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List of Publications by Year
in descending order

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74 papers	3,648 citations	145106 33 h-index	150775 59 g-index
77 all docs	77 docs citations	77 times ranked	4726 citing authors

#	Article	IF	Citations
1	Perâ€•and Polyfluoroalkyl Substances (PFAS) in Fish from European Lakes: Current Contamination Status, Sources, and Perspectives for Monitoring. Environmental Toxicology and Chemistry, 2021, 40, 658-676.	2.2	45
2	Legacy and alternative halogenated flame retardants in Lake Geneva fish. Environmental Science and Pollution Research, 2021, 28, 7766-7773.	2.7	4
3	Sediment quality assessment framework for perâ€•and polyfluoroalkyl substances: Results from a preparatory study and regulatory implications. Integrated Environmental Assessment and Management, 2021, 17, 716-725.	1.6	7
4	The added value of Bayesian inference for estimating biotransformation rates of organic contaminants in aquatic invertebrates. Aquatic Toxicology, 2021, 234, 105811.	1.9	7
5	Ecotoxicological testing of sediments and dredged material: an overlooked opportunity?. Journal of Soils and Sediments, 2020, 20, 4218-4228.	1.5	18
6	Temperature effect on perfluorooctane sulfonate toxicokinetics in rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 105545.	1.9	1
7	Sedimentological and geochemical data in bed sediments from a tropical river-estuary system impacted by a developing megacity, Ho Chi Minh City - Vietnam. Data in Brief, 2020, 31, 105938.	0.5	1
8	Monitoring priority substances in biota under the Water Framework Directive: how effective is a tiered approach based on caged invertebrates? A proof-of-concept study targeting PFOS in French rivers. Environmental Sciences Europe, 2020, 32, .	2.6	10
9	Elucidating the fate of perfluorooctanoate sulfonate using a rainbow trout (Oncorhynchus mykiss) physiologically-based toxicokinetic model. Science of the Total Environment, 2019, 691, 1297-1309.	3.9	17
10	Investigation of the spatial variability of poly- and perfluoroalkyl substance trophic magnification in selected riverine ecosystems. Science of the Total Environment, 2019, 686, 393-401.	3.9	46
11	Temporal variations of perfluoroalkyl substances partitioning between surface water, suspended sediment, and biota in a macrotidal estuary. Chemosphere, 2019, 233, 319-326.	4.2	46
12	A Bayesian framework for estimating parameters of a generic toxicokinetic model for the bioaccumulation of organic chemicals by benthic invertebrates: Proof of concept with PCB153 and two freshwater species. Ecotoxicology and Environmental Safety, 2019, 180, 33-42.	2.9	18
13	Does water temperature influence the distribution and elimination of perfluorinated substances in rainbow trout (Oncorhynchus mykiss)?. Environmental Science and Pollution Research, 2019, 26, 16355-16365.	2.7	17
14	Evidence for the widespread occurrence of short- and medium-chain chlorinated paraffins in fish collected from the RhÃ´ne River basin (France). Chemosphere, 2019, 223, 232-239.	4.2	36
15	Practical advice for selecting or determining trophic magnification factors for application under the European Union Water Framework Directive. Integrated Environmental Assessment and Management, 2019, 15, 266-277.	1.6	42
16	Where has the pollution gone? A survey of organic contaminants in Ho Chi Minh city / Saigon River (Vietnam) bed sediments. Chemosphere, 2019, 217, 261-269.	4.2	30
17	Refining uptake and depuration constants for fluoroalkyl chemicals in Chironomus riparius larvae on the basis of experimental results and modelling. Ecotoxicology and Environmental Safety, 2018, 149, 284-290.	2.9	6
18	Occurrence of Dechlorane Plus and related compounds in catfish (Silurus spp.) from rivers in France. Chemosphere, 2018, 207, 413-420.	4.2	13

