

Antonio Ginebreda

List of Publications by Year in descending order

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112
papers

8,215
citations

47006

47
h-index

46799

89
g-index

116
all docs

116
docs citations

116
times ranked

9616
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence, partition and removal of pharmaceuticals in sewage water and sludge during wastewater treatment. <i>Water Research</i> , 2011, 45, 1165-1176.	11.3	802
2	Removal of pharmaceuticals during wastewater treatment and environmental risk assessment using hazard indexes. <i>Environment International</i> , 2010, 36, 15-26.	10.0	747
3	Environmental risk assessment of pharmaceuticals in rivers: Relationships between hazard indexes and aquatic macroinvertebrate diversity indexes in the Llobregat River (NE Spain). <i>Environment International</i> , 2010, 36, 153-162.	10.0	350
4	Determination of drugs in surface water and wastewater samples by liquid chromatography-mass spectrometry: methods and preliminary results including toxicity studies with <i>Vibrio fischeri</i> . <i>Journal of Chromatography A</i> , 2001, 938, 187-197.	3.7	340
5	Why Should We Care About Temporary Waterways?. <i>Science</i> , 2014, 343, 1080-1081.	12.6	270
6	A new risk assessment approach for the prioritization of 500 classical and emerging organic microcontaminants as potential river basin specific pollutants under the European Water Framework Directive. <i>Science of the Total Environment</i> , 2011, 409, 2064-2077.	8.0	259
7	Fully automated determination of 74 pharmaceuticals in environmental and waste waters by online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry. <i>Talanta</i> , 2010, 83, 410-424.	5.5	186
8	Balancing the health benefits and environmental risks of pharmaceuticals: Diclofenac as an example. <i>Environment International</i> , 2015, 85, 327-333.	10.0	171
9	Bridging levels of pharmaceuticals in river water with biological community structure in the llobregat river basin (northeast Spain). <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2706-2714.	4.3	166
10	First determination of C60 and C70 fullerenes and N-methylfulleropyrrolidine C60 on the suspended material of wastewater effluents by liquid chromatography hybrid quadrupole linear ion trap tandem mass spectrometry. <i>Journal of Hydrology</i> , 2010, 383, 44-51.	5.4	166
11	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. <i>Science of the Total Environment</i> , 2015, 503-504, 3-9.	8.0	161
12	Presence of pyrethroid pesticides in water and sediments of Ebro River Delta. <i>Journal of Hydrology</i> , 2010, 393, 156-162.	5.4	150
13	Determination of PBDEs, HBB, PBEB, DBDPE, HBCD, TBBPA and related compounds in sewage sludge from Catalonia (Spain). <i>Science of the Total Environment</i> , 2013, 444, 51-59.	8.0	149
14	Distribution of endocrine disruptors in the Llobregat River basin (Catalonia, NE Spain). <i>Chemosphere</i> , 2005, 61, 1710-1719.	8.2	146
15	Determination of glyphosate in groundwater samples using an ultrasensitive immunoassay and confirmation by on-line solid-phase extraction followed by liquid chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2335-2345.	3.7	146
16	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , 2019, 31, .	5.5	142
17	Simultaneous occurrence of nitrates and sulfonamide antibiotics in two ground water bodies of Catalonia (Spain). <i>Journal of Hydrology</i> , 2010, 383, 93-101.	5.4	138
18	Risk assessment based prioritization of 200 organic micropollutants in 4 Iberian rivers. <i>Science of the Total Environment</i> , 2015, 503-504, 289-299.	8.0	131

