

# Ettore Zuccato

## List of Publications by Year in descending order

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117  
papers

11,555  
citations

44444

50  
h-index

34195

103  
g-index

146  
all docs

146  
docs citations

146  
times ranked

10442  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 RNA in urban wastewater samples to monitor the COVID-19 pandemic in Lombardy, Italy (March-June 2020). <i>Science of the Total Environment</i> , 2022, 806, 150816.	3.9	17
2	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. <i>Environmental Science and Technology Letters</i> , 2022, 9, 57-63.	3.9	27
3	Nationwide investigation on the use of new psychoactive substances in Italy through urban wastewater analysis. <i>Science of the Total Environment</i> , 2022, 843, 156982.	3.9	11
4	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. <i>Water Research</i> , 2021, 193, 116891.	5.3	34
5	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , 2021, 195, 116983.	5.3	40
6	First comprehensive study of alcohol consumption in Italy using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 776, 145863.	3.9	9
7	Changes in drug use in European cities during early COVID-19 lockdowns – A snapshot from wastewater analysis. <i>Environment International</i> , 2021, 153, 106540.	4.8	47
8	Carbamazepine Levels Related to the Demographic Indicators in Groundwater of Densely Populated Area. <i>Water (Switzerland)</i> , 2021, 13, 2539.	1.2	9
9	Wastewater-based epidemiology as a novel tool to evaluate human exposure to pesticides: Triazines and organophosphates as case studies. <i>Science of the Total Environment</i> , 2021, 793, 148618.	3.9	18
10	A multi-residue analytical method for extraction and analysis of pharmaceuticals and other selected emerging contaminants in sewage sludge. <i>Analytical Methods</i> , 2021, 13, 526-535.	1.3	11
11	Use of legal and illegal substances in Malé (Republic of Maldives) assessed by wastewater analysis. <i>Science of the Total Environment</i> , 2020, 698, 134207.	3.9	32
12	Wastewater-based epidemiology for tracking human exposure to mycotoxins. <i>Journal of Hazardous Materials</i> , 2020, 382, 121108.	6.5	36
13	Micropollutants in Lake Como water in the context of circular economy: A snapshot of water cycle contamination in a changing pollution scenario. <i>Journal of Hazardous Materials</i> , 2020, 384, 121441.	6.5	39
14	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
15	Monitoring caffeine and nicotine use in a nationwide study in Italy using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2020, 747, 141331.	3.9	23
16	Pharmaceuticals and other contaminants in waters and sediments from Augusta Bay (southern Italy). <i>Science of the Total Environment</i> , 2020, 739, 139827.	3.9	39
17	Testing urban wastewater to assess compliance with prescription data through wastewater-based epidemiology: First case study in Italy. <i>Science of the Total Environment</i> , 2020, 739, 139741.	3.9	26
18	Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters. <i>Water Research</i> , 2020, 175, 115653.	5.3	36

