

Ester Heath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1799009/publications.pdf>

Version: 2024-02-01

98
papers

5,536
citations

76294

40
h-index

82499

72
g-index

101
all docs

101
docs citations

101
times ranked

6648
citing authors

#	ARTICLE	IF	CITATIONS
1	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <i>Science of the Total Environment</i> , 2019, 655, 986-1008.	3.9	515
2	Use of hydrodynamic cavitation in (waste)water treatment. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 577-588.	3.8	232
3	Removal of pharmaceuticals from wastewater by biological processes, hydrodynamic cavitation and UV treatment. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1104-1112.	3.8	219
4	Fate of Carbamazepine during Water Treatment. <i>Environmental Science & Technology</i> , 2009, 43, 6256-6261.	4.6	202
5	Determination of UV filters and antimicrobial agents in environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1343-1350.	1.9	199
6	Occurrence, fate and determination of cytostatic pharmaceuticals in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1065-1087.	5.8	198
7	Determination of non-steroidal anti-inflammatory drug (NSAIDs) residues in water samples. <i>Environment International</i> , 2005, 31, 679-685.	4.8	188
8	Ecotoxicity of carbamazepine and its UV photolysis transformation products. <i>Science of the Total Environment</i> , 2013, 443, 870-876.	3.9	159
9	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020, 115, 109-120.	1.7	154
10	Combination of in vitro bioassays for the determination of cytotoxic and genotoxic potential of wastewater, surface water and drinking water samples. <i>Chemosphere</i> , 2009, 75, 1453-1460.	4.2	147
11	Urinary BPA measurements in children and mothers from six European member states: Overall results and determinants of exposure. <i>Environmental Research</i> , 2015, 141, 77-85.	3.7	143
12	Antiviral drugs in aquatic environment and wastewater treatment plants: A review on occurrence, fate, removal and ecotoxicity. <i>Science of the Total Environment</i> , 2020, 699, 134322.	3.9	136
13	Influence of pharmaceutical residues on the structure of activated sludge bacterial communities in wastewater treatment bioreactors. <i>Water Research</i> , 2008, 42, 4578-4588.	5.3	134
14	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , 2016, 219, 275-287.	3.7	125
15	Removal of pharmaceutical residues in a pilot wastewater treatment plant. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1379-1387.	1.9	122
16	Fluorouracil in the environment: Analysis, occurrence, degradation and transformation. <i>Journal of Chromatography A</i> , 2013, 1290, 62-72.	1.8	117
17	The occurrence and source identification of bisphenol compounds in wastewaters. <i>Science of the Total Environment</i> , 2018, 616-617, 744-752.	3.9	96
18	Rotation generator of hydrodynamic cavitation for water treatment. <i>Separation and Purification Technology</i> , 2013, 118, 415-423.	3.9	82

