Selim Ait-Aissa

List of Publications by Year
in descending order

87 papers	5,529 citations	76322 40 h-index	79691 73 g-index
88 all docs	88 docs citations	88 times ranked	5802 citing authors

#	Article	IF	Citations
1	Biological effect and chemical monitoring of Watch List substances in European surface waters: Steroidal estrogens and diclofenac â€“ Effect-based methods for monitoring frameworks. Environment International, 2022, 159, 107033.	10.0	28
2	Estrogenicity of chemical mixtures revealed by a panel of bioassays. Science of the Total Environment, 2021, 785, 147284.	8.0	19
3	Chronic simultaneous exposure of common carp (Cyprinus carpio) from embryonic to juvenile stage to drospirenone and gestodene at low ng/L level caused intersex. Ecotoxicology and Environmental Safety, 2020, 188, 109912.	6.0	21
4	Human and Zebrafish Nuclear Progesterone Receptors Are Differently Activated by Manifold Progestins. Environmental Science & Technology, 2020, 54, 9510-9518.	10.0	17
5	Estrogenic activity of surface waters using zebrafish- and human-based in vitro assays: The Danube as a case-study. Environmental Toxicology and Pharmacology, 2020, 78, 103401.	4.0	8
6	Differential activity of BPA, BPAF and BPC on zebrafish estrogen receptors in vitro and in vivo. Toxicology and Applied Pharmacology, 2019, 380, 114709.	2.8	37
7	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. Environmental Sciences Europe, 2019, 31, .	5.5	142
8	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. Environmental Sciences Europe, 2019, 31, .	5.5	140
9	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. Environmental Sciences Europe, 2019, 31, .	5.5	13
10	Monitoring estrogenic activities of waste and surface waters using a novel in vivo zebrafish embryonic (EASZY) assay: Comparison with in vitro cell-based assays and determination of effect-based trigger values. Environment International, 2019, 130, 104896.	10.0	43
11	Combined effects of environmental xeno-estrogens within multi-component mixtures: Comparison of inÂvitro human- and zebrafish-based estrogenicity bioassays. Chemosphere, 2019, 227, 334-344.	8.2	16
12	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. Environmental Sciences Europe, 2019, 31, .	5.5	7
13	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. TrAC - Trends in Analytical Chemistry, 2018, 102, 225-235.	11.4	82
14	Effect-based trigger values for in vitro and in vivo bioassays performed on surface water extracts supporting the environmental quality standards (EQS) of the European Water Framework Directive. Science of the Total Environment, 2018, 628-629, 748-765.	8.0	176
15	Effect-based monitoring of the Danube River using mobile passive sampling. Science of the Total Environment, 2018, 636, 1608-1619.	8.0	29
16	Mixture effects in samples of multiple contaminants â€“ An inter-laboratory study with manifold bioassays. Environment International, 2018, 114, 95-106.	10.0	113
17	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
18	Solid-phase extraction as sample preparation of water samples for cell-based and otherin vitrobioassays. Environmental Sciences: Processes and Impacts, 2018, 20, 493-504.	3.5	53