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19	Assessment of human exposure to selected pesticides in Norway by wastewater analysis. <i>Science of the Total Environment</i> , 2020, 723, 138132.	3.9	32
20	Wastewater-based epidemiology to assess the occurrence of new psychoactive substances and alcohol consumption in Slovakia. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110762.	2.9	31
21	Risk assessment of a mixture of emerging contaminants in surface water in a highly urbanized area in Italy. <i>Journal of Hazardous Materials</i> , 2019, 361, 103-110.	6.5	129
22	Drug Use by Music Festival Attendees: A Novel Triangulation Approach Using Self-Reported Data and Test Results of Oral Fluid and Pooled Urine Samples. <i>Substance Use and Misuse</i> , 2019, 54, 2317-2327.	0.7	8
23	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. <i>Science of the Total Environment</i> , 2019, 689, 679-690.	3.9	35
24	Simultaneous determination of new psychoactive substances and illicit drugs in sewage: Potential of micro-liquid chromatography tandem mass spectrometry in wastewater-based epidemiology. <i>Journal of Chromatography A</i> , 2019, 1602, 300-309.	1.8	41
25	Illicit drugs in drinking water. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 92-97.	2.1	20
26	Data on occurrence and fate of emerging contaminants in a urbanised area. <i>Data in Brief</i> , 2018, 17, 533-543.	0.5	26
27	Monitoring emerging contaminants in the drinking water of Milan and assessment of the human risk. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 451-457.	2.1	101
28	Mass balance of emerging contaminants in the water cycle of a highly urbanized and industrialized area of Italy. <i>Water Research</i> , 2018, 131, 287-298.	5.3	89
29	Illicit drugs and pharmaceuticals in swimming pool waters. <i>Science of the Total Environment</i> , 2018, 635, 956-963.	3.9	20
30	Recent advances in analytical methods for the determination of 4-alkylphenols and bisphenol A in solid environmental matrices: A critical review. <i>Analytica Chimica Acta</i> , 2018, 1024, 39-51.	2.6	41
31	Personal care products in surface, ground and wastewater of a complex aquifer system, a potential planning tool for contemporary urban settings. <i>Journal of Environmental Management</i> , 2018, 214, 76-85.	3.8	21
32	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. <i>Mass Spectrometry Reviews</i> , 2018, 37, 258-280.	2.8	95
33	Enantiomeric profiling of chiral illicit drugs in a pan-European study. <i>Water Research</i> , 2018, 130, 151-160.	5.3	83
34	Quasi-SMILES as a tool to predict removal rates of pharmaceuticals and dyes in sewage. <i>Chemical Engineering Research and Design</i> , 2018, 118, 227-233.	2.7	11
35	Exposure of an urban population to pesticides assessed by wastewater-based epidemiology in a Caribbean island. <i>Science of the Total Environment</i> , 2018, 644, 129-136.	3.9	27
36	Wastewater-Based Epidemiology as a Novel Biomonitoring Tool to Evaluate Human Exposure To Pollutants. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10224-10226.	4.6	49

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37	Monitoring MDMA metabolites in urban wastewater as novel biomarkers of consumption. <i>Water Research</i> , 2017, 115, 1-8.	5.3	18
38	Wastewater-based epidemiology to assess human exposure to pyrethroid pesticides. <i>Environment International</i> , 2017, 99, 213-220.	4.8	65
39	Wastewater-based epidemiology to assess pan-European pesticide exposure. <i>Water Research</i> , 2017, 121, 270-279.	5.3	110
40	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. <i>Environmental Research</i> , 2017, 156, 31-38.	3.7	66
41	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. <i>Environment International</i> , 2017, 99, 131-150.	4.8	209
42	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. <i>Science of the Total Environment</i> , 2017, 609, 1582-1588.	3.9	87
43	Illicit drug consumption in school populations measured by wastewater analysis. <i>Drug and Alcohol Dependence</i> , 2017, 178, 285-290.	1.6	22
44	Liquid chromatography-tandem mass spectrometry determination of synthetic cathinones and phenethylamines in influent wastewater of eight European cities. <i>Chemosphere</i> , 2017, 168, 1032-1041.	4.2	82
45	Source discrimination of drug residues in wastewater: The case of salbutamol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1023-1024, 62-67.	1.2	19
46	Screening new psychoactive substances in urban wastewater using high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4297-4309.	1.9	52
47	Refining correction factors for back-calculation of illicit drug use. <i>Science of the Total Environment</i> , 2016, 573, 1648-1659.	3.9	107
48	Wastewater-Based Epidemiology To Monitor Synthetic Cathinones Use in Different European Countries. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10089-10096.	4.6	83
49	Monitoring population exposure to pesticides based on liquid chromatography-tandem mass spectrometry measurement of their urinary metabolites in urban wastewater: A novel biomonitoring approach. <i>Science of the Total Environment</i> , 2016, 571, 1349-1357.	3.9	66
50	Wastewater-based epidemiological evaluation of the effect of air pollution on short-acting beta-agonist consumption for acute asthma treatment. <i>Environmental Research</i> , 2016, 150, 106-111.	3.7	27
51	Illicit drug consumption estimated by wastewater analysis in different districts of Milan: A case study. <i>Drug and Alcohol Review</i> , 2016, 35, 128-132.	1.1	12
52	Population surveys compared with wastewater analysis for monitoring illicit drug consumption in Italy in 2010–2014. <i>Drug and Alcohol Dependence</i> , 2016, 161, 178-188.	1.6	53
53	A nuanced picture of illicit drug use in 17 Italian cities through functional principal component analysis of temporal wastewater data. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2016, 24, 165-174.	0.8	1
54	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. <i>Journal of Hazardous Materials</i> , 2016, 302, 332-340.	6.5	34

