

Dami Barcel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

619
papers

41,224
citations

105
h-index

162
g-index

649
ext. papers

46,312
ext. citations

7.8
avg, IF

8.03
L-index

#	Paper	IF	Citations
619	Transmission of SARS-CoV-2 infections and exposure in surfaces, points and wastewaters: A global one health perspective. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022 , 5, 100184	7.5	2
618	Novel methodology for identification and quantification of microplastics in biological samples. <i>Environmental Pollution</i> , 2022 , 292, 118466	9.3	5
617	Disinfectant-induced hormesis: An unknown environmental threat of the application of disinfectants to prevent SARS-CoV-2 infection during the COVID-19 pandemic?. <i>Environmental Pollution</i> , 2022 , 292, 118429	9.3	2
616	Sorption of Pharmaceuticals on Microplastics 2022 , 577-612		
615	Micro(Nano)plastic analysis: a green and sustainable perspective. <i>Journal of Hazardous Materials Advances</i> , 2022 , 6, 100058		1
614	A predictive toolset for the identification of degradation pattern and toxic hazard estimation of multimeric hazardous compounds persists in water bodies.. <i>Science of the Total Environment</i> , 2022 , 824, 153979	10.2	1
613	Robust strategies to eliminate endocrine disruptive estrogens in water resources.. <i>Environmental Pollution</i> , 2022 , 119373	9.3	1
612	Mass Spectrometry in Wastewater-Based Epidemiology for the Determination of Small and Large Molecules as Biomarkers of Exposure: Toward a Global View of Environment and Human Health under the COVID-19 Outbreak. <i>ACS Omega</i> , 2021 , 6, 30865-30872	3.9	2
611	Chemical Composition, Insecticidal and Mosquito Larvicidal Activities of Allspice () Essential Oil. <i>Molecules</i> , 2021 , 26,	4.8	3
610	Highly hazardous pesticides and related pollutants: Toxicological, regulatory, and analytical aspects. <i>Science of the Total Environment</i> , 2021 , 151879	10.2	15
609	Insights into removal of antibiotics by selected microalgae (<i>Chlamydomonas reinhardtii</i> , <i>Chlorella sorokiniana</i> , <i>Dunaliella tertiolecta</i> and <i>Pseudokirchneriella subcapitata</i>). <i>Algal Research</i> , 2021 , 61, 102560	5	3
608	Identification of biomarkers in wastewater-based epidemiology: Main approaches and analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 145, 116465	14.6	0
607	Sorption of Pharmaceuticals on Microplastics 2021 , 1-36		1
606	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	12.8	5
605	Floating macrolitter leaked from Europe into the ocean. <i>Nature Sustainability</i> , 2021 , 4, 474-483	22.1	34
604	Prospects on coupling UV/HO with activated sludge or a fungal treatment for the removal of pharmaceutically active compounds in real hospital wastewater. <i>Science of the Total Environment</i> , 2021 , 773, 145374	10.2	9
603	Ecology of oxidative stress in the Danube barbel (<i>Barbus balcanicus</i>) from a winegrowing district: Effects of water parameters, trace and rare earth elements on biochemical biomarkers. <i>Science of the Total Environment</i> , 2021 , 772, 145034	10.2	3

