Marc J -F Suter

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8982178/publications.pdf

Version: 2024-02-01

97 papers	5,473 citations	87888 38 h-index	82547 72 g-index
103 all docs	103 docs citations	103 times ranked	6412 citing authors

#	Article	IF	Citations
1	Occurrence and Fate of Macrolide Antibiotics in Wastewater Treatment Plants and in the Glatt Valley Watershed, Switzerland. Environmental Science & Technology, 2003, 37, 5479-5486.	10.0	419
2	Quantification of veterinary antibiotics (sulfonamides and trimethoprim) in animal manure by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2002, 952, 111-120.	3.7	337
3	Trace Determination of Macrolide and Sulfonamide Antimicrobials, a Human Sulfonamide Metabolite, and Trimethoprim in Wastewater Using Liquid Chromatography Coupled to Electrospray Tandem Mass Spectrometry. Analytical Chemistry, 2004, 76, 4756-4764.	6.5	283
4	Occurrence and Fate of Antibiotics as Trace Contaminants in Wastewaters, Sewage Sludges, and Surface Waters. Chimia, 2003, 57, 485-491.	0.6	259
5	Binding of Silver Nanoparticles to Bacterial Proteins Depends on Surface Modifications and Inhibits Enzymatic Activity. Environmental Science & Technology, 2010, 44, 2163-2168.	10.0	239
6	Comparing steroid estrogen, and nonylphenol content across a range of European sewage plants with different treatment and management practices. Water Research, 2005, 39, 47-58.	11.3	233
7	Combined biological and chemical assessment of estrogenic activities in wastewater treatment plant effluents. Analytical and Bioanalytical Chemistry, 2004, 378, 688-696.	3.7	214
8	MTBE Oxidation by Conventional Ozonation and the Combination Ozone/Hydrogen Peroxide:Â Efficiency of the Processes and Bromate Formation. Environmental Science & Technology, 2001, 35, 4252-4259.	10.0	153
9	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. Science of the Total Environment, 2017, 601-602, 1849-1868.	8.0	151
10	COMPARATIVE ANALYSIS OF ESTROGENIC ACTIVITY IN SEWAGE TREATMENT PLANT EFFLUENTS INVOLVING THREE IN VITRO ASSAYS AND CHEMICAL ANALYSIS OF STEROIDS. Environmental Toxicology and Chemistry, 2004, 23, 857.	4.3	149
11	Linking toxicity and adaptive responses across the transcriptome, proteome, and phenotype of Chlamydomonas reinhardtii exposed to silver. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3490-3495.	7.1	148
12	Characterization of Environmental Estrogens in River Water Using a Three Pronged Approach:Â Active and Passive Water Sampling and the Analysis of Accumulated Estrogens in the Bile of Caged Fish. Environmental Science & Technology, 2005, 39, 8191-8198.	10.0	115
13	Where Have All the Fish Gone?. Environmental Science & Technology, 2005, 39, 441A-447A.	10.0	100
14	Interaction of silver nanoparticles with algae and fish cells: a side by side comparison. Journal of Nanobiotechnology, 2017, 15, 16.	9.1	92
15	Involvement of two alpha-ketoglutarate-dependent dioxygenases in enantioselective degradation of (R)- and (S)-mecoprop by Sphingomonas herbicidovorans MH. Journal of Bacteriology, 1997, 179, 6674-6679.	2.2	88
16	Monitoring the Removal Efficiency of Pharmaceuticals and Hormones in Different Treatment Processes of Source-Separated Urine with Bioassays. Environmental Science & Technology, 2006, 40, 5095-5101.	10.0	88
17	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. Analytical Chemistry, 1996, 68, 921-929.	6.5	87
18	Changes in the Enantiomeric Ratio of (R)- to (S)-Mecoprop Indicate in Situ Biodegradation of This Chiral Herbicide in a Polluted Aquifer. Environmental Science & Technology, 1998, 32, 2070-2076.	10.0	84