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19	Occurrence and modeling of pharmaceuticals on a sewage-impacted Mediterranean river and their dynamics under different hydrological conditions. <i>Science of the Total Environment</i> , 2012, 440, 3-13.	8.0	124
20	Occurrence and fate of alkylphenols and alkylphenol ethoxylates in sewage treatment plants and impact on receiving waters along the Ter River (Catalonia, NE Spain). <i>Environmental Pollution</i> , 2008, 153, 384-392.	7.5	116
21	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , 2018, 8, 11462.	3.3	104
22	Occurrence of linear and cyclic volatile methylsiloxanes in wastewater, surface water and sediments from Catalonia. <i>Science of the Total Environment</i> , 2013, 443, 530-538.	8.0	102
23	Ecotoxicity of sediments in rivers: Invertebrate community, toxicity bioassays and the toxic unit approach as complementary assessment tools. <i>Science of the Total Environment</i> , 2016, 540, 297-306.	8.0	102
24	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. <i>Science of the Total Environment</i> , 2017, 596-597, 465-480.	8.0	102
25	Prioritization of chemicals in the aquatic environment based on risk assessment: Analytical, modeling and regulatory perspective. <i>Science of the Total Environment</i> , 2012, 440, 236-252.	8.0	99
26	Analysis and occurrence of selected medium to highly polar pesticides in groundwater of Catalonia (NE Spain): An approach based on on-line solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry detection. <i>Journal of Hydrology</i> , 2010, 383, 83-92.	5.4	98
27	Assessment of multi-chemical pollution in aquatic ecosystems using toxic units: Compound prioritization, mixture characterization and relationships with biological descriptors. <i>Science of the Total Environment</i> , 2014, 468-469, 715-723.	8.0	92
28	Integrated ecotoxicological and chemical approach for the assessment of pesticide pollution in the Ebro River delta (Spain). <i>Journal of Hydrology</i> , 2010, 383, 73-82.	5.4	91
29	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1269-1278.	11.4	91
30	Toxic Potency Assessment of Non- and Mono-orthoPCBs, PCDDs, PCDFs, and PAHs in Northwest Mediterranean Sediments (Catalonia, Spain). <i>Environmental Science & Technology</i> , 2001, 35, 3589-3594.	10.0	89
31	Wastewater toxicity screening of non-ionic surfactants by Toxalert [®] and Microtox [®] bioluminescence inhibition assays. <i>Analytica Chimica Acta</i> , 2001, 427, 181-189.	5.4	86
32	Four-year advanced monitoring program of polar pesticides in groundwater of Catalonia (NE-Spain). <i>Science of the Total Environment</i> , 2014, 470-471, 1087-1098.	8.0	86
33	Wastewater reuse in Mediterranean semi-arid areas: The impact of discharges of tertiary treated sewage on the load of polar micro pollutants in the Llobregat river (NE Spain). <i>Chemosphere</i> , 2011, 82, 670-678.	8.2	80
34	Toward an integrated assessment of the ecological and chemical status of European river basins. <i>Integrated Environmental Assessment and Management</i> , 2009, 5, 50-61.	2.9	79
35	Application of fully automated online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry for the determination of sulfonamides and their acetylated metabolites in groundwater. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 795-806.	3.7	79
36	Analysis of the occurrence and risk assessment of polar pesticides in the Llobregat River Basin (NE) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	8.2	77