602	Exploring current tendencies in techniques and materials for immobilization of laccases - A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 683-696	7.9	16
601	Drugs of abuse and their metabolites in river sediments: Analysis, occurrence in four Spanish river basins and environmental risk assessment. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123312	12.8	8
600	Combining biological processes with UV/H ₂ O ₂ for metoprolol and metoprolol acid removal in hospital wastewater. <i>Chemical Engineering Journal</i> , 2021 , 404, 126482	14.7	17
599	Quantification and elimination of substituted synthetic phenols and volatile organic compounds in the wastewater treatment plant during the production of industrial scale polypropylene. <i>Chemosphere</i> , 2021 , 263, 128027	8.4	8
598	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	10.2	20
597	New insights on the combined removal of antibiotics and ARGs in urban wastewater through the use of two configurations of vertical subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2021 , 755, 142554	10.2	25
596	Challenges and strategies of matrix effects using chromatography-mass spectrometry: An overview from research versus regulatory viewpoints. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 116068	14.6	14
595	Distribution of antibiotics in water, sediments and biofilm in an urban river (Córdoba, Argentina, LA). <i>Environmental Pollution</i> , 2021 , 269, 116133	9.3	20
594	Antidepressant drugs as emerging contaminants: Occurrence in urban and non-urban waters and analytical methods for their detection. <i>Science of the Total Environment</i> , 2021 , 757, 143722	10.2	27
593	Emerging paradigms of viral diseases and paramount role of natural resources as antiviral agents. <i>Science of the Total Environment</i> , 2021 , 759, 143539	10.2	7
592	Combining an effect-based methodology with chemical analysis for antibiotics determination in wastewater and receiving freshwater and marine environment. <i>Environmental Pollution</i> , 2021 , 271, 116393	9.3	14
591	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	10.2	10
590	Phyco-remediation of swine wastewater as a sustainable model based on circular economy. <i>Journal of Environmental Management</i> , 2021 , 278, 111534	7.9	24
589	Contaminants of emerging concern in the Basque coast (N Spain): Occurrence and risk assessment for a better monitoring and management decisions. <i>Science of the Total Environment</i> , 2021 , 765, 142765	10.2	11
588	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021 , 405, 126683	14.7	272
587	Development and validation of a methodology for quantifying parts-per-billion levels of arsine and phosphine in nitrogen, hydrogen and liquefied petroleum gas using a variable pressure sampler coupled to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1637, 461833	4.5	4
586	A reconnaissance study of pharmaceuticals, pesticides, perfluoroalkyl substances and organophosphorus flame retardants in the aquatic environment, wild plants and vegetables of two Saudi Arabia urban areas: Environmental and human health risk assessment. <i>Science of the Total Environment</i> , 2021 , 776, 145843	10.2	14
585	Detection and removal of waterborne enteric viruses from wastewater: A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105613	6.8	12

584	Uptake prediction of nine heavy metals by <i>Eichhornia crassipes</i> grown in irrigation canals: A biomonitoring approach. <i>Science of the Total Environment</i> , 2021 , 782, 146887	10.2	11
583	First evidence of microplastics occurrence in mixed surface and treated wastewater from two major Saudi Arabian cities and assessment of their ecological risk. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125747	12.8	9
582	Ecological risks in a 'plastic' world: A threat to biological diversity?. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126035	12.8	21
581	Micro/nanoplastics effects on organisms: A review focusing on 'dose'. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126084	12.8	23
580	CO biocapture by <i>Scenedesmus</i> sp. grown in industrial wastewater. <i>Science of the Total Environment</i> , 2021 , 790, 148222	10.2	2
579	Analysis of microplastics and nanoplastics: How green are the methodologies used?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 31, 100503	7.9	8
578	Risks of Covid-19 face masks to wildlife: Present and future research needs. <i>Science of the Total Environment</i> , 2021 , 792, 148505	10.2	22
577	MXene-based designer nanomaterials and their exploitation to mitigate hazardous pollutants from environmental matrices. <i>Chemosphere</i> , 2021 , 283, 131293	8.4	11
576	Occurrence, environmental fate, ecological issues, and redefining of endocrine disruptive estrogens in water resources. <i>Science of the Total Environment</i> , 2021 , 800, 149635	10.2	13
575	Developmental alterations, teratogenic effects, and oxidative disruption induced by ibuprofen, aluminum, and their binary mixture on <i>Danio rerio</i> . <i>Environmental Pollution</i> , 2021 , 291, 118078	9.3	2
574	First comparison of conventional activated sludge versus root-zone treatment for SARS-CoV-2 RNA removal from wastewaters: Statistical and temporal significance. <i>Chemical Engineering Journal</i> , 2021 , 425, 130635	14.7	12
573	Ecotoxicological Effects of Ibuprofen on Plant Growth of <i>L. Plants</i> , 2020 , 9,	4.5	6
572	An environmental and health perspective for COVID-19 outbreak: Meteorology and air quality influence, sewage epidemiology indicator, hospitals disinfection, drug therapies and recommendations. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104006	6.8	111
571	Early SARS-CoV-2 outbreak detection by sewage-based epidemiology. <i>Science of the Total Environment</i> , 2020 , 732, 139298	10.2	100
570	Introduction of emerging halogenated flame retardants in the environment. <i>Comprehensive Analytical Chemistry</i> , 2020 , 88, 1-39	1.9	11
569	Dataset of pesticides, pharmaceuticals and personal care products occurrence in wetlands of Saudi Arabia. <i>Data in Brief</i> , 2020 , 31, 105776	1.2	7
568	Persistence, ecological risks, and oxidoreductases-assisted biocatalytic removal of triclosan from the aquatic environment. <i>Science of the Total Environment</i> , 2020 , 735, 139194	10.2	17
567	Do we really need to invoke heroic measures for early SARS-CoV-2 outbreak detection?. <i>European Journal of Epidemiology</i> , 2020 , 35, 613-614	12.1	2