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55	Wastewater analysis to monitor use of caffeine and nicotine and evaluation of their metabolites as biomarkers for population size assessment. <i>Water Research</i> , 2015, 74, 23-33.	5.3	163
56	Realistic mixture of illicit drugs impaired the oxidative status of the zebra mussel ( <i>Dreissena</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 702 T	4.2	37
57	Alcohol and cocaine co-consumption in two European cities assessed by wastewater analysis. <i>Science of the Total Environment</i> , 2015, 536, 91-98.	3.9	78
58	Wastewater Analysis to Monitor Spatial and Temporal Patterns of Use of Two Synthetic Recreational Drugs, Ketamine and Mephedrone, in Italy. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5563-5570.	4.6	63
59	Prioritization and analysis of pharmaceuticals for human use contaminating the aquatic ecosystem in Italy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 71-78.	1.4	43
60	A novel approach for monitoring tobacco use in local communities by wastewater analysis. <i>Tobacco Control</i> , 2015, 24, 38-42.	1.8	135
61	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. <i>Journal of Hazardous Materials</i> , 2015, 282, 51-60.	6.5	142
62	Presence of Illicit Drugs in the Sarno River (Campania Region, Italy). <i>Pharmacology &amp; Pharmacy</i> , 2014, 05, 755-761.	0.2	1
63	The biofiltration process by the bivalve <i>D. polymorpha</i> for the removal of some pharmaceuticals and drugs of abuse from civil wastewaters. <i>Ecological Engineering</i> , 2014, 71, 710-721.	1.6	41
64	Sewage epidemiology and illicit drug research: The development of ethical research guidelines. <i>Science of the Total Environment</i> , 2014, 472, 550-555.	3.9	62
65	Evaluation of Uncertainties Associated with the Determination of Community Drug Use through the Measurement of Sewage Drug Biomarkers. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1452-1460.	4.6	320
66	Changes in illicit drug consumption patterns in 2009 detected by wastewater analysis. <i>Drug and Alcohol Dependence</i> , 2011, 118, 464-469.	1.6	88
67	Identification of cocaine and its metabolites in urban wastewater and comparison with the human excretion profile in urine. <i>Water Research</i> , 2011, 45, 5141-5150.	5.3	95
68	Illicit drug consumption estimations derived from wastewater analysis: A critical review. <i>Science of the Total Environment</i> , 2011, 409, 3564-3577.	3.9	335
69	The effect of waste combustion on the occurrence of polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and polychlorinated biphenyls (PCBs) in breast milk in Italy. <i>Chemosphere</i> , 2011, 82, 1-8.	4.2	44
70	PCDD/Fs and dioxin-like PCBs in human milk and estimation of infants's™ daily intake: A review. <i>Chemosphere</i> , 2011, 83, 774-782.	4.2	81
71	Illicit Drugs as Emerging Contaminants. <i>ACS Symposium Series</i> , 2010, , 119-136.	0.5	4
72	Illicit drugs in the environment: Emerging contaminants and indicators of drug abuse. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 186-187.	1.6	8