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37	Chemical monitoring and occurrence of alkylphenols, alkylphenol ethoxylates, alcohol ethoxylates, phthalates and benzothiazoles in sewage treatment plants and receiving waters along the Ter River basin (Catalonia, N. E. Spain). <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 992-1000.	3.7	73
38	Investigating the formation and toxicity of nitrogen transformation products of diclofenac and sulfamethoxazole in wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2016, 309, 157-164.	12.4	72
39	Ecotoxicological risk assessment of chemical pollution in four Iberian river basins and its relationship with the aquatic macroinvertebrate community status. <i>Science of the Total Environment</i> , 2016, 540, 324-333.	8.0	71
40	Novel approach for assessing heavy metal pollution and ecotoxicological status of rivers by means of passive sampling methods. <i>Environment International</i> , 2011, 37, 671-677.	10.0	70
41	Simultaneous determination of methyl tert.-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 995, 171-184.	3.7	68
42	Water toxicity assessment and spatial pollution patterns identification in a Mediterranean River Basin District. Tools for water management and risk analysis. <i>Science of the Total Environment</i> , 2011, 409, 4269-4279.	8.0	66
43	Determination of non-ionic surfactants and polar degradation products in influent and effluent water samples and sludges of sewage treatment plants by a generic solid-phase extraction protocol. <i>Analyst</i> , 2000, 125, 1733-1739.	3.5	62
44	Environmental stressors as a driver of the trait composition of benthic macroinvertebrate assemblages in polluted Iberian rivers. <i>Environmental Research</i> , 2017, 156, 485-493.	7.5	61
45	Occurrence and Elimination of Pharmaceuticals During Conventional Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2012, , 1-23.	0.4	60
46	Phase transfer catalysis using chiral catalysts. V. Asymmetric nucleophilic substitutions with C, O, N and S-anions. <i>Tetrahedron Letters</i> , 1980, 21, 3709-3712.	1.4	53
47	Comparison of different multiway methods for the analysis of geographical metal distributions in fish, sediments and river waters in Catalonia. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 88, 69-83.	3.5	51
48	Assessing the effects of tertiary treated wastewater reuse on the presence emerging contaminants in a Mediterranean river (Llobregat, NE Spain). <i>Environmental Science and Pollution Research</i> , 2012, 19, 1000-1012.	5.3	51
49	Comparing the response of biochemical indicators (biomarkers) and biological indices to diagnose the ecological impact of an oil spillage in a Mediterranean river (NE Catalunya, Spain). <i>Chemosphere</i> , 2007, 66, 1206-1216.	8.2	46
50	Toxicity tests in wastewater and drinking water treatment processes: A complementary assessment tool to be on your radar. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104262.	6.7	45
51	Multiple stressor effects on river biofilms under different hydrological conditions. <i>Freshwater Biology</i> , 2016, 61, 2102-2115.	2.4	43
52	A New Method for the Generation of Dichlorocarbene using Solid-Liquid Phase-Transfer Catalysis. <i>Synthesis</i> , 1977, 1977, 682-683.	2.3	42
53	Priority and emerging organic microcontaminants in three Mediterranean river basins: Occurrence, spatial distribution, and identification of river basin specific pollutants. <i>Science of the Total Environment</i> , 2021, 754, 142344.	8.0	42
54	Pharmaceuticals on a sewage impacted section of a Mediterranean River (Llobregat River, NE Spain) and their relationship with hydrological conditions. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1013-1025.	5.3	41

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55	MALDI-TOF MS Imaging evidences spatial differences in the degradation of solid polycaprolactone diol in water under aerobic and denitrifying conditions. <i>Science of the Total Environment</i> , 2016, 566-567, 27-33.	8.0	41
56	Investigative monitoring of pesticide and nitrogen pollution sources in a complex multi-stressed catchment: The lower Llobregat River basin case study (Barcelona, Spain). <i>Science of the Total Environment</i> , 2021, 755, 142377.	8.0	37
57	Chemometrics modelling of organic contaminants in fish and sediment river samples. <i>Science of the Total Environment</i> , 2006, 371, 223-237.	8.0	35
58	Analysis of monitoring programmes and their suitability for ecotoxicological risk assessment in four Spanish basins. <i>Science of the Total Environment</i> , 2012, 440, 194-203.	8.0	35
59	Hydrological variation modulates pharmaceutical levels and biofilm responses in a Mediterranean river. <i>Science of the Total Environment</i> , 2014, 472, 1052-1061.	8.0	34
60	Emission factor estimation of ca. 160 emerging organic microcontaminants by inverse modeling in a Mediterranean river basin (Llobregat, NE Spain). <i>Science of the Total Environment</i> , 2015, 520, 241-252.	8.0	31
61	River pollution by priority chemical substances under the Water Framework Directive: A provisional pan-European assessment. <i>Science of the Total Environment</i> , 2019, 662, 434-445.	8.0	30
62	Phase-transfer catalysis using chiral catalysts. Synthesis of optically active 2-phthalimido-esters. <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 742-743.	2.0	29
63	Phase-transfer catalysis using chiral catalysts. Influence of the structure of the catalyst on stereoselectivity. Part 3. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1981, , 574-577.	0.9	29
64	Transport of sediment borne contaminants in a Mediterranean river during a high flow event. <i>Science of the Total Environment</i> , 2018, 633, 1392-1402.	8.0	29
65	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013, 719, 427-450.	2.0	28
66	Asymmetric induction by phase-transfer catalysis using chiral catalysts. Synthesis of 1,2-dichloroalkanes and acetylcyanohydrins. <i>Tetrahedron Letters</i> , 1979, 20, 2171-2174.	1.4	27
67	New indexes for compound prioritization and complexity quantification on environmental monitoring inventories. <i>Environmental Science and Pollution Research</i> , 2012, 19, 958-970.	5.3	25
68	Integration of freshwater environmental policies and wastewater treatment plant management. <i>Science of the Total Environment</i> , 2013, 445-446, 185-191.	8.0	25
69	Cross-validation of methods used for analysis of MTBE and other gasoline components in groundwater. <i>Chromatographia</i> , 2002, 56, 739-744.	1.3	24
70	Are pesticide residues associated to rice production affecting oyster production in Delta del Ebro, NE Spain?. <i>Science of the Total Environment</i> , 2012, 437, 209-218.	8.0	24
71	Integrated Risk Index of Chemical Aquatic Pollution (IRICAP): Case studies in Iberian rivers. <i>Journal of Hazardous Materials</i> , 2013, 263, 187-196.	12.4	22
72	Prioritisation of water pollutants: the EU Project SOLUTIONS proposes a methodological framework for the integration of mixture risk assessments into prioritisation procedures under the European Water Framework Directive. <i>Environmental Sciences Europe</i> , 2019, 31, .	5.5	22