566	Insights on the metabolization of the antidepressant venlafaxine by meagre (<i>Argyrosomus regius</i>) using a combined target and suspect screening approach. <i>Science of the Total Environment</i> , 2020 , 737, 140226	10.2	11
565	Municipal Solid Waste Landfills: An Underestimated Source of Pharmaceutical and Personal Care Products in the Water Environment. <i>Environmental Science & Technology</i> , 2020 , 54, 9757-9768	10.3	59
564	Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. <i>Science of the Total Environment</i> , 2020 , 742, 140565	10.2	188
563	Pyrolysis gas chromatography-mass spectrometry in environmental analysis: Focus on organic matter and microplastics. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 130, 115964	14.6	48
562	Effect-Based Identification of Hazardous Antibiotic Transformation Products after Water Chlorination. <i>Environmental Science & Technology</i> , 2020 , 54, 9062-9073	10.3	7
561	Introduction to Water Resources in Algeria: Assessment of Surface and Groundwater Resources <i>Handbook of Environmental Chemistry</i> , 2020 , 3-12	0.8	4
560	Biomonitoring potential of the native aquatic plant <i>Typha domingensis</i> by predicting trace metals accumulation in the Egyptian Lake Burullus. <i>Science of the Total Environment</i> , 2020 , 714, 136603	10.2	16
559	Legacy and Emerging Brominated Flame Retardants in Bizerte Lagoon Murex (<i>Hexaplex trunculus</i>): Levels and Human Health Risk Assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 2020 , 78, 337-349	3.2	5
558	Riverine anthropogenic litter load to the Mediterranean Sea near the metropolitan area of Barcelona, Spain. <i>Science of the Total Environment</i> , 2020 , 714, 136807	10.2	35
557	Bioremediation potential of <i>Sargassum</i> sp. biomass to tackle pollution in coastal ecosystems: Circular economy approach. <i>Science of the Total Environment</i> , 2020 , 715, 136978	10.2	36
556	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020 , 140, 105733	12.9	124
555	Ultra-trace determination of domoic acid in the Ebro Delta estuary by SPE-HILIC-HRMS. <i>Analytical Methods</i> , 2020 , 12, 1966-1974	3.2	2
554	Seasonal relevance of agricultural diffuse pollutant with microplastic in the bay. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122602	12.8	18
553	A new digestion approach for the extraction of microplastics from gastrointestinal tracts (GITs) of the common dolphinfish (<i>Coryphaena hippurus</i>) from the western Mediterranean Sea. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122794	12.8	39
552	Hydrocarbon-induced hormesis: 101 years of evidence at the margin?. <i>Environmental Pollution</i> , 2020 , 265, 114846	9.3	17
551	How recent innovations in gas chromatography-mass spectrometry have improved pesticide residue determination: An alternative technique to be in your radar. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 122, 115720	14.6	34
550	Pharmaceuticals, pesticides, personal care products and microplastics contamination assessment of Al-Hassa irrigation network (Saudi Arabia) and its shallow lakes. <i>Science of the Total Environment</i> , 2020 , 701, 135021	10.2	68
549	Presence of pharmaceutical compounds, levels of biochemical biomarkers in seafood tissues and risk assessment for human health: Results from a case study in North-Western Spain. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 223, 10-21	6.9	26