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19	Liver histopathology and biochemical biomarkers in Gobius niger and Zosterisessor ophiocephalus from polluted and non-polluted Tunisian lagoons (Southern Mediterranean Sea). Marine Pollution Bulletin, 2018, 128, 248-258.	5.0	15
20	Screening and risk management solutions for steroidal estrogens in surface and wastewater. TrAC - Trends in Analytical Chemistry, 2018, 102, 343-358.	11.4	68
21	Photodegradation of novel oral anticoagulants under sunlight irradiation in aqueous matrices. Chemosphere, 2018, 193, 329-336.	8.2	9
22	Mixture Concentration-Response Modeling Reveals Antagonistic Effects of Estradiol and Genistein in Combination on Brain Aromatase Gene (cyp19a1b) in Zebrafish. International Journal of Molecular Sciences, 2018, 19, 1047.	4.1	12
23	Triclosan Lacks (Anti-)Estrogenic Effects in Zebrafish Cells but Modulates Estrogen Response in Zebrafish Embryos. International Journal of Molecular Sciences, 2018, 19, 1175.	4.1	16
24	In vitro and in vivo estrogenic activity of BPA, BPF and BPS in zebrafish-specific assays. Ecotoxicology and Environmental Safety, 2017, 142, 150-156.	6.0	162
25	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
26	Seasonal rhythm of physiological indexes, liver protein level, and biotransformation biomarkers inZosterisessor ophiocephalusandGobius nigerfrom a low contaminated lagoon (Ghar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	4
27	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
28	Development of a bioanalytical test battery for water quality monitoring: Fingerprinting identified micropollutants and their contribution to effects in surface water. Water Research, 2017, 123, 734-750.	11.3	179
29	Integrating chemical analysis and bioanalysis to evaluate the contribution of wastewater effluent on the micropollutant burden in small streams. Science of the Total Environment, 2017, 576, 785-795.	8.0	131
30	Effect-based tools for monitoring estrogenic mixtures: Evaluation of five inÂvitro bioassays. Water Research, 2017, 110, 378-388.	11.3	64
31	Comparison of the In Vivo Biotransformation of Two Emerging Estrogenic Contaminants, BP2 and BPS, in Zebrafish Embryos and Adults. International Journal of Molecular Sciences, 2017, 18, 704.	4.1	32
32	Zebrafish-based reporter gene assays reveal different estrogenic activities in river waters compared to a conventional human-derived assay. Science of the Total Environment, 2016, 550, 934-939.	8.0	27
33	Spatial and temporal variation of biochemical biomarkers in Gobius niger (Gobiidae) from a southern Mediterranean lagoon (Bizerta lagoon, Tunisia): Influence of biotic and abiotic factors. Marine Pollution Bulletin, 2016, 107, 305-314.	5.0	11
34	Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts â€“ Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. Water Research, 2016, 104, 473-484.	11.3	71
35	Additive effects of levonorgestrel and ethinylestradiol on brain aromatase (cyp19a1b) in zebrafish specific in vitro and in vivo bioassays. Toxicology and Applied Pharmacology, 2016, 307, 108-114.	2.8	16
36	Proposal to optimize ecotoxicological evaluation of wastewater treated by conventional biological and ozonation processes. Environmental Science and Pollution Research, 2016, 23, 3008-3017.	5.3	26

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37	Photodegradation of fluorene in aqueous solution: Identification and biological activity testing of degradation products. Journal of Chromatography A, 2016, 1442, 118-128.	3.7	10
38	Evaluation of an extraction method for a mixture of endocrine disrupters in sediment using chemical and in vitro biological analyses. Environmental Science and Pollution Research, 2016, 23, 10349-10360.	5.3	6
39	Effect-directed analysis supporting monitoring of aquatic environments â€" An in-depth overview. Science of the Total Environment, 2016, 544, 1073-1118.	8.0	288
40	Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	8.0	243
41	Cell-Specific Biotransformation of Benzophenone-2 and Bisphenol-S in Zebrafish and Human in Vitro Models Used for Toxicity and Estrogenicity Screening. Environmental Science & Technology, 2015, 49, 3860-3868.	10.0	65
42	BFCOD activity in fish cell lines and zebrafish embryos and its modulation by chemical ligands of human aryl hydrocarbon and nuclear receptors. Environmental Science and Pollution Research, 2015, 22, 16393-16404.	5.3	25
43	Linking in Vitro Effects and Detected Organic Micropollutants in Surface Water Using Mixture-Toxicity Modeling. Environmental Science & Technology, 2015, 49, 14614-14624.	10.0	164
44	Mixtures of Chemical Pollutants at European Legislation Safety Concentrations: How Safe Are They?. Toxicological Sciences, 2014, 141, 218-233.	3.1	108
45	Affinity purification using recombinant PXR as a tool to characterize environmental ligands. Environmental Toxicology, 2014, 29, 207-215.	4.0	6
46	Selectivity of natural, synthetic and environmental estrogens for zebrafish estrogen receptors. Toxicology and Applied Pharmacology, 2014, 280, 60-69.	2.8	38
47	Identification of Synthetic Steroids in River Water Downstream from Pharmaceutical Manufacture Discharges Based on a Bioanalytical Approach and Passive Sampling. Environmental Science & Technology, 2014, 48, 3649-3657.	10.0	111
48	Photolysis of estrone generates estrogenic photoproducts with higher activity than the parent compound. Environmental Science and Pollution Research, 2014, 21, 7818-7827.	5.3	6
49	Effect-directed analysis of endocrine-disrupting compounds in multi-contaminated sediment: identification of novel ligands of estrogen and pregnane X receptors. Analytical and Bioanalytical Chemistry, 2013, 405, 2553-2566.	3.7	66
50	EDA-EMERGE: an FP7 initial training network to equip the next generation of young scientists with the skills to address the complexity of environmental contamination with emerging pollutants. Environmental Sciences Europe, 2013, 25, .	5.5	13
51	Distribution of steroid- and dioxin-like activities between sediments, POCIS and SPMD in a French river subject to mixed pressures. Environmental Science and Pollution Research, 2013, 20, 2784-2794.	5.3	30
52	Using mass spectrometry to highlight structures of degradation compounds obtained by photolysis of chloroacetamides: Case of acetochlor. Journal of Chromatography A, 2013, 1310, 98-112.	3.7	18
53	Characterization of endocrine disruptors from a complex matrix using estrogen receptor affinity columns and high performance liquid chromatographyâ€"high resolution mass spectrometry. Environmental Science and Pollution Research, 2013, 20, 2705-2720.	5.3	8
54	Estrogenic Potency of Benzophenone UV Filters in Breast Cancer Cells: Proliferative and Transcriptional Activity Substantiated by Docking Analysis. PLoS ONE, 2013, 8, e60567.	2.5	60