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73	Source, occurrence and fate of antibiotics in the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , 2010, 179, 1042-1048.	6.5	419
74	Polychlorobiphenyls (PCBs), polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in fruit and vegetables from an industrial area in northern Italy. <i>Chemosphere</i> , 2010, 79, 292-298.	4.2	48
75	Illicit drugs in the environment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3965-3978.	1.6	96
76	Mass spectrometric analysis of illicit drugs in wastewater and surface water. <i>Mass Spectrometry Reviews</i> , 2008, 27, 378-394.	2.8	127
77	Illicit drugs, a novel group of environmental contaminants. <i>Water Research</i> , 2008, 42, 961-968.	5.3	257
78	Novel homologs of the multiple resistance regulator marA in antibiotic-contaminated environments. <i>Water Research</i> , 2008, 42, 4271-4280.	5.3	50
79	First interlaboratory exercise on non-steroidal anti-inflammatory drugs analysis in environmental samples. <i>Talanta</i> , 2008, 76, 580-590.	2.9	56
80	PCB concentrations in some foods from four European countries. <i>Food and Chemical Toxicology</i> , 2008, 46, 1062-1067.	1.8	22
81	Effects and Interactions in an Environmentally Relevant Mixture of Pharmaceuticals. <i>Toxicological Sciences</i> , 2008, 102, 129-137.	1.4	180
82	Estimating Community Drug Abuse by Wastewater Analysis. <i>Environmental Health Perspectives</i> , 2008, 116, 1027-1032.	2.8	514
83	Gene expression profiles in zebrafish ( <i>Danio rerio</i> ) liver cells exposed to a mixture of pharmaceuticals at environmentally relevant concentrations. <i>Chemosphere</i> , 2007, 70, 65-73.	4.2	53
84	Direct analysis of isopropylthioxanthone (ITX) in milk by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1998-2002.	0.7	31
85	Removal of Pharmaceuticals in Sewage Treatment Plants in Italy. <i>Environmental Science &amp; Technology</i> , 2006, 40, 357-363.	4.6	706
86	Effects of a Complex Mixture of Therapeutic Drugs at Environmental Levels on Human Embryonic Cells. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2442-2447.	4.6	417
87	Identification and Measurement of Illicit Drugs and Their Metabolites in Urban Wastewater by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 8421-8429.	3.2	392
88	Pharmaceuticals in the Environment in Italy: Causes, Occurrence, Effects and Control. <i>Environmental Science and Pollution Research</i> , 2006, 13, 15-21.	2.7	216
89	Identification of the pharmaceuticals for human use contaminating the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , 2005, 122, 205-209.	6.5	337
90	A multiresidue analytical method using solid-phase extraction and high-pressure liquid chromatography tandem mass spectrometry to measure pharmaceuticals of different therapeutic classes in urban wastewaters. <i>Journal of Chromatography A</i> , 2005, 1092, 206-215.	1.8	340

