

Marc J -F Suter

List of Publications by Year in descending order

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97
papers

5,473
citations

87888

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82547

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103
all docs

103
docs citations

103
times ranked

6412
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	1
2	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.	3.1	5
3	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.	2.8	7
4	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.	4.3	31
5	Hexachlorobenzene exerts genotoxic effects in a humpback whale cell line under stable exposure conditions. <i>RSC Advances</i> , 2019, 9, 39447-39457.	3.6	11
6	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.	4.3	33
7	Glutathione S-Transferase Protein Expression in Different Life Stages of Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2018, 162, 702-712.	3.1	50
8	Proteome evolution under non-substitutable resource limitation. <i>Nature Communications</i> , 2018, 9, 4650.	12.8	8
9	Conference Report. <i>Chimia</i> , 2018, 72, 434-435.	0.6	0
10	Interaction of silver nanoparticles with algae and fish cells: a side by side comparison. <i>Journal of Nanobiotechnology</i> , 2017, 15, 16.	9.1	92
11	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.	8.0	151
12	Clobetasol propionate causes immunosuppression in zebrafish (<i>Danio rerio</i>) at environmentally relevant concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 16-24.	6.0	21
13	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.	8.0	63
14	Toxicity of emerging antifouling biocides to non-target freshwater organisms from three trophic levels. <i>Aquatic Toxicology</i> , 2017, 191, 164-174.	4.0	30
15	Mass Spectrometry in Environmental Chemistry and Toxicology. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 159-176.	0.5	0
16	Multimode Separation for Metabolomics and Complex Environmental Samples. <i>Chimia</i> , 2017, 71, 242-242.	0.6	0
17	Silver nanoparticle-protein interactions in intact rainbow trout gill cells. <i>Environmental Science: Nano</i> , 2016, 3, 1174-1185.	4.3	39
18	Molecular phenotyping of maternally mediated parallel adaptive divergence within <i>Rana arvalis</i> and <i>Rana temporaria</i> . <i>Molecular Ecology</i> , 2016, 25, 4564-4579.	3.9	8

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19	Multimode gradient high performance liquid chromatography mass spectrometry method applicable to metabolomics and environmental monitoring. <i>Journal of Chromatography A</i> , 2016, 1456, 145-151.	3.7	16
20	LC-MS/MS determination of tralopyril in water samples. <i>Chemosphere</i> , 2016, 145, 445-449.	8.2	21
21	Tralopyril bioconcentration and effects on the gill proteome of the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2016, 177, 198-210.	4.0	25
22	Evolution of egg coats: linking molecular biology and ecology. <i>Molecular Ecology</i> , 2015, 24, 4052-4073.	3.9	43
23	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, 617-628.	2.0	13
24	Stressor-induced proteome alterations in zebrafish: A meta-analysis of response patterns. <i>Aquatic Toxicology</i> , 2015, 159, 1-12.	4.0	25
25	Critical influence of chloride ions on silver ion-mediated acute toxicity of silver nanoparticles to zebrafish embryos. <i>Nanotoxicology</i> , 2015, 9, 81-91.	3.0	48
26	LC-MS/MS determination of potential endocrine disruptors of cortico signalling in rivers and wastewaters. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7653-7665.	3.7	58
27	Mass Spectrometry in Environmental Toxicology. <i>Chimia</i> , 2014, 68, 140.	0.6	6
28	Mass Spectrometric Target Analysis and Proteomics in Environmental Toxicology. NATO Science for Peace and Security Series A: Chemistry and Biology, 2014, , 149-167.	0.5	0
29	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.	3.7	4
30	Phenotypic plasticity influences the eco-evolutionary dynamics of a predator-prey system. <i>Ecology</i> , 2014, 95, 3080-3092.	3.2	39
31	Transient exposure to environmental estrogen affects embryonic development of brown trout (<i>Salmo trutta</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1078-1084.	4.0	19
32	Endocrine Disrupting Compounds Affecting Corticosteroid Signaling Pathways in Czech and Swiss Waters: Potential Impact on Fish. <i>Environmental Science & Technology</i> , 2014, 48, 12902-12911.	10.0	84
33	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, 3490-3495.	7.1	148
34	Acute toxicity of tralopyril, capsaicin and triphenylborane pyridine to marine invertebrates. <i>Ecotoxicology</i> , 2014, 23, 1336-1344.	2.4	32
35	Analysis of protein expression in zebrafish during gonad differentiation by targeted proteomics. <i>General and Comparative Endocrinology</i> , 2013, 193, 210-220.	1.8	32
36	Degradation of the Acyl Side Chain of the Steroid Compound Chololate in <i>Pseudomonas</i> sp. Strain Chol1 Proceeds via an Aldehyde Intermediate. <i>Journal of Bacteriology</i> , 2013, 195, 585-595.	2.2	37