#	Article	IF	Citations
19	Endocrine Disrupting Compounds Affecting Corticosteroid Signaling Pathways in Czech and Swiss Waters: Potential Impact on Fish. Environmental Science & Technology, 2014, 48, 12902-12911.	10.0	84
20	Proteomics for the Analysis of Environmental Stress Responses in Organisms. Environmental Science & Technology, 2007, 41, 6891-6900.	10.0	79
21	CHARACTERIZATION OF THE ESTROGENICITY OF SWISS MIDLAND RIVERS USING A RECOMBINANT YEAST BIOASSAY AND PLASMA VITELLOGENIN CONCENTRATIONS IN FERAL MALE BROWN TROUT. Environmental Toxicology and Chemistry, 2005, 24, 2226.	4.3	74
22	Multiple-endpoint assay provides a detailed mechanistic view of responses to herbicide exposure in Chlamydomonas reinhardtii. Aquatic Toxicology, 2012, 110-111, 214-224.	4.0	68
23	Benzene- and naphthalenesulfonates in leachates and plumes of landfills. Water Research, 2000, 34, 2069-2079.	11.3	65
24	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. Science of the Total Environment, 2017, 581-582, 350-358.	8.0	63
25	Global proteomics analysis of testis and ovary in adult zebrafish (Danio rerio). Fish Physiology and Biochemistry, 2011, 37, 619-647.	2.3	62
26	Water temperature and concomitant waterborne ethinylestradiol exposure affects the vitellogenin expression in juvenile brown trout (Salmo trutta). Aquatic Toxicology, 2008, 90, 188-196.	4.0	60
27	Combining passive samplers and biomonitors to evaluate endocrine disrupting compounds in a wastewater treatment plant by LC/MS/MS and bioassay analyses. Environmental Pollution, 2009, 157, 2716-2721.	7.5	60
28	The endocrine disrupting potential of sediments from the Upper Danube River (Germany) as revealed by in vitro bioassays and chemical analysis. Environmental Science and Pollution Research, 2011, 18, 446-460.	5.3	59
29	Selective Determination of Aromatic Sulfonates in Landfill Leachates and Groundwater Using Microbore Liquid Chromatography Coupled with Mass Spectrometry. Analytical Chemistry, 1999, 71, 897-904.	6.5	58
30	LC-MS/MS determination of potential endocrine disruptors of cortico signalling in rivers and wastewaters. Analytical and Bioanalytical Chemistry, 2014, 406, 7653-7665.	3.7	58
31	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. Biodegradation, 1999, 10, 271-278.	3.0	56
32	On the conformation-dependent neutralization theory and charging of individual proteins and their non-covalent complexes in the gas phase. Journal of Mass Spectrometry, 2004, 39, 93-97.	1.6	51
33	Glutathione S-Transferase Protein Expression in Different Life Stages of Zebrafish (Danio rerio). Toxicological Sciences, 2018, 162, 702-712.	3.1	50
34	Biochemical and Genetic Investigation of Initial Reactions in Aerobic Degradation of the Bile Acid Cholate in Pseudomonas sp. Strain Chol1. Journal of Bacteriology, 2007, 189, 7165-7173.	2.2	48
35	Critical influence of chloride ions on silver ion-mediated acute toxicity of silver nanoparticles to zebrafish embryos. Nanotoxicology, 2015, 9, 81-91.	3.0	48
36	Analysis of environmental stress response on the proteome level. Mass Spectrometry Reviews, 2008, 27, 556-574.	5.4	45