#	ARTICLE	IF	CITATIONS
19	Assessment of toxicity and genotoxicity of low doses of 5-fluorouracil in zebrafish (<i>Danio rerio</i>) two-generation study. <i>Water Research</i> , 2015, 77, 201-212.	5.3	81
20	Mass spectrometry for identifying pharmaceutical biotransformation products in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 1076-1085.	5.8	80
21	Shear-induced hydrodynamic cavitation as a tool for pharmaceutical micropollutants removal from urban wastewater. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1213-1221.	3.8	78
22	Occurrence of cyclophosphamide and ifosfamide in aqueous environment and their removal by biological and abiotic wastewater treatment processes. <i>Science of the Total Environment</i> , 2015, 527-528, 465-473.	3.9	76
23	Applications of mass spectrometry to identifying pharmaceutical transformation products in water treatment. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 807-820.	5.8	75
24	The occurrence of contaminants of emerging concern in Slovenian and Croatian wastewaters and receiving Sava river. <i>Science of the Total Environment</i> , 2019, 650, 2446-2453.	3.9	75
25	Determination of NSAIDs in river sediment samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1337-1342.	1.9	72
26	Cytotoxicity and genotoxicity of anticancer drug residues and their mixtures in experimental model with zebrafish liver cells. <i>Science of the Total Environment</i> , 2017, 601-602, 293-300.	3.9	70
27	In vitro Phase I and Phase II metabolism of $\hat{I}\pm$ -pyrrolidinovalerophenone ($\hat{I}\pm$ -PVP), methylenedioxypyrovalerone (MDPV) and methedrone by human liver microsomes and human liver cytosol. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5803-5816.	1.9	67
28	Metabolism studies of diclofenac and clofibric acid in activated sludge bioreactors using liquid chromatography with quadrupole \hat{a} € time-of-flight mass spectrometry. <i>Journal of Hydrology</i> , 2009, 372, 109-117.	2.3	64
29	Determination of Bisphenols and Related Compounds in Honey and Their Migration from Selected Food Contact Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8866-8875.	2.4	60
30	Biomarkers of exposure in environment-wide association studies \hat{a} € Opportunities to decode the exposome using human biomonitoring data. <i>Environmental Research</i> , 2018, 164, 597-624.	3.7	60
31	Ecotoxicity and genotoxicity of cyclophosphamide, ifosfamide, their metabolites/transformation products and their mixtures. <i>Environmental Pollution</i> , 2016, 210, 192-201.	3.7	56
32	Mercury, selenium, PCBs and fatty acids in fresh and canned fish available on the Slovenian market. <i>Food Chemistry</i> , 2011, 124, 711-720.	4.2	55
33	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. <i>Environment International</i> , 2020, 144, 106035.	4.8	55
34	Biotransformation study of antidepressant sertraline and its removal during biological wastewater treatment. <i>Water Research</i> , 2020, 181, 115864.	5.3	48
35	Fate and effects of the residues of anticancer drugs in the environment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14687-14691.	2.7	47
36	Second interlaboratory exercise on non-steroidal anti-inflammatory drug analysis in environmental aqueous samples. <i>Talanta</i> , 2010, 81, 1189-1196.	2.9	45

#	ARTICLE	IF	CITATIONS
37	Trace analysis of benzophenone-derived compounds in surface waters and sediments using solid-phase extraction and microwave-assisted extraction followed by gas chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3179-3190.	1.9	45
38	The use of quadrupole-time-of-flight mass spectrometer for the elucidation of diclofenac biotransformation products in wastewater. <i>Journal of Chromatography A</i> , 2008, 1215, 57-63.	1.8	44
39	Fate of citalopram during water treatment with O ₃ , ClO ₂ , UV and fenton oxidation. <i>Chemosphere</i> , 2012, 89, 129-135.	4.2	43
40	Seasonal and spatial variations in the occurrence, mass loadings and removal of compounds of emerging concern in the Slovene aqueous environment and environmental risk assessment. <i>Environmental Pollution</i> , 2018, 242, 143-154.	3.7	42
41	Toxicity of the mixture of selected antineoplastic drugs against aquatic primary producers. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14780-14790.	2.7	40
42	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , 2021, 195, 116983.	5.3	40
43	Evaluation of acute and chronic ecotoxicity of cyclophosphamide, ifosfamide, their metabolites/transformation products and UV treated samples. <i>Environmental Pollution</i> , 2018, 233, 356-363.	3.7	39
44	Determination and photodegradation of sertraline residues in aqueous environment. <i>Environmental Pollution</i> , 2020, 256, 113431.	3.7	37
45	Application of complementary mass spectrometric techniques to the identification of ketoprofen phototransformation products. <i>Journal of Mass Spectrometry</i> , 2011, 46, 391-401.	0.7	36
46	Microalgae-based removal of contaminants of emerging concern: Mechanisms in <i>Chlorella vulgaris</i> and mixed algal-bacterial cultures. <i>Journal of Hazardous Materials</i> , 2021, 418, 126284.	6.5	35
47	Human metabolites and transformation products of cyclophosphamide and ifosfamide: analysis, occurrence and formation during abiotic treatments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11209-11223.	2.7	34
48	Urinary bisphenol A in children, mothers and fathers from Slovenia: Overall results and determinants of exposure. <i>Environmental Research</i> , 2019, 168, 32-40.	3.7	34
49	Effects of different compost amendments on the abundance and composition of alkB harboring bacterial communities in a soil under industrial use contaminated with hydrocarbons. <i>Frontiers in Microbiology</i> , 2014, 5, 96.	1.5	33
50	Photochemical degradation of BPF, BPS and BPZ in aqueous solution: Identification of transformation products and degradation kinetics. <i>Science of the Total Environment</i> , 2019, 664, 595-604.	3.9	31
51	Photolytic fate and genotoxicity of benzophenone-derived compounds and their photodegradation mixtures in the aqueous environment. <i>Chemosphere</i> , 2016, 147, 114-123.	4.2	30
52	Disk-based solid phase extraction for the determination of diclofenac and steroidal estrogens E1, E2 and EE2 listed in the WFD watch list by GC–MS. <i>Science of the Total Environment</i> , 2017, 590-591, 832-837.	3.9	29
53	Removal of selected emerging micropollutants from wastewater treatment plant effluent by advanced non-oxidative treatment - A lab-scale case study from Serbia. <i>Science of the Total Environment</i> , 2021, 765, 142764.	3.9	28
54	A complex investigation of the extent of pollution in sediments of the Sava River: part 2: persistent organic pollutants. <i>Environmental Monitoring and Assessment</i> , 2010, 163, 277-293.	1.3	26