548	Response of soil enzyme activities and bacterial communities to the accumulation of microplastics in an acid cropped soil. <i>Science of the Total Environment</i> , 2020 , 707, 135634	10.2	144
547	Microplastics in agricultural soils on the coastal plain of Hangzhou Bay, east China: Multiple sources other than plastic mulching film. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121814	12.8	141
546	Fate of priority pharmaceuticals and their main metabolites and transformation products in microalgae-based wastewater treatment systems. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121771	12.8	36
545	Nanostructured materials for harnessing the power of horseradish peroxidase for tailored environmental applications. <i>Science of the Total Environment</i> , 2020 , 749, 142360	10.2	14
544	Wastewater-Based Epidemiology to monitor COVID-19 outbreak: Present and future diagnostic methods to be in your radar. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020 , 2, 100042	7.5	29
543	Thermochemical liquefaction of agricultural and forestry wastes into biofuels and chemicals from circular economy perspectives. <i>Science of the Total Environment</i> , 2020 , 749, 141972	10.2	30
542	Combined effects of moderate hypoxia, pesticides and PCBs upon crucian carp fish, <i>Carassius carassius</i> , from a freshwater lake- in situ ecophysiological approach. <i>Aquatic Toxicology</i> , 2020 , 228, 105644	5.1	32
541	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	6.8	22
540	Sustainable microalgae-based technology for biotransformation of benzalkonium chloride in oil and gas produced water: A laboratory-scale study. <i>Science of the Total Environment</i> , 2020 , 748, 141526	10.2	6
539	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	10.2	4
538	Update, Conclusions, and Recommendations for Assessment of Surface and Groundwater Resources in Algeria. <i>Handbook of Environmental Chemistry</i> , 2020 , 321-336	0.8	
537	Update, Conclusions, and Recommendations for Water Resources in Algeria: Water Quality, Treatment, Protection, and Development. <i>Handbook of Environmental Chemistry</i> , 2020 , 319-334	0.8	1
536	Introduction to Water Resources in Algeria: Water Quality, Treatment, Protection and Development. <i>Handbook of Environmental Chemistry</i> , 2020 , 1-10	0.8	2
535	Sources of Pharmaceuticals in Water. <i>Handbook of Environmental Chemistry</i> , 2020 , 33	0.8	5
534	Bioconcentration and bioaccumulation of C fullerene and C epoxide in biofilms and freshwater snails (<i>Radix</i> sp.). <i>Environmental Research</i> , 2020 , 180, 108715	7.9	2
533	Self-reduction bimetallic nanoparticles on ultrathin MXene nanosheets as functional platform for pesticide sensing. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121358	12.8	79
532	Synergistic activation of peroxymonosulfate and persulfate by ferrous ion and molybdenum disulfide for pollutant degradation: Theoretical and experimental studies. <i>Chemosphere</i> , 2020 , 240, 124979	8.4	41
531	Soil and water threats in a changing environment. <i>Environmental Research</i> , 2020 , 186, 109501	7.9	26