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91	Cocaine in surface waters: a new evidence-based tool to monitor community drug abuse. <i>Environmental Health</i> , 2005, 4, 14.	1.7	445
92	Antibiotics in the Environment: Occurrence in Italian STPs, Fate, and Preliminary Assessment on Algal Toxicity of Amoxicillin. <i>Environmental Science &amp; Technology</i> , 2004, 38, 6832-6838.	4.6	270
93	Methodological approaches for studying pharmaceuticals in the environment by comparing predicted and measured concentrations in River Po, Italy. <i>Regulatory Toxicology and Pharmacology</i> , 2004, 39, 25-32.	1.3	90
94	Strategic Survey of Therapeutic Drugs in the Rivers Po and Lambro in Northern Italy. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1241-1248.	4.6	557
95	Presence of therapeutic drugs in the environment. <i>Lancet</i> , The, 2000, 355, 1789-1790.	6.3	582
96	Identification and Measurement of Endogenous $\hat{1}^2$ -Oxidation Metabolites of 8-epi-Prostaglandin F $2\hat{1}\pm$ . <i>Journal of Biological Chemistry</i> , 1999, 274, 1313-1319.	1.6	88
97	Level, sources and toxicity of polychlorinated biphenyls in the Italian diet. <i>Chemosphere</i> , 1999, 38, 2753-2765.	4.2	60
98	Reduction of urinary 8-epi-prostaglandin F $2\hat{1}\pm$ during cyclo-oxygenase inhibition in rats but not in man. <i>British Journal of Pharmacology</i> , 1997, 121, 1770-1774.	2.7	42
99	Measurement of urinary 8-epi-prostaglandin f $2\hat{1}\pm$ , a novel index of lipid peroxidation in vivo, by immunoaffinity extraction/gas chromatography-mass spectrometry. Basal levels in smokers and nonsmokers. <i>Free Radical Biology and Medicine</i> , 1996, 20, 619-624.	1.3	112
100	Utility of Hydrogen and Methane Breath Tests in Combination with X-Ray Examination after a Barium Meal in the Diagnosis of Small Bowel Bacterial Overgrowth after Jejunio-Ileal Bypass for Morbid Obesity. <i>Obesity Surgery</i> , 1994, 4, 144-148.	1.1	6
101	Role of bile acids and metabolic activity of colonic bacteria in increased risk of colon cancer after cholecystectomy. <i>Digestive Diseases and Sciences</i> , 1993, 38, 514-519.	1.1	85
102	The effects of S( $\hat{a}$ ) and R(+) sulpiride, metoclopramide, cisapride and domperidone on the small intestine suggest DA $2$ -receptors are involved in the control of small intestinal transit time in rats. <i>Pharmacological Research</i> , 1992, 26, 179-185.	3.1	14
103	Indomethacin-induced enteropathy: Effect of the drug regimen on intestinal permeability in rats. <i>Agents and Actions</i> , 1992, 36, C18-C21.	0.7	4
104	High-performance liquid chromatographic determination of desmosine and isodesmosine after phenylisothiocyanate derivatization. <i>Biomedical Applications</i> , 1991, 572, 312-316.	1.7	9
105	Effect of Bile Salts on Carbonic Anhydrase from Rat and Human Gastric Mucosa. <i>Scandinavian Journal of Gastroenterology</i> , 1989, 24, 28-32.	0.6	12
106	Lactose Malabsorption and Recurrent Abdominal Pain in Italian Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1988, 7, 852-857.	0.9	19
107	Investigation on the fate of orally administered deae-dextran in rats. <i>Pharmacological Research Communications</i> , 1987, 19, 405-413.	0.2	3
108	Evidence of a lack of enteric side-effects induced by DEAE-dextran in man. <i>Pharmacological Research Communications</i> , 1987, 19, 547-553.	0.2	2

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109	Long term "marine diet" in Eskimos is not associated with altered urinary excretion of total tetranor prostaglandin metabolites. Prostaglandins, 1985, 30, 465-477.	1.2	15
110	Respiratory excretion of hydrogen and methane in Italian subjects after ingestion of lactose and milk. European Journal of Clinical Investigation, 1983, 13, 261-266.	1.7	27
111	Small-Bowel Involvement in Dermatitis Herperiformis and in Linear-IgA Bullous Dermatitis. Journal of Clinical Gastroenterology, 1983, 5, 429-436.	1.1	14
112	Gas chromatographic determination of two fluorinated benzodiazepines in rats and mice. Journal of Chromatography A, 1980, 198, 180-184.	1.8	1
113	Glc Determination Of Ethylene Dichloride (Edc) In Biological Samples. Analytical Letters, 1980, 13, 363-370.	1.0	6
114	The role of respiration in vinyl chloride monomer excretion in rats. Toxicology Letters, 1980, 5, 213-217.	0.4	0
115	Effects of chronic treatment with DI-(2-ethylhexyl) phthalate on rat liver microsomal activities. Toxicology Letters, 1980, 6, 51-58.	0.4	5
116	Head-space Gas-chromatographic Analysis of Vinyl Chloride Monomer in Rat Blood and Tissues. Xenobiotica, 1979, 9, 27-31.	0.5	3
117	Determination of papaverine in human blood by electron capture-gas liquid chromatography. Journal of Pharmacological Methods, 1978, 1, 9-12.	0.7	3