#	ARTICLE	IF	CITATIONS
55	Stability, biological treatment and UV photolysis of 18 bisphenols under laboratory conditions. <i>Environmental Research</i> , 2019, 179, 108738.	3.7	25
56	Analytical strategies for the determination of antiviral drugs in the aquatic environment. <i>Trends in Environmental Analytical Chemistry</i> , 2019, 24, e00071.	5.3	25
57	Aerobic activated sludge transformation of vincristine and identification of the transformation products. <i>Science of the Total Environment</i> , 2018, 610-611, 892-904.	3.9	24
58	Dynamics of steroid estrogen daily concentrations in hospital effluent and connected waste water treatment plant. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2221.	2.1	22
59	PCB accumulation and tissue distribution in cave salamander (<i>Proteus anguinus anguinus</i> , Amphibia.) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i> 987-993.	4.2	22
60	The migration of bisphenols from beverage cans and reusable sports bottles. <i>Food Chemistry</i> , 2020, 331, 127326.	4.2	22
61	The removal of bisphenols and other contaminants of emerging concern by hydrodynamic cavitation: From lab-scale to pilot-scale. <i>Science of the Total Environment</i> , 2020, 743, 140724.	3.9	22
62	Tools for evaluating selective serotonin re-uptake inhibitor residues as environmental contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 832-847.	5.8	20
63	Determination of estrogenic potential in waste water without sample extraction. <i>Journal of Hazardous Materials</i> , 2013, 260, 527-533.	6.5	20
64	Investigation of neonicotinoid pesticides in Slovenian honey by LC-MS/MS. <i>LWT - Food Science and Technology</i> , 2019, 104, 45-52.	2.5	20
65	Molecularly Imprinted Polymers for the Removal of Antide-Pressants from Contaminated Wastewater. <i>Polymers</i> , 2021, 13, 120.	2.0	20
66	Inter-laboratory exercise on steroid estrogens in aqueous samples. <i>Environmental Pollution</i> , 2010, 158, 658-662.	3.7	19
67	Determination of vinblastine in tumour tissue with liquid chromatography-hi high resolution mass spectrometry. <i>Talanta</i> , 2013, 116, 887-893.	2.9	19
68	Kinetics and biotransformation products of bisphenol F and S during aerobic degradation with activated sludge. <i>Journal of Hazardous Materials</i> , 2021, 404, 124079.	6.5	19
69	Biodegradation of chlorinated alkanes and their commercial mixtures by <i>Pseudomonas</i> sp. strain 273. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 197-207.	1.4	18
70	Phycoremediation of municipal wastewater: Removal of nutrients and contaminants of emerging concern. <i>Science of the Total Environment</i> , 2021, 782, 146949.	3.9	18
71	Integration of GC-MSD and ER-Calux® assay into a single protocol for determining steroid estrogens in environmental samples. <i>Science of the Total Environment</i> , 2011, 409, 5069-5075.	3.9	16
72	The effects of bisphenol A, F and their mixture on algal and cyanobacterial growth: from additivity to antagonism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3445-3454.	2.7	16