#	Article	IF	Citations
37	Evolution of egg coats: linking molecular biology and ecology. Molecular Ecology, 2015, 24, 4052-4073.	3.9	43
38	Behavior of aliphatic alcohol polyethoxylates and their metabolites under standardized aerobic biodegradation conditions. Environmental Toxicology and Chemistry, 2000, 19, 549-554.	4.3	40
39	ESTROGENICITY PATTERNS IN THE SWISS MIDLAND RIVER LÃœTZELMURG IN RELATION TO TREATED DOMESTIC SEWAGE EFFLUENT DISCHARGES AND HYDROLOGY. Environmental Toxicology and Chemistry, 2006, 25, 2413.	4.3	40
40	Phenotypic plasticity influences the ecoâ€evolutionary dynamics of a predatorâ€“prey system. Ecology, 2014, 95, 3080-3092.	3.2	39
41	Silver nanoparticleâ€“protein interactions in intact rainbow trout gill cells. Environmental Science: Nano, 2016, 3, 1174-1185.	4.3	39
42	Degradation of and sensitivity to cholate in Pseudomonas sp. strain Chol1. Archives of Microbiology, 2006, 185, 192-201.	2.2	37
43	Degradation of the Acyl Side Chain of the Steroid Compound Cholate in Pseudomonas sp. Strain Chol1 Proceeds via an Aldehyde Intermediate. Journal of Bacteriology, 2013, 195, 585-595.	2.2	37
44	Recent advances in liquid chromatographyâ€”mass spectrometry and capillary zone electrophoresisâ€”mass spectrometry for protein analysis. Journal of Chromatography A, 1991, 553, 101-116.	3.7	35
45	Linking proteome responses with physiological and biochemical effects in herbicide-exposed Chlamydomonas reinhardtii. Journal of Proteomics, 2012, 75, 5370-5385.	2.4	35
46	An integrative approach combining passive sampling, bioassays, and effectâ€directed analysis to assess the impact of wastewater effluent. Environmental Toxicology and Chemistry, 2018, 37, 2079-2088.	4.3	33
47	Analysis of protein expression in zebrafish during gonad differentiation by targeted proteomics. General and Comparative Endocrinology, 2013, 193, 210-220.	1.8	32
48	Acute toxicity of tralopyril, capsaicin and triphenylborane pyridine to marine invertebrates. Ecotoxicology, 2014, 23, 1336-1344.	2.4	32
49	Continuous-flow fast atom bombardment: recent advances and applications. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 449-476.	1.8	31
50	Investigating the accumulation and translocation of titanium dioxide nanoparticles with different surface modifications in static and dynamic human placental transfer models. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 488-497.	4.3	31
51	Toxicity of emerging antifouling biocides to non-target freshwater organisms from three trophic levels. Aquatic Toxicology, 2017, 191, 164-174.	4.0	30
52	Leaching and Primary Biodegradation of Sulfonated Naphthalenes and Their Formaldehyde Condensates from Concrete Superplasticizers in Groundwater Affected by Tunnel Construction. Environmental Science & Technology, 2002, 36, 3284-3289.	10.0	28
53	Determination of [S,Sâ€²]-ethylenediamine disuccinic acid (EDDS) by high performance liquid chromatography after derivatization with FMOC. Journal of Chromatography A, 2005, 1077, 37-43.	3.7	28
54	Desulfonation and Degradation of the Disulfodiphenylethercarboxylates from Linear Alkyldiphenyletherdisulfonate Surfactants. Applied and Environmental Microbiology, 2003, 69, 938-944.	3.1	27

#	Article	IF	Citations
55	Identification of the estrogen receptor Cd-binding sites by chemical modification. Analyst, The, 2005, 130, 1087.	3.5	26
56	Stressor-induced proteome alterations in zebrafish: A meta-analysis of response patterns. Aquatic Toxicology, 2015, 159, 1-12.	4.0	25
57	Tralopyril bioconcentration and effects on the gill proteome of the Mediterranean mussel Mytilus galloprovincialis. Aquatic Toxicology, 2016, 177, 198-210.	4.0	25
58	An integral probe for capillary zone electrophoresis/continuous-flow fast atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1992, 3, 198-206.	2.8	23
59	Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects. Chimia, 2008, 62, 376.	0.6	23
60	Effect of Cadmium on the Interaction of 17Î²-Estradiol with the Rainbow Trout Estrogen Receptor. Environmental Science & Technology, 2006, 40, 1358-1363.	10.0	22
61	Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs. Chimia, 2008, 62, 383-388.	0.6	22
62	Chemical and Biological Characterization of Estrogenicity in Effluents from WWTPs in Ria de Aveiro (NW Portugal). Archives of Environmental Contamination and Toxicology, 2010, 58, 1-8.	4.1	21
63	LC-MS/MS determination of tralopyril in water samples. Chemosphere, 2016, 145, 445-449.	8.2	21
64	Clobetasol propionate causes immunosuppression in zebrafish (Danio rerio) at environmentally relevant concentrations. Ecotoxicology and Environmental Safety, 2017, 138, 16-24.	6.0	21
65	Hydroxyhydroquinone reductase, the initial enzyme involved in the degradation of hydroxyhydroquinone (1,2,4-trihydroxybenzene) by Desulfovibrio inopinatus. Archives of Microbiology, 2000, 173, 206-212.	2.2	19
66	Effect of Corn Root Exudates on the Degradation of Atrazine and Its Chlorinated Metabolites in Soils. Journal of Environmental Quality, 2005, 34, 2187-2196.	2.0	19
67	Rapid determination of sulfonated naphthalenes and their formaldehyde condensates in aqueous environmental samples using synchronous excitation fluorimetry. Analyst, The, 2001, 126, 2072-2077.	3.5	16
68	Internal exposure of whitefish (Coregonus lavaretus) to estrogens. Aquatic Toxicology, 2009, 93, 158-165.	4.0	16
69	Multimode gradient high performance liquid chromatography mass spectrometry method applicable to metabolomics and environmental monitoring. Journal of Chromatography A, 2016, 1456, 145-151.	3.7	16
70	Sensitivity of brown trout reproduction to long-term estrogenic exposure. Aquatic Toxicology, 2008, 90, 65-72.	4.0	15
71	Estrogens in Swiss Rivers and Effluents â€“ Sampling Matters. Chimia, 2008, 62, 389-394.	0.6	15
72	Characterization of Leadâ€“Phytochelatin Complexes by Nano-Electrospray Ionization Mass Spectrometry. Frontiers in Microbiology, 2012, 3, 41.	3.5	14

