

Antonio Ginebreda

List of Publications by Year in descending order

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112
papers

8,215
citations

47006

47
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46799

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docs citations

116
times ranked

9616
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Environmental Risk Assessment of Pharmaceuticals in Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2020, , 1-21.	0.4	0
9	The Journey of Human Drugs from Their Design at the Bench to Their Fate in Crops. <i>Handbook of Environmental Chemistry</i> , 2020, , 3.	0.4	2
10	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
11	Quantification of ecological complexity and resilience from multivariate biological metrics datasets using singular value decomposition entropy. <i>MethodsX</i> , 2019, 6, 1668-1676.	1.6	3
12	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
13	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
14	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. <i>Environmental Sciences Europe</i> , 2019, 31, .	5.5	7
15	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
16	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
17	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , 2018, 8, 11462.	3.3	104
18	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

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19	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
20	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
21	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
22	Multiple stressor effects on river biofilms under different hydrological conditions. <i>Freshwater Biology</i> , 2016, 61, 2102-2115.	2.4	43
23	Using a polymer probe characterized by MALDI-TOF/MS to assess river ecosystem functioning: From polymer selection to field tests. <i>Science of the Total Environment</i> , 2016, 573, 532-540.	8.0	6
24	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
25	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
26	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
27	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
28	Effects of Emerging Contaminants on Biodiversity, Community Structure, and Adaptation of River Biota. <i>Handbook of Environmental Chemistry</i> , 2015, , 79-119.	0.4	4
29	Water Status Assessment in the Catalan River Basin District: Experience Gathered After 15 Years with the Water Framework Directive (WFD). <i>Handbook of Environmental Chemistry</i> , 2015, , 1-35.	0.4	3
30	Contaminants of Emerging Concern in Mediterranean Watersheds. <i>Handbook of Environmental Chemistry</i> , 2015, , 27-45.	0.4	1
31	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
32	Balancing the health benefits and environmental risks of pharmaceuticals: Diclofenac as an example. <i>Environment International</i> , 2015, 85, 327-333.	10.0	171
33	Pollutants of Emerging Concern in Rivers of Catalonia: Occurrence, Fate, and Risk. <i>Handbook of Environmental Chemistry</i> , 2015, , 283-320.	0.4	4
34	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
35	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
36	Why Should We Care About Temporary Waterways?. <i>Science</i> , 2014, 343, 1080-1081.	12.6	270

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37	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
38	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
39	Chemometric modeling of organic contaminant sources in surface waters of a mediterranean river basin. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 124-134.	3.5	6
40	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
41	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
42	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013, 719, 427-450.	2.0	28
43	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
44	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
45	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
46	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
47	Prioritization. <i>Comprehensive Analytical Chemistry</i> , 2013, 62, 71-90.	1.3	8
48	Wastewater Reuse in the Llobregat: The Experience at the Prat de Llobregat Treatment Plant. <i>Handbook of Environmental Chemistry</i> , 2012, , 327-346.	0.4	2
49	Risk Assessment of Pollutants in the Llobregat River Basin. <i>Handbook of Environmental Chemistry</i> , 2012, , 263-295.	0.4	2
50	Fate and Risks of Polar Pesticides in Groundwater Samples of Catalonia. <i>Handbook of Environmental Chemistry</i> , 2012, , 375-394.	0.4	3
51	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
52	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
53	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
54	Characterization of Environmental Exposure: Measuring Versus Modeling. <i>Handbook of Environmental Chemistry</i> , 2012, , 25-46.	0.4	0

