>Journal of Chromatography A</i> , 2016 , 1456, 145-51	4.5	10
79	LC-MS/MS determination of tralopyril in water samples. <i>Chemosphere</i> , 2016 , 145, 445-9	8.4	17
78	Tralopyril bioconcentration and effects on the gill proteome of the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2016 , 177, 198-210	5.1	17
77	Stressor-induced proteome alterations in zebrafish: a meta-analysis of response patterns. <i>Aquatic Toxicology</i> , 2015 , 159, 1-12	5.1	17
76	Critical influence of chloride ions on silver ion-mediated acute toxicity of silver nanoparticles to zebrafish embryos. <i>Nanotoxicology</i> , 2015 , 9, 81-91	5.3	42
75	Evolution of egg coats: linking molecular biology and ecology. <i>Molecular Ecology</i> , 2015 , 24, 4052-73	5.7	33
74	Mechanistic basis of adaptive maternal effects: egg jelly water balance mediates embryonic adaptation to acidity in <i>Rana arvalis</i> . <i>Oecologia</i> , 2015 , 179, 617-28	2.9	10
73	Investigation of small-scale processes in the rhizosphere of <i>Lupinus albus</i> using micro push-pull tests. <i>Plant and Soil</i> , 2014 , 378, 309-324	4.2	4
72	Phenotypic plasticity influences the eco-evolutionary dynamics of a predator-prey system. <i>Ecology</i> , 2014 , 95, 3080-3092	4.6	27
71	Transient exposure to environmental estrogen affects embryonic development of brown trout (<i>Salmo trutta fario</i>). <i>Aquatic Toxicology</i> , 2014 , 157, 141-9	5.1	10
70	Endocrine disrupting compounds affecting corticosteroid signaling pathways in Czech and Swiss waters: potential impact on fish. <i>Environmental Science & Technology</i> , 2014 , 48, 12902-11	10.3	61
69	Linking toxicity and adaptive responses across the transcriptome, proteome, and phenotype of <i>Chlamydomonas reinhardtii</i> exposed to silver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3490-5	11.5	121
68	Acute toxicity of tralopyril, capsaicin and triphenylborane pyridine to marine invertebrates. <i>Ecotoxicology</i> , 2014 , 23, 1336-44	2.9	22
67	LC-MS/MS determination of potential endocrine disruptors of cortico signalling in rivers and wastewaters. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7653-65	4.4	42
66	Mass spectrometry in environmental toxicology. <i>Chimia</i> , 2014 , 68, 140-5	1.3	5
65	Mass Spectrometric Target Analysis and Proteomics in Environmental Toxicology. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2014 , 149-167	0.1	
64	Analysis of protein expression in zebrafish during gonad differentiation by targeted proteomics. <i>General and Comparative Endocrinology</i> , 2013 , 193, 210-20	3	27

63	Degradation of the acyl side chain of the steroid compound cholate in <i>Pseudomonas</i> sp. strain Chol1 proceeds via an aldehyde intermediate. <i>Journal of Bacteriology</i> , 2013 , 195, 585-95	3.5	32
62	Linking proteome responses with physiological and biochemical effects in herbicide-exposed <i>Chlamydomonas reinhardtii</i> . <i>Journal of Proteomics</i> , 2012 , 75, 5370-85	3.9	28
61	Multiple-endpoint assay provides a detailed mechanistic view of responses to herbicide exposure in <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2012 , 110-111, 214-24	5.1	56
60	Characterization of lead-phytochelatin complexes by nano-electrospray ionization mass spectrometry. <i>Frontiers in Microbiology</i> , 2012 , 3, 41	5.7	9
59	Proteomics for the Analysis of Environmental Stress Responses in Prokaryotes 2011 , 603-625		1
58	Global proteomics analysis of testis and ovary in adult zebrafish (<i>Danio rerio</i>). <i>Fish Physiology and Biochemistry</i> , 2011 , 37, 619-47	2.7	52
57	The endocrine disrupting potential of sediments from the Upper Danube River (Germany) as revealed by in vitro bioassays and chemical analysis. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 446-60	5.1	54
56	Endocrine disrupting chemicals-Linking internal exposure to vitellogenin levels and ovotestis in <i>Abramis brama</i> from Dutch surface waters. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 209-23	5.8	11
55	Binding of silver nanoparticles to bacterial proteins depends on surface modifications and inhibits enzymatic activity. <i>Environmental Science & Technology</i> , 2010 , 44, 2163-8	10.3	201
54	Chemical and biological characterization of estrogenicity in effluents from WWTPs in Ria de Aveiro (NW Portugal). <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 58, 1-8	3.2	21
53	Eine Weight-of-Evidence-Studie zur Bewertung der Sedimentbelastung und des Fischrückgangs in der Oberen Donau. <i>Environmental Sciences Europe</i> , 2009 , 21, 260-263		5
52	On the acquisition of +1 charge states during high-throughput proteomics: Implications on reproducibility, number and confidence of protein identifications. <i>Journal of Proteomics</i> , 2009 , 72, 761-70	7.9	9