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55	Selective Activation of Zebrafish Estrogen Receptor Subtypes by Chemicals by Using Stable Reporter Gene Assay Developed in a Zebrafish Liver Cell Line. Toxicological Sciences, 2012, 125, 439-449.	3.1	57
56	Occurrence of androgens in sewage treatment plants influents is associated with antagonist activities on other steroid receptors. Water Research, 2012, 46, 1912-1922.	11.3	51
57	In vitro biomonitoring of contamination by estrogenic compounds in coastal environments: Comments on the use of M. galloprovincialis. Environmental Toxicology, 2012, 27, 74-82.	4.0	4
58	Androgen receptor binding affinity: a QSAR evaluation. SAR and QSAR in Environmental Research, 2011, 22, 265-291.	2.2	19
59	Adverse effects in wild fish living downstream from pharmaceutical manufacture discharges. Environment International, 2011, 37, 1342-1348.	10.0	148
60	Characterization of testicular expression of P450 17Î±-hydroxylase, 17,20-lyase in zebrafish and its perturbation by the pharmaceutical fungicide clotrimazole. General and Comparative Endocrinology, 2011, 174, 309-317.	1.8	36
61	New challenges in environmental analytical chemistry: Identification of toxic compounds in complex mixtures. Comptes Rendus Chimie, 2011, 14, 766-779.	0.5	57
62	Passive samplers for chemical substance monitoring and associated toxicity assessment in water. Water Science and Technology, 2011, 63, 2418-2426.	2.5	37
63	Evaluation of an hPXR reporter gene assay for the detection of aquatic emerging pollutants: screening of chemicals and application to water samples. Analytical and Bioanalytical Chemistry, 2010, 396, 569-583.	3.7	59
64	Impact of Urban Wastewater Discharges on the Sediments of a Small Mediterranean River and Associated Coastal Environment: Assessment of Estrogenic and Dioxin-like Activities. Archives of Environmental Contamination and Toxicology, 2010, 58, 562-575.	4.1	15
65	Endocrine disruption in wild populations of chub (Leuciscus cephalus) in contaminated French streams. Science of the Total Environment, 2010, 408, 2146-2154.	8.0	39
66	Bioanalytical characterisation of multiple endocrine- and dioxin-like activities in sediments from reference and impacted small rivers. Environmental Pollution, 2010, 158, 74-83.	7.5	106
67	Anti-androgenic activities of environmental pesticides in the MDA-kb2 reporter cell line. Toxicology in Vitro, 2010, 24, 1979-1985.	2.4	47
68	Monitoring organic contaminants in small French coastal lagoons: comparison of levels in mussel, passive sampler and sediment. Journal of Environmental Monitoring, 2010, 12, 1471.	2.1	14
69	A stable fish reporter cell line to study estrogen receptor transactivation by environmental (xeno)estrogens. Toxicology in Vitro, 2009, 23, 1450-1454.	2.4	34
70	Extraction and purification procedures for simultaneous quantification of phenolic xenoestrogens and steroid estrogens in river sediment by gas chromatography/ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3651-3661.	1.5	17
71	Study of the chemical derivatization of zearalenone and its metabolites for gas chromatographyâ€“mass spectrometry analysis of environmental samples. Journal of Chromatography A, 2008, 1190, 307-315.	3.7	50
72	Monitoring of dioxin-like, estrogenic and anti-androgenic activities in sediments of the Bizerta lagoon (Tunisia) by means of in vitro cell-based bioassays: Contribution of low concentrations of polynuclear aromatic hydrocarbons (PAHs). Science of the Total Environment, 2008, 402, 318-329.	8.0	95