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19	Per- and poly-fluoroalkyl compounds in freshwater fish from the RhÃ´ne River: Influence of fish size, diet, prey contamination and biotransformation. Science of the Total Environment, 2017, 605-606, 38-47.	3.9	73
20	Evidence for the Trophic Transfer of Perfluoroalkylated Substances in a Temperate Macrotidal Estuary. Environmental Science & Technology, 2017, 51, 8450-8459.	4.6	91
21	Vers une dÃ©marche graduÃ©e d'Ã©valuation Ã©cotoxicologique des sÃ©diments fluviauxÂ: prÃ©sentation et premiers tests. Houille Blanche, 2016, 102, 85-100.	0.3	0
22	Potential exposure routes and accumulation kinetics for poly- and perfluorinated alkyl compounds for a freshwater amphipod: Gammarus spp. (Crustacea). Chemosphere, 2016, 155, 380-387.	4.2	26
23	Declining Dioxin Concentrations in the Rhone River Basin, France, Attest to the Effectiveness of Emissions Controls. Environmental Science & Technology, 2015, 49, 12723-12730.	4.6	9
24	Bioaccumulation of perfluoroalkyl compounds in midge (Chironomus riparius) larvae exposed to sediment. Environmental Pollution, 2014, 189, 27-34.	3.7	48
25	Historical records, sources, and spatial trends of PCBs along the RhÃ´ne River (France). Science of the Total Environment, 2014, 476-477, 568-576.	3.9	63
26	Multi-residue analysis of emerging pollutants in benthic invertebrates by modified micro-quick-easy-cheap-efficient-rugged-safe extraction and nanoliquid chromatographyâ€“nanosprayâ€“tandem mass spectrometry analysis. Journal of Chromatography A, 2014, 1367, 16-32.	1.8	57
27	Lâ€™expertise Ã lâ€™Ã©preuve dâ€™une controverse environnementale et sanitaireÂ: la production des savoirs et des ignorances Ã propos des PCB du RhÃ´ne (France). VertigO: La Revue Electronique En Sciences De L'environnement, 2014, , .	0.0	8
28	Pesticide risk assessment and management in a globally changing worldâ€”report from a European interdisciplinary workshop. Environmental Science and Pollution Research, 2013, 20, 8298-8312.	2.7	25
29	Sediment contamination assessment in urban areas based onÂtotal suspended solids. Water Research, 2013, 47, 339-350.	5.3	41
30	Transfer of PCBs from bottom sediment to freshwater river fish: A food-web modelling approach in the RhÃ´ne River (France) in support of sediment management. Ecotoxicology and Environmental Safety, 2012, 81, 17-26.	2.9	17
31	Occurrence of priority and emerging organic compounds in fishes from the Rhone River (France). Analytical and Bioanalytical Chemistry, 2012, 404, 2721-2735.	1.9	63
32	Nationwide PCB congener pattern analysis in freshwater fish samples in France. Knowledge and Management of Aquatic Ecosystems, 2012, , 07.	0.5	4
33	Towards a renewed research agenda in ecotoxicology. Environmental Pollution, 2012, 160, 201-206.	3.7	78
34	Spatial and temporal trends in PCBs in sediment along the lower RhÃ´ne River, France. Science of the Total Environment, 2012, 433, 189-197.	3.9	64
35	BSAFs for freshwater fish and derivation of a sediment quality guideline for PCBs in the Rhone basin, France. Journal of Soils and Sediments, 2012, 12, 241-251.	1.5	20
36	Ecological Risk Assessment (ERA) of Open-water Disposal of Sediment to Support the Management of Dredging Project in the St. Lawrence River. , 2012, , 1-21.		0

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37	DNA damage in Gammarus fossarum sperm as a biomarker of genotoxic pressure: intrinsic variability and reference level. Science of the Total Environment, 2011, 409, 3230-3236.	3.9	38
38	Is PCBs concentration variability between and within freshwater fish species explained by their contamination pathways?. Chemosphere, 2011, 85, 502-508.	4.2	24
39	Efficiency of sediment quality guidelines for predicting toxicity: The case of the St. Lawrence river. Integrated Environmental Assessment and Management, 2010, 6, 225-239.	1.6	11
40	Assessing pollution of toxic sediment in streams using bioâ€ecological traits of benthic macroinvertebrates. Freshwater Biology, 2010, 55, 1430-1446.	1.2	87
41	How ecological indicators construction reveals social changesâ€"The case of lakes and rivers in France. Ecological Indicators, 2009, 9, 1198-1205.	2.6	34
42	Correlations between dioxin-like and indicators PCBs: Potential consequences for environmental studies involving fish or sediment. Environmental Pollution, 2009, 157, 3451-3456.	3.7	46
43	Acetylcholinesterase activity in Gammarus fossarum (Crustacea Amphipoda). Aquatic Toxicology, 2009, 93, 225-233.	1.9	78
44	Water and Sediment EQS Derivation and Application. , 2009, , 47-103.		3
45	Relationships among total recoverable and reactive metals and metalloid in St. Lawrence River sediment: Bioaccumulation by chironomids and implications for ecological risk assessment. Science of the Total Environment, 2008, 389, 101-114.	3.9	37
46	The Way Forward for Sediment Risk Management and Communication â€" A Summary. Sustainable Management of Sediment Resources, 2007, , 249-267.	0.5	2
47	Prioritisation at River Basin Scale, Risk Assessment at Site-Specific Scale: Suggested Approaches. Sustainable Management of Sediment Resources, 2007, 3, 107-151.	0.5	14
48	Environmental Quality Standards for Water Framework Directive Priority Substances: Challenges and Opportunities. Integrated Environmental Assessment and Management, 2007, 3, 290.	1.6	35
49	Mechanistic Models to Perform Population Risk Assessment with the MidgeChironomus Riparius:Â Application to Heavy Metals. Environmental Science & Technology, 2006, 40, 6026-6031.	4.6	15
50	Assessment of ecotoxicological risks related to depositing dredged materials from canals in northern France on soil. Environment International, 2006, 32, 804-814.	4.8	36
51	DERIVING EFFECTS ON CHIRONOMUS POPULATION CARRYING CAPACITY FROM STANDARD TOXICITY TESTS. Environmental Toxicology and Chemistry, 2006, 25, 144.	2.2	10
52	Characterizing the risks to aquatic ecosystems: A tentative approach in the context of freshwater dredged material disposal. Integrated Environmental Assessment and Management, 2006, 2, 330-343.	1.6	9
53	Characterizing the risks to aquatic ecosystems: A tentative approach in the context of freshwater dredged material disposal. Integrated Environmental Assessment and Management, 2006, 2, e47-e48.	1.6	4
54	ENERGY-BASED MODELING AS A BASIS FOR THE ANALYSIS OF REPRODUCTIVE DATA WITH THE MIDGE (CHIRONOMUS RIPARIUS). Environmental Toxicology and Chemistry, 2004, 23, 225.	2.2	18