51	Combining passive samplers and biomonitors to evaluate endocrine disrupting compounds in a wastewater treatment plant by LC/MS/MS and bioassay analyses. <i>Environmental Pollution</i> , 2009 , 157, 2716-21	9.3	55
50	Internal exposure of whitefish (<i>Coregonus lavaretus</i>) to estrogens. <i>Aquatic Toxicology</i> , 2009 , 93, 158-65	5.1	13
49	Sensitivity of brown trout reproduction to long-term estrogenic exposure. <i>Aquatic Toxicology</i> , 2008 , 90, 65-72	5.1	13
48	Water temperature and concomitant waterborne ethinylestradiol exposure affects the vitellogenin expression in juvenile brown trout (<i>Salmo trutta</i>). <i>Aquatic Toxicology</i> , 2008 , 90, 188-96	5.1	49
47	Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects. <i>Chimia</i> , 2008 , 62, 376-382	1.3	20
46	Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs. <i>Chimia</i> , 2008 , 62, 383-388	1.3	15

45	Estrogens in Swiss Rivers and Effluents Sampling Matters. <i>Chimia</i> , 2008 , 62, 389-394	1.3	12
44	Analysis of environmental stress response on the proteome level. <i>Mass Spectrometry Reviews</i> , 2008 , 27, 556-74	11	40
43	Analytical chemistry and ecotoxicology--tasks, needs and trends. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007 , 70, 724-6	3.2	11
42	Biochemical and genetic investigation of initial reactions in aerobic degradation of the bile acid cholate in <i>Pseudomonas</i> sp. strain Chol1. <i>Journal of Bacteriology</i> , 2007 , 189, 7165-73	3.5	42
41	Proteomics for the analysis of environmental stress responses in organisms. <i>Environmental Science & Technology</i> , 2007 , 41, 6891-900	10.3	70
40	Degradation of and sensitivity to cholate in <i>Pseudomonas</i> sp. strain Chol1. <i>Archives of Microbiology</i> , 2006 , 185, 192-201	3	32
39	Monitoring the removal efficiency of pharmaceuticals and hormones in different treatment processes of source-separated urine with bioassays. <i>Environmental Science & Technology</i> , 2006 , 40, 5095-101	10.3	78
38	Effect of cadmium on the interaction of 17beta-estradiol with the rainbow trout estrogen receptor. <i>Environmental Science & Technology</i> , 2006 , 40, 1358-63	10.3	17
37	Estrogenicity patterns in the Swiss midland river Lüzelmurg in relation to treated domestic sewage effluent discharges and hydrology. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 2413-22	3.8	38
36	Characterization of environmental estrogens in river water using a three pronged approach: active and passive water sampling and the analysis of accumulated estrogens in the bile of caged fish. <i>Environmental Science & Technology</i> , 2005 , 39, 8191-8	10.3	105
35	Identification of the estrogen receptor Cd-binding sites by chemical modification. <i>Analyst, The</i> , 2005 , 130, 1087-97	5	24
34	Where have all the fish gone? The reasons why fish catches in Swiss rivers are declining. <i>Environmental Science & Technology</i> , 2005 , 39, 441A-447A	10.3	81
33	Comparing steroid estrogen, and nonylphenol content across a range of European sewage plants with different treatment and management practices. <i>Water Research</i> , 2005 , 39, 47-58	12.5	215
32	Determination of [S,S]-ethylenediamine disuccinic acid (EDDS) by high performance liquid chromatography after derivatization with FMO. <i>Journal of Chromatography A</i> , 2005 , 1077, 37-43	4.5	26
31	Characterization of the estrogenicity of Swiss midland rivers using a recombinant yeast bioassay and plasma vitellogenin concentrations in feral male brown trout. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2226-33	3.8	70
30	Effect of corn root exudates on the degradation of atrazine and its chlorinated metabolites in soils. <i>Journal of Environmental Quality</i> , 2005 , 34, 2187-96	3.4	16
29	Comparative analysis of estrogenic activity in sewage treatment plant effluents involving three in vitro assays and chemical analysis of steroids. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 857-64	3.8	134
28	Combined biological and chemical assessment of estrogenic activities in wastewater treatment plant effluents. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 688-96	4.4	190

27	On the conformation-dependent neutralization theory and charging of individual proteins and their non-covalent complexes in the gas phase. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 93-7	2.2	48
26	Trace determination of macrolide and sulfonamide antimicrobials, a human sulfonamide metabolite, and trimethoprim in wastewater using liquid chromatography coupled to electrospray tandem mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 4756-64	7.8	258