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73	Profiling of benzophenone derivatives using fish and human estrogen receptor-specific in vitro bioassays. Toxicology and Applied Pharmacology, 2008, 232, 384-395.	2.8	127
74	Preliminary investigation of multi-biomarker responses in three-spined stickleback (Gasterosteus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	2.4	89
75	Biochemical effects of nonylphenol polyethoxylate adjuvant, Diquat herbicide and their mixture on the three-spined stickleback (Gasterosteus aculeatus L.). Marine Environmental Research, 2006, 62, S29-S33.	2.5	24
76	Modulation of aromatase activity and mRNA by various selected pesticides in the human choriocarcinoma JEG-3 cell line. Toxicology, 2006, 228, 98-108.	4.2	97
77	Binding of Estrogenic Compounds to Recombinant Estrogen Receptor-Î±: Application to Environmental Analysis. Environmental Health Perspectives, 2005, 113, 278-284.	6.0	97
78	Copper-induced oxidative stress in three-spined stickleback: relationship with hepatic metal levels. Environmental Toxicology and Pharmacology, 2005, 19, 177-183.	4.0	230
79	Effects of human pharmaceuticals on cytotoxicity, EROD activity and ROS production in fish hepatocytes. Toxicology, 2004, 196, 41-55.	4.2	262
80	Assessment of Estrogen (ER) and Aryl Hydrocarbon Receptor (AhR) Mediated Activities in Organic Sediment Extracts of the Detroit River, Using In Vitro Bioassays Based on Human MELN and Teleost PLHC-1 Cell Lines. Journal of Great Lakes Research, 2004, 30, 82-92.	1.9	13
81	Evaluation of an in vitro hsp70 induction test for toxicity assessment of complex mixtures: comparison with chemical analyses and ecotoxicity tests. Ecotoxicology and Environmental Safety, 2003, 54, 92-104.	6.0	33
82	Biomarker responses in juvenile rainbow trout (Oncorhynchus mykiss) after single and combined exposure to low doses of cadmium, zinc, PCB77 and 17Î²-oestradiol. Biomarkers, 2003, 8, 491-508.	1.9	30
83	Isolation, characterization and diuron transformation capacities of a bacterial strain Arthrobacter sp. N2. Chemosphere, 2002, 46, 527-534.	8.2	61
84	Biotransformation of phenylurea herbicides by a soil bacterial strain, Arthrobacter sp. N2: structure, ecotoxicity and fate of diuron metabolite with soil fungi. Chemosphere, 2002, 46, 519-526.	8.2	128
85	Activation of the hsp70 promoter by environmental inorganic and organic chemicals: relationships with cytotoxicity and lipophilicity. Toxicology, 2000, 145, 147-157.	4.2	126
86	Use of Transepithelial Electrical Resistance in the Study of Pentachlorophenol Toxicity. Toxicology in Vitro, 1999, 13, 723-727.	2.4	19
87	Use of the CaCo-2 Model in the Screening of Polluting Substance Toxicity. Toxicology in Vitro, 1999, 13, 719-722.	2.4	9