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37	Linking proteome responses with physiological and biochemical effects in herbicide-exposed <i>Chlamydomonas reinhardtii</i> . <i>Journal of Proteomics</i> , 2012, 75, 5370-5385.	2.4	35
38	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, 214-224.	4.0	68
39	Characterization of Lead-Phytochelatin Complexes by Nano-Electrospray Ionization Mass Spectrometry. <i>Frontiers in Microbiology</i> , 2012, 3, 41.	3.5	14
40	Global proteomics analysis of testis and ovary in adult zebrafish (<i>Danio rerio</i>). <i>Fish Physiology and Biochemistry</i> , 2011, 37, 619-647.	2.3	62
41	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, 446-460.	5.3	59
42	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.	4.1	21
43	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, 209-223.	4.0	11
44	Binding of Silver Nanoparticles to Bacterial Proteins Depends on Surface Modifications and Inhibits Enzymatic Activity. <i>Environmental Science & Technology</i> , 2010, 44, 2163-2168.	10.0	239
45	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, 761-770.	2.4	9
46	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, 2716-2721.	7.5	60
47	Internal exposure of whitefish (<i>Coregonus lavaretus</i>) to estrogens. <i>Aquatic Toxicology</i> , 2009, 93, 158-165.	4.0	16
48	Effect-oriented environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1957-1958.	3.7	6
49	Analysis of environmental stress response on the proteome level. <i>Mass Spectrometry Reviews</i> , 2008, 27, 556-574.	5.4	45
50	Sensitivity of brown trout reproduction to long-term estrogenic exposure. <i>Aquatic Toxicology</i> , 2008, 90, 65-72.	4.0	15
51	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, 188-196.	4.0	60
52	Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects. <i>Chimia</i> , 2008, 62, 376.	0.6	23
53	Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs. <i>Chimia</i> , 2008, 62, 383-388.	0.6	22
54	Estrogens in Swiss Rivers and Effluents — Sampling Matters. <i>Chimia</i> , 2008, 62, 389-394.	0.6	15

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55	Biochemical and Genetic Investigation of Initial Reactions in Aerobic Degradation of the Bile Acid Chololate in <i>Pseudomonas</i> sp. Strain Chol1. <i>Journal of Bacteriology</i> , 2007, 189, 7165-7173.	2.2	48
56	Proteomics for the Analysis of Environmental Stress Responses in Organisms. <i>Environmental Science & Technology</i> , 2007, 41, 6891-6900.	10.0	79
57	Analytical Chemistry and Ecotoxicology Tasks, Needs and Trends. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 724-726.	2.3	13
58	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, 5095-5101.	10.0	88
59	Effect of Cadmium on the Interaction of 17β -Estradiol with the Rainbow Trout Estrogen Receptor. <i>Environmental Science & Technology</i> , 2006, 40, 1358-1363.	10.0	22
60	ESTROGENICITY PATTERNS IN THE SWISS MIDLAND RIVER LÄTZELMURG IN RELATION TO TREATED DOMESTIC SEWAGE EFFLUENT DISCHARGES AND HYDROLOGY. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2413.	4.3	40
61	Degradation of and sensitivity to cholate in <i>Pseudomonas</i> sp. strain Chol1. <i>Archives of Microbiology</i> , 2006, 185, 192-201.	2.2	37
62	Determination of [S,S ϵ^2]-ethylenediamine disuccinic acid (EDDS) by high performance liquid chromatography after derivatization with FMO. <i>Journal of Chromatography A</i> , 2005, 1077, 37-43.	3.7	28
63	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.	4.3	74
64	Effect of Corn Root Exudates on the Degradation of Atrazine and Its Chlorinated Metabolites in Soils. <i>Journal of Environmental Quality</i> , 2005, 34, 2187-2196.	2.0	19
65	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, 8191-8198.	10.0	115
66	Identification of the estrogen receptor Cd-binding sites by chemical modification. <i>Analyst, The</i> , 2005, 130, 1087.	3.5	26
67	Where Have All the Fish Gone?. <i>Environmental Science & Technology</i> , 2005, 39, 441A-447A.	10.0	100
68	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.	11.3	233
69	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.	4.3	149
70	Combined biological and chemical assessment of estrogenic activities in wastewater treatment plant effluents. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 688-696.	3.7	214
71	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, 93-97.	1.6	51
72	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, 4756-4764.	6.5	283