530	Nanosized titanium dioxide UV filter increases mixture toxicity when combined with parabens. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 184, 109565	7	16
529	Quantification of ecological complexity and resilience from multivariate biological metrics datasets using singular value decomposition entropy. <i>MethodsX</i> , 2019 , 6, 1668-1676	1.9	0
528	Persistence of pesticides-based contaminants in the environment and their effective degradation using laccase-assisted biocatalytic systems. <i>Science of the Total Environment</i> , 2019 , 695, 133896	10.2	107
527	Microplastics in the global aquatic environment: Analysis, effects, remediation and policy solutions. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103421	6.8	28
526	Direct analysis in real-time high-resolution mass spectrometry as a valuable tool for polyphenols profiling in olive oil. <i>Analytical Methods</i> , 2019 , 11, 472-482	3.2	18
525	Effect of the conversion of mangroves into shrimp farms on carbon stock in the sediment along the southern Red Sea coast, Saudi Arabia. <i>Environmental Research</i> , 2019 , 176, 108536	7.9	19
524	Long-term continuous treatment of non-sterile real hospital wastewater by. <i>Journal of Biological Engineering</i> , 2019 , 13, 47	6.3	12
523	Environmental risks associated with contaminants of legacy and emerging concern at European aquaculture areas. <i>Environmental Pollution</i> , 2019 , 252, 1301-1310	9.3	15
522	Spatial and temporal occurrence of pharmaceuticals in UK estuaries. <i>Science of the Total Environment</i> , 2019 , 678, 74-84	10.2	37
521	Combination of nejayote and swine wastewater as a medium for <i>Arthrospira maxima</i> and <i>Chlorella vulgaris</i> production and wastewater treatment. <i>Science of the Total Environment</i> , 2019 , 676, 356-367	10.2	23
520	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	10.2	11
519	Polluted water from an urban reservoir (Madb dam, Mexico) induces toxicity and oxidative stress in <i>Cyprinus carpio</i> embryos. <i>Environmental Pollution</i> , 2019 , 251, 510-521	9.3	15
518	Exposure to a Subinhibitory Sulfonamide Concentration Promotes the Spread of Antibiotic Resistance in Marine Blue Mussels (<i>Mytilus edulis</i>). <i>Environmental Science and Technology Letters</i> , 2019 , 6, 211-215	11	4
517	The value of wastewater-based epidemiology in the estimation of alcohol consumption. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 9, 19-25	8.1	8
516	Comprehensive study of sulfamethoxazole effects in marine mussels: Bioconcentration, enzymatic activities and metabolomics. <i>Environmental Research</i> , 2019 , 173, 12-22	7.9	17
515	Halogenated and organophosphorus flame retardants in cetaceans from the southwestern Indian Ocean. <i>Chemosphere</i> , 2019 , 226, 791-799	8.4	33
514	Analysis and Prevention of Microplastics Pollution in Water: Current Perspectives and Future Directions. <i>ACS Omega</i> , 2019 , 4, 6709-6719	3.9	128
513	Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2687-2696	4.4	8

512	Psychoactive pharmaceuticals and illicit drugs in coastal waters of North-Western Spain: Environmental exposure and risk assessment. <i>Chemosphere</i> , 2019 , 224, 379-389	8.4	36
511	Levels of regulated POPs in fish samples from the Sava River Basin. Comparison to legislated quality standard values. <i>Science of the Total Environment</i> , 2019 , 647, 20-28	10.2	17
510	Multiple stressor effects on biodiversity and ecosystem functioning in a Mediterranean temporary river. <i>Science of the Total Environment</i> , 2019 , 647, 1179-1187	10.2	29
509	Anthropogenic contaminants of high concern: Existence in water resources and their adverse effects. <i>Science of the Total Environment</i> , 2019 , 690, 1068-1088	10.2	102
508	Metoprolol and metoprolol acid degradation in UV/HO treated wastewaters: An integrated screening approach for the identification of hazardous transformation products. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120851	12.8	23
507	Trace analysis of polystyrene microplastics in natural waters. <i>Chemosphere</i> , 2019 , 236, 124321	8.4	55
506	Biocatalytic degradation/redefining "removal" fate of pharmaceutically active compounds and antibiotics in the aquatic environment. <i>Science of the Total Environment</i> , 2019 , 691, 1190-1211	10.2	88
505	Mitigation of bisphenol A using an array of laccase-based robust bio-catalytic cues - A review. <i>Science of the Total Environment</i> , 2019 , 689, 160-177	10.2	61
504	Removal and biotransformation of 4-nonylphenol by <i>Arthrospira maxima</i> and <i>Chlorella vulgaris</i> consortium. <i>Environmental Research</i> , 2019 , 179, 108848	7.9	20
503	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
502	Algal-based removal strategies for hazardous contaminants from the environment - A review. <i>Science of the Total Environment</i> , 2019 , 665, 358-366	10.2	70
501	A reliable LC-MS/MS-based method for trace level determination of 50 medium to highly polar pesticide residues in sediments and ecological risk assessment. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7981-7996	4.4	17
500	Nano- and microplastic analysis: Focus on their occurrence in freshwater ecosystems and remediation technologies. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 409-425	14.6	91
499	Analysis of 52 pesticides in fresh fish muscle by QuEChERS extraction followed by LC-MS/MS determination. <i>Science of the Total Environment</i> , 2019 , 653, 958-967	10.2	57
498	Occurrence of halogenated flame retardants in sediments and sea urchins (<i>Paracentrotus lividus</i>) from a North African Mediterranean coastal lagoon (Bizerte, Tunisia). <i>Science of the Total Environment</i> , 2019 , 654, 1316-1325	10.2	14
497	Personal care products reconnaissance in EVROTAS river (Greece): Water-sediment partition and bioaccumulation in fish. <i>Science of the Total Environment</i> , 2019 , 651, 3079-3089	10.2	33
496	Fungal treatment of metoprolol and its recalcitrant metabolite metoprolol acid in hospital wastewater: Biotransformation, sorption and ecotoxicological impact. <i>Water Research</i> , 2019 , 152, 171-180	12.5	33
495	Medium to highly polar pesticides in seawater: Analysis and fate in coastal areas of Catalonia (NE Spain). <i>Chemosphere</i> , 2019 , 215, 515-523	8.4	29