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73	Integrated risk assessment for WFD ecological status classification applied to Llobregat river basin (Spain). Part I – Fuzzy approach to aggregate biological indicators. <i>Science of the Total Environment</i> , 2011, 409, 4701-4712.	8.0	21
74	Fuzzy logic based risk assessment of effluents from waste-water treatment plants. <i>Science of the Total Environment</i> , 2012, 439, 202-210.	8.0	20
75	Shifts of environmental and phytoplankton variables in a regulated river: A spatial-driven analysis. <i>Science of the Total Environment</i> , 2018, 642, 968-978.	8.0	20
76	Non-target protein analysis of samples from wastewater treatment plants using the regions of interest-multivariate curve resolution (ROIMCR) chemometrics method. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105752.	6.7	20
77	Survey of Ground Water Pesticide Pollution on Rural Areas of Catalonia (Spain). <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 51-65.	3.3	19
78	Integrated Risk Assessment for WFD Ecological Status classification applied to Llobregat river basin (Spain). Part II – Evaluation process applied to five environmental Lines of Evidence. <i>Science of the Total Environment</i> , 2011, 409, 4681-4692.	8.0	19
79	Contaminants of Emerging Concern (CECs): Occurrence and Fate in Aquatic Ecosystems. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13401.	2.6	19
80	Evaluation of 4-Nitrophenol ELISA Kit for Assessing the Origin of Organic Pollution in Wastewater Treatment Works. <i>Environmental Science & Technology</i> , 1999, 33, 3898-3904.	10.0	18
81	The response patterns of stream biofilms to urban sewage change with exposure time and dilution. <i>Science of the Total Environment</i> , 2019, 674, 401-411.	8.0	17
82	Crystal structure and spectroscopic study of 2-[(2,6-dichlorophenyl)amino]phenylacetoxyacetic acid (Aceclofenac). <i>Journal of Crystallographic and Spectroscopic Research</i> , 1992, 22, 323-328.	0.2	16
83	Retrospective mass spectrometric analysis of wastewater-fed mesocosms to assess the degradation of drugs and their human metabolites. <i>Journal of Hazardous Materials</i> , 2021, 408, 124984.	12.4	16
84	Organic carbon content effects on bioavailability of pyrethroid insecticides and validation of Solid Phase Extraction with Poly (2,6-diphenyl-p-phenylene oxide) Polymer by <i>Daphnia magna</i> toxicity tests. <i>Science of the Total Environment</i> , 2013, 442, 497-502.	8.0	14
85	Multivariate Exploratory Data Analysis of the Organic Micropollutants Found in the Llobregat River (Catalonia, Spain). <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 81, 295-313.	3.3	13
86	Using MALDI-TOF MS imaging and LC-HRMS for the investigation of the degradation of polycaprolactone diol exposed to different wastewater treatments. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5401-5411.	3.7	12
87	Quantitation of volatile sulphur compounds in polluted waters. <i>Journal of Chromatography A</i> , 1997, 778, 329-335.	3.7	11
88	TAXONOMIC POTENTIAL OF THE CHEMICAL CONSTITUENTS IN THE CEPHALIC MARKING SECRETIONS OF BOMBUS AND PSITHYRUS SPECIES (HYMENOPTERA, APIDAE) : A NUMERICAL TAXONOMIC STUDY. <i>Apidologie</i> , 1987, 18, 231-242.	2.0	8
89	Prioritization. <i>Comprehensive Analytical Chemistry</i> , 2013, 62, 71-90.	1.3	8
90	Occurrence of regulated pollutants in populated Mediterranean basins: Ecotoxicological risk and effects on biological quality. <i>Science of the Total Environment</i> , 2020, 747, 141224.	8.0	8