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55	Molecular studies of insoluble organic matter in river sediments from Alsace-Lorraine (France). Organic Geochemistry, 2004, 35, 109-122.	0.9	17
56	Biological effects-based sediment quality in ecological risk assessment for European waters. Journal of Soils and Sediments, 2003, 3, 144-162.	1.5	100
57	A MODEL TO UNDERSTAND THE CONFOUNDING EFFECTS OF NATURAL SEDIMENTS IN TOXICITY TESTS WITH CHIRONOMUS RIPARIUS. Environmental Toxicology and Chemistry, 2003, 22, 2476.	2.2	21
58	Developing environmental quality standards for various pesticides and priority pollutants for French freshwaters. Journal of Environmental Management, 2003, 69, 139-147.	3.8	19
59	Ecotoxicological impact of pharmaceuticals found in treated wastewaters: study of carbamazepine, clofibric acid, and diclofenac. Ecotoxicology and Environmental Safety, 2003, 55, 359-370.	2.9	663
60	A modeling approach to link food availability, growth, emergence, and reproduction for the midge Chironomus riparius. Environmental Toxicology and Chemistry, 2002, 21, 2507-2513.	2.2	98
61	A MODELING APPROACH TO LINK FOOD AVAILABILITY, GROWTH, EMERGENCE, AND REPRODUCTION FOR THE MIDGE CHIRONOMUS RIPARIUS. Environmental Toxicology and Chemistry, 2002, 21, 2507.	2.2	47
62	Composition, structure and size distribution of suspended particulates from the Rhine River. Water Research, 2001, 35, 808-816.	5.3	71
63	Statistical analysis of regulatory ecotoxicity tests. Chemosphere, 2001, 45, 659-669.	4.2	111
64	Assessing the potential toxicity of resuspended sediment. Environmental Toxicology and Chemistry, 2000, 19, 1290-1296.	2.2	36
65	Antioxidant Biomarkers in Freshwater Bivalves, Unio tumidus, in Response to Different Contamination Profiles of Aquatic Sediments. Ecotoxicology and Environmental Safety, 2000, 45, 106-121.	2.9	197
66	An index of effluent aquatic toxicity designed by partial least squares regression, using acute and chronic tests and expert judgements. Environmental Toxicology and Chemistry, 1999, 18, 2386-2391.	2.2	38
67	Glutathione Reductase, Selenium-Dependent Glutathione Peroxidase, Glutathione Levels, and Lipid Peroxidation in Freshwater Bivalves,Unio tumidus,as Biomarkers of Aquatic Contamination in Field Studies. Ecotoxicology and Environmental Safety, 1997, 38, 122-131.	2.9	214
68	Antioxidant enzymes, glutathione and lipid peroxidation as relevant biomarkers of experimental or field exposure in the gills and the digestive gland of the freshwater bivalve Unio tumidus. Aquatic Toxicology, 1997, 39, 93-110.	1.9	377
69	The genotoxicity of iron and chromium in electroplating effluents. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 370, 19-28.	1.2	37
70	Biodegradation of naphthalene in montmorillonite/polyacryamide suspensions. Water Science and Technology, 1995, 31, 85.	1.2	11
71	Alteration of pesticide content in the soil solution collected by a porous cup. Chemosphere, 1994, 29, 63-70.	4.2	7
72	Porous cups for pesticides monitoring in soil solution â€" Laboratory tests. Chemosphere, 1993, 26, 2231-2239.	4.2	13

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73	The biological aspects of the regulatory control of industrial effluents in France. Chemosphere, 1991, 22, 625-633.	4.2	18
74	Contamination des eaux souterraines par des pesticides et contrÃ1le sanitaire approche mÃ©thodologique Ã partir de quelques captages Lorrains. Journal Francais D'Hydrologie, 1991, 22, 235-245.	0.1	1