494	Uptake and accumulation of emerging contaminants in soil and plant treated with wastewater under real-world environmental conditions in the Al Hayer area (Saudi Arabia). <i>Science of the Total Environment</i> , 2019 , 652, 562-572	10.2	53
493	Pharmaceuticals as chemical markers of wastewater contamination in the vulnerable area of the Ebro Delta (Spain). <i>Science of the Total Environment</i> , 2019 , 652, 952-963	10.2	80
492	Assessment of full-scale tertiary wastewater treatment by UV-C based-AOPs: Removal or persistence of antibiotics and antibiotic resistance genes?. <i>Science of the Total Environment</i> , 2019 , 652, 1051-1061	10.2	70
491	Fungal biodegradation of the N-nitrosodimethylamine precursors venlafaxine and O-desmethylvenlafaxine in water. <i>Environmental Pollution</i> , 2019 , 246, 346-356	9.3	11
490	Impact of fullerenes in the bioaccumulation and biotransformation of venlafaxine, diuron and triclosan in river biofilms. <i>Environmental Research</i> , 2019 , 169, 377-386	7.9	15
489	Preliminary study of long-range transport of halogenated flame retardants using Antarctic marine mammals. <i>Science of the Total Environment</i> , 2019 , 650, 1889-1897	10.2	12
488	On-line solid phase extraction-liquid chromatography-tandem mass spectrometry for insect repellent residue analysis in surface waters using atmospheric pressure photoionization. <i>Journal of Chromatography A</i> , 2018 , 1544, 33-40	4.5	10
487	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	10.2	20
486	Differential behavioural responses to venlafaxine exposure route, warming and acidification in juvenile fish (<i>Argyrosomus regius</i>). <i>Science of the Total Environment</i> , 2018 , 634, 1136-1147	10.2	39
485	Presence of pharmaceuticals in fish collected from urban rivers in the U.S. EPA 2008-2009 National Rivers and Streams Assessment. <i>Science of the Total Environment</i> , 2018 , 634, 542-549	10.2	56
484	Adsorption of perfluoroalkyl substances on microplastics under environmental conditions. <i>Environmental Pollution</i> , 2018 , 235, 680-691	9.3	138
483	Abundance of antibiotic resistance genes and bacterial community composition in wild freshwater fish species. <i>Chemosphere</i> , 2018 , 196, 115-119	8.4	39
482	Analysis of ibuprofen and its main metabolites in roots, shoots, and seeds of cowpea (<i>Vigna unguiculata</i> L. Walp) using liquid chromatography-quadrupole time-of-flight mass spectrometry: uptake, metabolism, and translocation. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1163-1176	4.4	14
481	Perfluoroalkyl phosphonic acids adsorption behaviour and removal by wastewater organisms. <i>Science of the Total Environment</i> , 2018 , 636, 273-281	10.2	3
480	Ecological and human exposure assessment to PBDEs in Adige River. <i>Environmental Research</i> , 2018 , 164, 229-240	7.9	10
479	Residue of insecticides in foodstuff and dietary exposure assessment of Brazilian citizens. <i>Food and Chemical Toxicology</i> , 2018 , 115, 329-335	4.7	17
478	Effects of water warming and acidification on bioconcentration, metabolization and depuration of pharmaceuticals and endocrine disrupting compounds in marine mussels (<i>Mytilus galloprovincialis</i>). <i>Environmental Pollution</i> , 2018 , 236, 824-834	9.3	49
477	Fluvial biofilms exposed to desiccation and pharmaceutical pollution: New insights using metabolomics. <i>Science of the Total Environment</i> , 2018 , 618, 1382-1388	10.2	12