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55	Occurrence and Elimination of Pharmaceuticals During Conventional Wastewater Treatment. Handbook of Environmental Chemistry, 2012, , 1-23.	0.4	60
56	Occurrence and modeling of pharmaceuticals on a sewage-impacted Mediterranean river and their dynamics under different hydrological conditions. Science of the Total Environment, 2012, 440, 3-13.	8.0	124
57	Prioritization of chemicals in the aquatic environment based on risk assessment: Analytical, modeling and regulatory perspective. Science of the Total Environment, 2012, 440, 236-252.	8.0	99
58	Occurrence of Persistent Organic Pollutants in the Llobregat River Basin: An Overview. Handbook of Environmental Chemistry, 2012, , 117-133.	0.4	1
59	New indexes for compound prioritization and complexity quantification on environmental monitoring inventories. Environmental Science and Pollution Research, 2012, 19, 958-970.	5.3	25
60	Assessing the effects of tertiary treated wastewater reuse on the presence emerging contaminants in a Mediterranean river (Llobregat, NE Spain). Environmental Science and Pollution Research, 2012, 19, 1000-1012.	5.3	51
61	Pharmaceuticals on a sewage impacted section of a Mediterranean River (Llobregat River, NE Spain) and their relationship with hydrological conditions. Environmental Science and Pollution Research, 2012, 19, 1013-1025.	5.3	41
62	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
63	Analysis of the occurrence and risk assessment of polar pesticides in the Llobregat River Basin (NE) Tj ETQq1 1 0.784314 rgBT/Overlo	8.2	77
64	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, 402, 2335-2345.	3.7	146
65	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
66	Novel approach for assessing heavy metal pollution and ecotoxicological status of rivers by means of passive sampling methods. Environment International, 2011, 37, 671-677.	10.0	70
67	Occurrence, partition and removal of pharmaceuticals in sewage water and sludge during wastewater treatment. Water Research, 2011, 45, 1165-1176.	11.3	802
68	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. TrAC - Trends in Analytical Chemistry, 2011, 30, 1269-1278.	11.4	91
69	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. Science of the Total Environment, 2011, 409, 2064-2077.	8.0	259
70	Water toxicity assessment and spatial pollution patterns identification in a Mediterranean River Basin District. Tools for water management and risk analysis. Science of the Total Environment, 2011, 409, 4269-4279.	8.0	66
71	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. Science of the Total Environment, 2011, 409, 4681-4692.	8.0	19
72	Integrated risk assessment for WFD ecological status classification applied to Llobregat river basin (Spain). Part I "Fuzzy approach to aggregate biological indicators. Science of the Total Environment, 2011, 409, 4701-4712.	8.0	21

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73	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
74	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
75	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
76	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
77	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
78	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
79	Presence of pyrethroid pesticides in water and sediments of Ebro River Delta. <i>Journal of Hydrology</i> , 2010, 393, 156-162.	5.4	150
80	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). <i>Handbook of Environmental Chemistry</i> , 2010, , 249-294.	0.4	3
81	Pesticides at The Ebro River Delta: Occurrence and Toxicity in Water and Biota. <i>Handbook of Environmental Chemistry</i> , 2010, , 259-274.	0.4	2
82	Sources, Occurrence, and Environmental Risk Assessment of Pharmaceuticals in the Ebro River Basin. <i>Handbook of Environmental Chemistry</i> , 2010, , 209-237.	0.4	6
83	Removal of pharmaceuticals during wastewater treatment and environmental risk assessment using hazard indexes. <i>Environment International</i> , 2010, 36, 15-26.	10.0	747
84	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
85	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
86	Quality assessment of river waters using risk indexes for substances and sites, based on the COMMPS procedure. <i>Journal of Environmental Monitoring</i> , 2010, 12, 2120.	2.1	6
87	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
88	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
89	Occurrence and Fate of Pharmaceuticals and Illicit Drugs Under Water Scarcity. <i>Handbook of Environmental Chemistry</i> , 2009, , 197-228.	0.4	3
90	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

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91	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
92	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
93	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
94	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
95	Distribution of endocrine disruptors in the Llobregat River basin (Catalonia, NE Spain). <i>Chemosphere</i> , 2005, 61, 1710-1719.	8.2	146
96	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
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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
105	Quantitation of volatile sulphur compounds in polluted waters. <i>Journal of Chromatography A</i> , 1997, 778, 329-335.	3.7	11
106	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
107	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
108	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

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109	Phase transfer catalysis using chiral catalysts. V. Asymmetric nucleophilic substitutions with C, O, N and S-anions. Tetrahedron Letters, 1980, 21, 3709-3712.	1.4	53
110	Asymmetric induction by phase-transfer catalysis using chiral catalysts. Synthesis of 1,2-dichloroalkanes and acetylcyanohydrins. Tetrahedron Letters, 1979, 20, 2171-2174.	1.4	27
111	Phase-transfer catalysis using chiral catalysts. Synthesis of optically active 2-phthalimido-esters. Journal of the Chemical Society Chemical Communications, 1978, , 742-743.	2.0	29
112	A New Method for the Generation of Dichlorocarbene using Solid-Liquid Phase-Transfer Catalysis. Synthesis, 1977, 1977, 682-683.	2.3	42