25	Desulfonation and degradation of the disulfodiphenylethercarboxylates from linear alkylidiphenyletherdisulfonate surfactants. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 938-44	4.8	24
24	Occurrence and Fate of Antibiotics as Trace Contaminants in Wastewaters, Sewage Sludges, and Surface Waters. <i>Chimia</i> , 2003 , 57, 485-491	1.3	228
23	Sorption and mass fluxes of sulfonated naphthalene formaldehyde condensates in aquifers. <i>Journal of Contaminant Hydrology</i> , 2003 , 67, 1-12	3.9	6
22	Occurrence and fate of macrolide antibiotics in wastewater treatment plants and in the Glatt Valley watershed, Switzerland. <i>Environmental Science & Technology</i> , 2003 , 37, 5479-86	10.3	361
21	TfdD(II), one of the two chloromuconate cycloisomerases of <i>Ralstonia eutropha</i> JMP134 (pJP4), cannot efficiently convert 2-chloro- cis, cis-muconate to trans-dienelactone to allow growth on 3-chlorobenzoate. <i>Archives of Microbiology</i> , 2002 , 178, 13-25	3	9
20	Quantification of veterinary antibiotics (sulfonamides and trimethoprim) in animal manure by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2002 , 952, 111-20	4.5	298
19	Leaching and primary biodegradation of sulfonated naphthalenes and their formaldehyde condensates from concrete superplasticizers in groundwater affected by tunnel construction. <i>Environmental Science & Technology</i> , 2002 , 36, 3284-9	10.3	24
18	Rapid determination of sulfonated naphthalenes and their formaldehyde condensates in aqueous environmental samples using synchronous excitation fluorimetry. <i>Analyst, The</i> , 2001 , 126, 2072-7	5	15
17	MTBE oxidation by conventional ozonation and the combination ozone/hydrogen peroxide: efficiency of the processes and bromate formation. <i>Environmental Science & Technology</i> , 2001 , 35, 4252-9	10.3	131
16	Behavior of aliphatic alcohol polyethoxylates and their metabolites under standardized aerobic biodegradation conditions. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 549-554	3.8	36
15	Hydroxyhydroquinone reductase, the initial enzyme involved in the degradation of hydroxyhydroquinone (1,2,4-trihydroxybenzene) by <i>Desulfovibrio inopinatus</i> . <i>Archives of Microbiology</i> , 2000 , 173, 206-12	3	18
14	Benzene- and naphthalenesulfonates in leachates and plumes of landfills. <i>Water Research</i> , 2000 , 34, 2069-2079	2.2	51
13	p-Toluenesulfonate in Landfill Leachates: Leachability from Foundry Sands and Aerobic Biodegradation. <i>Environmental Science & Technology</i> , 2000 , 34, 2156-2161	10.3	11
12	Fate of the herbicides mecoprop, dichlorprop, and 2,4-D in aerobic and anaerobic sewage sludge as determined by laboratory batch studies and enantiomer-specific analysis. <i>Biodegradation</i> , 1999 , 10, 271-8	4.1	51
11	Selective determination of aromatic sulfonates in landfill leachates and groundwater using microbore liquid chromatography coupled with mass spectrometry. <i>Analytical Chemistry</i> , 1999 , 71, 897-904	7.8	49
10	Changes in the Enantiomeric Ratio of (R)- to (S)-Mecoprop Indicate in Situ Biodegradation of This Chiral Herbicide in a Polluted Aquifer. <i>Environmental Science & Technology</i> , 1998 , 32, 2070-2076	10.3	81

9	Involvement of two alpha-ketoglutarate-dependent dioxygenases in enantioselective degradation of (R)- and (S)-mecoprop by <i>Sphingomonas herbicidovorans</i> MH. <i>Journal of Bacteriology</i> , 1997 , 179, 6674-6679 ^{3.5}	76
8	The Determination of Polar Compounds in the Aquatic Environment 1997 , 559-573	
7	Determination of the quaternary ammonium surfactant ditallowdimethylammonium in digested sludges and marine sediments by supercritical fluid extraction and liquid chromatography with postcolumn ion-pair formation. <i>Analytical Chemistry</i> , 1996 , 68, 921-9	7.8 70
6	Differentiation of Linear and Branched Alkylbenzenesulfonates by Gas Chromatography/Tandem Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 357-362	2.2 11
5	Continuous-flow fast atom bombardment: recent advances and applications. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992 , 118-119, 449-476	28
4	An integral probe for capillary zone electrophoresis/continuous-flow fast atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 198-206	3.5 23
3	Continuous-flow fast atom bombardment: recent advances and applications 1992 , 449-476	
2	Recent advances in liquid chromatography-mass spectrometry and capillary zone electrophoresis-mass spectrometry for protein analysis. <i>Journal of Chromatography A</i> , 1991 , 553, 101-164 ^{4.5}	34
1	Formation of a new C-C bond in a sulfonamide upon SO ₂ elimination induced by electron impact ionization. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988 , 86, 201-208	