476	How do measured PBDE and HCB levels in river fish compare to the European Environmental Quality Standards?. <i>Environmental Research</i> , 2018 , 160, 203-211	7.9	28
475	Simultaneous LC-MS/MS determination of 40 legal and illegal psychoactive drugs in breast and bovine milk. <i>Food Chemistry</i> , 2018 , 245, 159-167	8.5	23
474	Does the presence of caffeine in the marine environment represent an environmental risk? A regional and global study. <i>Science of the Total Environment</i> , 2018 , 615, 632-642	10.2	44
473	Aerobic activated sludge transformation of vincristine and identification of the transformation products. <i>Science of the Total Environment</i> , 2018 , 610-611, 892-904	10.2	18
472	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , 2018 , 8, 11462	4.9	70
471	Fullerenes Influence the Toxicity of Organic Micro-Contaminants to River Biofilms. <i>Frontiers in Microbiology</i> , 2018 , 9, 1426	5.7	11
470	Distribution of soil organic carbon in Wadi Al-Thulaima, Saudi Arabia: A hyper-arid habitat altered by wastewater reuse. <i>Catena</i> , 2018 , 170, 266-271	5.8	4
469	Integrating population connectivity into pollution assessment: Overwintering mixing reveals flame retardant contamination in breeding areas in a migratory raptor. <i>Environmental Research</i> , 2018 , 166, 553-561	7.9	12
468	Chemical characterization and relative toxicity assessment of disinfection byproduct mixtures in a large drinking water supply network. <i>Journal of Hazardous Materials</i> , 2018 , 359, 166-173	12.8	33
467	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	10.2	13
466	Influencing factors on the removal of pharmaceuticals from water with micro-grain activated carbon. <i>Water Research</i> , 2018 , 144, 402-412	12.5	38
465	Determination of metals and pharmaceutical compounds released in hospital wastewater from Toluca, Mexico, and evaluation of their toxic impact. <i>Environmental Pollution</i> , 2018 , 240, 330-341	9.3	40
464	Analysis of multiclass antibiotic residues in urban wastewater in Tunisia. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 10, 163-170	3.3	38
463	An automated on-line turbulent flow liquid-chromatography technology coupled to a high resolution mass spectrometer LTQ-Orbitrap for suspect screening of antibiotic transformation products during microalgae wastewater treatment. <i>Journal of Chromatography A</i> , 2018 , 1568, 57-68	4.5	25
462	<i>Stropharia rugosoannulata</i> and <i>Gymnopilus luteofolius</i> : Promising fungal species for pharmaceutical biodegradation in contaminated water. <i>Journal of Environmental Management</i> , 2018 , 207, 396-404	7.9	35
461	Ecotoxicological effects of carbon based nanomaterials in aquatic organisms. <i>Science of the Total Environment</i> , 2018 , 619-620, 328-337	10.2	103
460	Occurrence of organic UV filters and metabolites in lebranche mullet (<i>Mugil liza</i>) from Brazil. <i>Science of the Total Environment</i> , 2018 , 618, 451-459	10.2	51
459	Target vs non-target analysis to determine pesticide residues in fruits from Saudi Arabia and influence in potential risk associated with exposure. <i>Food and Chemical Toxicology</i> , 2018 , 111, 53-63	4.7	40