#	ARTICLE	IF	CITATIONS
73	Suspect and untargeted screening of bisphenol S metabolites produced by in vitro human liver metabolism. <i>Toxicology Letters</i> , 2018, 295, 115-123.	0.4	15
74	Determination of Neonicotinoid Pesticides in Propolis with Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Molecules</i> , 2020, 25, 5870.	1.7	15
75	Occurrence, fate and determination of tobacco (nicotine) and alcohol (ethanol) residues in waste- and environmental waters. <i>Trends in Environmental Analytical Chemistry</i> , 2022, 34, e00164.	5.3	14
76	Sedimentary Record of Polycyclic Aromatic Hydrocarbons in the Gulf of Trieste (Northern Adriatic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	13
77	Determination of 18 bisphenols in aqueous and biomass phase of high rate algal ponds: Development, validation and application. <i>Chemosphere</i> , 2021, 271, 129786.	4.2	13
78	Investigation of drugs of abuse in educational institutions using wastewater analysis. <i>Science of the Total Environment</i> , 2021, 799, 150013.	3.9	12
79	Site- and event-specific wastewater-based epidemiology: Current status and future perspectives. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00105.	5.3	10
80	Characterization of polychlorinated alkane mixturesâ€™a Monte Carlo modeling approach. <i>Biodegradation</i> , 2007, 18, 703-717.	1.5	9
81	Validation challenges in liquid chromatography-tandem mass spectrometry methods for the analysis of naturally occurring compounds in foodstuffs. <i>Food Chemistry</i> , 2019, 294, 46-55.	4.2	9
82	Risk characterization of bisphenol-A in the Slovenian population starting from human biomonitoring data. <i>Environmental Research</i> , 2019, 170, 293-300.	3.7	9
83	First inter-laboratory comparison exercise for the determination of anticancer drugs in aqueous samples. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14692-14704.	2.7	8
84	Removal and fate of 18 bisphenols in lab-scale algal bioreactors. <i>Science of the Total Environment</i> , 2022, 804, 149878.	3.9	8
85	Biodegradability of the anticancer drug etoposide and identification of the transformation products. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14706-14717.	2.7	7
86	The Challenge of the Identification and Quantification of Transformation Products in the Aquatic Environment Using High Resolution Mass Spectrometry. <i>Environmental Pollution</i> , 2010, , 195-211.	0.4	7
87	Degradation of bisphenol A and S in wastewater during cold atmospheric pressure plasma treatment. <i>Science of the Total Environment</i> , 2022, 837, 155707.	3.9	6
88	Lipid Biomarkers and Their Stable Carbon Isotopes in Oxic and Anoxic Sediments of Lake Bled (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	5
89	Insight into selected emerging micropollutant interactions with wastewater colloidal organic carbon: implications for water treatment and analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59368-59381.	2.7	4
90	Sources, Occurrence and Fate of Halogenated Heterocyclic Pharmaceuticals in the Environment. <i>Topics in Heterocyclic Chemistry</i> , 2011, , 247-268.	0.2	3

#	ARTICLE	IF	CITATIONS
91	Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. Environmental Science and Pollution Research, 2021, 28, 58958-58968.	2.7	3
92	Influence of water matrix on benzophenone degradation by UV-irradiation. Journal of the Serbian Chemical Society, 2019, 84, 623-632.	0.4	3
93	Removal of 18 bisphenols co-present in aqueous media by effectively immobilized titania photocatalyst. Journal of Environmental Chemical Engineering, 2021, 9, 106814.	3.3	3
94	Enantiomeric profiling of amphetamines in wastewater using chiral derivatisation with gas chromatographic-tandem mass spectrometric detection. Science of the Total Environment, 2022, 835, 155594.	3.9	3
95	Analysis, Occurrence, and Fate of Cyclophosphamide and Ifosfamide in Aqueous Environment. , 2020, , 259-291.		2
96	5-Fluorouracil and Its Prodrug Capecitabine: Occurrence, Fate and Effects in the Environment. , 2020, , 331-375.		1
97	Sarib. , 2010, , 389-428.		0
98	(Invited) The Removal of Contaminants of Emerging Concern from Wastewater: From Lab-Scale to Pilot-Scale. ECS Meeting Abstracts, 2021, MA2021-02, 674-674.	0.0	0