#	Article	IF	Citations
73	Differentiation of Linear and Branched Alkylbenzenesulfonates by Gas Chromatography/Tandem Mass Spectrometry. Journal of Mass Spectrometry, 1996, 31, 357-362.	1.6	13
74	Analytical Chemistry and Ecotoxicologyâ€"Tasks, Needs and Trends. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2007, 70, 724-726.	2.3	13
75	Mechanistic basis of adaptive maternal effects: egg jelly water balance mediates embryonic adaptation to acidity in Rana arvalis. Oecologia, 2015, 179, 617-628.	2.0	13
76	p-Toluenesulfonate in Landfill Leachates:Â Leachability from Foundry Sands and Aerobic Biodegradation. Environmental Science & Technology, 2000, 34, 2156-2161.	10.0	12
77	TfdD II , one of the two chloromuconate cycloisomerases of Ralstonia eutropha JMP134 (pJP4), cannot efficiently convert 2-chloro- cis , cis -muconate to trans -dienelactone to allow growth on 3-chlorobenzoate. Archives of Microbiology, 2002, 178, 13-25.	2.2	11
78	Endocrine disrupting chemicalsâ€"Linking internal exposure to vitellogenin levels and ovotestis in Abramis brama from Dutch surface waters. Environmental Toxicology and Pharmacology, 2010, 30, 209-223.	4.0	11
79	Transient exposure to environmental estrogen affects embryonic development of brown trout (Salmo) Tj ETQq1 1 0.784314 rgBT /Over	4.0	11
80	Hexachlorobenzene exerts genotoxic effects in a humpback whale cell line under stable exposure conditions. RSC Advances, 2019, 9, 39447-39457.	3.6	11
81	On the acquisition of +1 charge states during high-throughput proteomics: Implications on reproducibility, number and confidence of protein identifications. Journal of Proteomics, 2009, 72, 761-770.	2.4	9
82	Sorption and mass fluxes of sulfonated naphthalene formaldehyde condensates in aquifers. Journal of Contaminant Hydrology, 2003, 67, 1-12.	3.3	8
83	Molecular phenotyping of maternally mediated parallel adaptive divergence within Rana arvalis and Rana temporaria. Molecular Ecology, 2016, 25, 4564-4579.	3.9	8
84	Proteome evolution under non-substitutable resource limitation. Nature Communications, 2018, 9, 4650.	12.8	8
85	LC-APCI(â˜)-MS Determination of 1-Chloro-2,4-dinitrobenzene, a Model Substrate for Glutathione S-Transferases. Journal of the American Society for Mass Spectrometry, 2020, 31, 467-472.	2.8	7
86	Effect-oriented environmental analysis. Analytical and Bioanalytical Chemistry, 2008, 390, 1957-1958.	3.7	6
87	Mass Spectrometry in Environmental Toxicology. Chimia, 2014, 68, 140.	0.6	6
88	Biotransformation Capacity of Zebrafish (Danio rerio) Early Life Stages: Functionality of the Mercapturic Acid Pathway. Toxicological Sciences, 2020, 176, 355-365.	3.1	5
89	Investigation of small-scale processes in the rhizosphere of Lupinus albus using micro push-pull tests. Plant and Soil, 2014, 378, 309-324.	3.7	4
90	Characterization of the Mercapturic Acid Pathway, an Important Phase II Biotransformation Route, in a Zebrafish Embryo Cell Line. Chemical Research in Toxicology, 2020, 33, 2863-2871.	3.3	1

#	Article	IF	Citations
91	Formation of a new Cî—¸C bond in a sulfonenamide upon SO2 elimination induced by electron impact ionization. International Journal of Mass Spectrometry and Ion Processes, 1988, 86, 201-208.	1.8	0
92	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
93	Mass Spectrometry in Environmental Chemistry and Toxicology. NATO Science for Peace and Security Series A: Chemistry and Biology, 2017, , 159-176.	0.5	0
94	Multimode Separation for Metabolomics and Complex Environmental Samples. Chimia, 2017, 71, 242-242.	0.6	0
95	Conference Report. Chimia, 2018, 72, 434-435.	0.6	0
96	Continuous-flow fast atom bombardment: recent advances and applications. , 1992, , 449-476.		0
97	The Determination of Polar Compounds in the Aquatic Environment. , 1997, , 559-573.		0