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91	Comparing Chemical and Ecological Status in Catalan Rivers: Analysis of River Quality Status Following the Water Framework Directive. Handbook of Environmental Chemistry, 2012, , 243-265.	0.4	7
92	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
93	Sources, Occurrence, and Environmental Risk Assessment of Pharmaceuticals in the Ebro River Basin. Handbook of Environmental Chemistry, 2010, , 209-237.	0.4	6
94	Quality assessment of river waters using risk indexes for substances and sites, based on the COMMPS procedure. Journal of Environmental Monitoring, 2010, 12, 2120.	2.1	6
95	Chemometric modeling of organic contaminant sources in surface waters of a mediterranean river basin. Environmental Sciences: Processes and Impacts, 2014, 16, 124-134.	3.5	6
96	Using a polymer probe characterized by MALDI-TOF/MS to assess river ecosystem functioning: From polymer selection to field tests. Science of the Total Environment, 2016, 573, 532-540.	8.0	6
97	Effects of Emerging Contaminants on Biodiversity, Community Structure, and Adaptation of River Biota. Handbook of Environmental Chemistry, 2015, , 79-119.	0.4	4
98	Pollutants of Emerging Concern in Rivers of Catalonia: Occurrence, Fate, and Risk. Handbook of Environmental Chemistry, 2015, , 283-320.	0.4	4
99	Occurrence and Fate of Pharmaceuticals and Illicit Drugs Under Water Scarcity. Handbook of Environmental Chemistry, 2009, , 197-228.	0.4	3
100	Wastewater Reuse in the Mediterranean Area of Catalonia, Spain: Case Study of Reuse of Tertiary Effluent from a Wastewater Treatment Plant at el Prat de Llobregat (Barcelona). Handbook of Environmental Chemistry, 2010, , 249-294.	0.4	3
101	Fate and Risks of Polar Pesticides in Groundwater Samples of Catalonia. Handbook of Environmental Chemistry, 2012, , 375-394.	0.4	3
102	Water Status Assessment in the Catalan River Basin District: Experience Gathered After 15 Years with the Water Framework Directive (WFD). Handbook of Environmental Chemistry, 2015, , 1-35.	0.4	3
103	Quantification of ecological complexity and resilience from multivariate biological metrics datasets using singular value decomposition entropy. MethodsX, 2019, 6, 1668-1676.	1.6	3
104	Pesticides at The Ebro River Delta: Occurrence and Toxicity in Water and Biota. Handbook of Environmental Chemistry, 2010, , 259-274.	0.4	2
105	Wastewater Reuse in the Llobregat: The Experience at the Prat de Llobregat Treatment Plant. Handbook of Environmental Chemistry, 2012, , 327-346.	0.4	2
106	Risk Assessment of Pollutants in the Llobregat River Basin. Handbook of Environmental Chemistry, 2012, , 263-295.	0.4	2
107	The Journey of Human Drugs from Their Design at the Bench to Their Fate in Crops. Handbook of Environmental Chemistry, 2020, , 3.	0.4	2
108	Occurrence of Persistent Organic Pollutants in the Llobregat River Basin: An Overview. Handbook of Environmental Chemistry, 2012, , 117-133.	0.4	1

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109	Contaminants of Emerging Concern in Mediterranean Watersheds. Handbook of Environmental Chemistry, 2015, , 27-45.	0.4	1
110	Characterization of Environmental Exposure: Measuring Versus Modeling. Handbook of Environmental Chemistry, 2012, , 25-46.	0.4	0
111	Response to Letter to the Editor regarding "Determination of glyphosate in groundwater samples using an ultrasensitive immunoassay and confirmation by on-line solid phase extraction followed by liquid chromatography coupled to tandem mass spectrometry". Analytical and Bioanalytical Chemistry, 2012, 404, 615-616.	3.7	0
112	Environmental Risk Assessment of Pharmaceuticals in Wastewater Treatment. Handbook of Environmental Chemistry, 2020, , 1-21.	0.4	0