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73	Sorption and mass fluxes of sulfonated naphthalene formaldehyde condensates in aquifers. <i>Journal of Contaminant Hydrology</i> , 2003, 67, 1-12.	3.3	8
74	Occurrence and Fate of Macrolide Antibiotics in Wastewater Treatment Plants and in the Glatt Valley Watershed, Switzerland. <i>Environmental Science & Technology</i> , 2003, 37, 5479-5486.	10.0	419
75	Desulfonation and Degradation of the Disulfodiphenylethercarboxylates from Linear Alkyldiphenyletherdisulfonate Surfactants. <i>Applied and Environmental Microbiology</i> , 2003, 69, 938-944.	3.1	27
76	Occurrence and Fate of Antibiotics as Trace Contaminants in Wastewaters, Sewage Sludges, and Surface Waters. <i>Chimia</i> , 2003, 57, 485-491.	0.6	259
77	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, 3284-3289.	10.0	28
78	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.	2.2	11
79	Quantification of veterinary antibiotics (sulfonamides and trimethoprim) in animal manure by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 952, 111-120.	3.7	337
80	Rapid determination of sulfonated naphthalenes and their formaldehyde condensates in aqueous environmental samples using synchronous excitation fluorimetry. <i>Analyst</i> , 2001, 126, 2072-2077.	3.5	16
81	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, 4252-4259.	10.0	153
82	Behavior of aliphatic alcohol polyethoxylates and their metabolites under standardized aerobic biodegradation conditions. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 549-554.	4.3	40
83	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, 206-212.	2.2	19
84	Benzene- and naphthalenesulfonates in leachates and plumes of landfills. <i>Water Research</i> , 2000, 34, 2069-2079.	11.3	65
85	p-Toluenesulfonate in Landfill Leachates: Leachability from Foundry Sands and Aerobic Biodegradation. <i>Environmental Science & Technology</i> , 2000, 34, 2156-2161.	10.0	12
86	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, 271-278.	3.0	56
87	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.	6.5	58
88	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.	10.0	84
89	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.	2.2	88
90	The Determination of Polar Compounds in the Aquatic Environment. , 1997, , 559-573.		0

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91	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, 921-929.	6.5	87
92	Differentiation of Linear and Branched Alkylbenzenesulfonates by Gas Chromatography/Tandem Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 1996, 31, 357-362.	1.6	13
93	Continuous-flow fast atom bombardment: recent advances and applications. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992, 118-119, 449-476.	1.8	31
94	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.	2.8	23
95	Continuous-flow fast atom bombardment: recent advances and applications. , 1992, , 449-476.		0
96	Recent advances in liquid chromatographyâ€”mass spectrometry and capillary zone electrophoresisâ€”mass spectrometry for protein analysis. <i>Journal of Chromatography A</i> , 1991, 553, 101-116.	3.7	35
97	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.	1.8	0