458	Occurrence of C and related fullerenes in the Sava River under different hydrologic conditions. <i>Science of the Total Environment</i> , 2018 , 643, 1108-1116	10.2	21
457	A fully automated approach for the analysis of 37 psychoactive substances in raw wastewater based on on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1576, 80-89	4.5	32
456	Occurrence of pharmaceuticals and personal care products in the urban aquifer of Zaragoza (Spain) and its relationship with intensive shallow geothermal energy exploitation. <i>Journal of Hydrology</i> , 2018 , 566, 629-642	6	15
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454	Antidepressants in a changing ocean: Venlafaxine uptake and elimination in juvenile fish (<i>Argyrosomus regius</i>) exposed to warming and acidification conditions. <i>Chemosphere</i> , 2018 , 209, 286-297	8.4	16
453	Transformation products of amoxicillin and ampicillin after photolysis in aqueous matrices: Identification and kinetics. <i>Science of the Total Environment</i> , 2018 , 642, 954-967	10.2	27
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451	Insecticide pyrethroids in liver of striped dolphin from the Mediterranean Sea. <i>Environmental Pollution</i> , 2017 , 225, 346-353	9.3	17
450	Contamination sources and distribution patterns of pharmaceuticals and personal care products in Alpine rivers strongly affected by tourism. <i>Science of the Total Environment</i> , 2017 , 590-591, 484-494	10.2	77
449	Performance of a microalgal photobioreactor treating toilet wastewater: Pharmaceutically active compound removal and biomass harvesting. <i>Science of the Total Environment</i> , 2017 , 592, 1-11	10.2	103
448	Preliminary assessment on the bioaccessibility of contaminants of emerging concern in raw and cooked seafood. <i>Food and Chemical Toxicology</i> , 2017 , 104, 69-78	4.7	38
447	Effect of pyrethroid treatment against sea lice in salmon farming regarding consumers' health. <i>Food and Chemical Toxicology</i> , 2017 , 105, 347-354	4.7	10
446	Formation of iodo-trihalomethanes, iodo-haloacetic acids, and haloacetaldehydes during chlorination and chloramination of iodine containing waters in laboratory controlled reactions. <i>Journal of Environmental Sciences</i> , 2017 , 58, 127-134	6.4	35
445	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	7.9	39
444	Multi-residue method for the determination of antibiotics and some of their metabolites in seafood. <i>Food and Chemical Toxicology</i> , 2017 , 104, 3-13	4.7	37
443	Fungal treatment for the removal of endocrine disrupting compounds from reverse osmosis concentrate: Identification and monitoring of transformation products of benzotriazoles. <i>Chemosphere</i> , 2017 , 184, 1054-1070	8.4	15
442	Occurrence of pharmaceutical, recreational and psychotropic drug residues in surface water on the northern Antarctic Peninsula region. <i>Environmental Pollution</i> , 2017 , 229, 241-254	9.3	99
441	Analysis of emerging contaminants and nanomaterials in plant materials following uptake from soils. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 94, 173-189	14.6	30

440	Seasonal variations in the occurrence of perfluoroalkyl substances in water, sediment and fish samples from Ebro Delta (Catalonia, Spain). <i>Science of the Total Environment</i> , 2017 , 607-608, 933-943	10.2	48
439	Five-year monitoring of 19 illicit and legal substances of abuse at the inlet of a wastewater treatment plant in Barcelona (NE Spain) and estimation of drug consumption patterns and trends. <i>Science of the Total Environment</i> , 2017 , 609, 916-926	10.2	71
438	Elimination study of the chemotherapy drug tamoxifen by different advanced oxidation processes: Transformation products and toxicity assessment. <i>Chemosphere</i> , 2017 , 168, 284-292	8.4	33
437	Study of the effect of the bacterial and fungal communities present in real wastewater effluents on the performance of fungal treatments. <i>Science of the Total Environment</i> , 2017 , 579, 366-377	10.2	43
436	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, 324-33	10.2	61
435	Effects of subinhibitory ciprofloxacin concentrations on the abundance of qnrS and composition of bacterial communities from water supply reservoirs. <i>Chemosphere</i> , 2016 , 161, 470-474	8.4	8
434	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , 2016 , 219, 275-287	9.3	93
433	Analysis of organophosphorus flame retardants in environmental and biotic matrices using on-line turbulent flow chromatography-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1474, 71-78	4.5	43
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430	Comparative measurement and quantitative risk assessment of alcohol consumption through wastewater-based epidemiology: An international study in 20 cities. <i>Science of the Total Environment</i> , 2016 , 565, 977-983	10.2	70
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428	Multiresidue trace analysis of pharmaceuticals, their human metabolites and transformation products by fully automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2016 , 158, 330-341	6.2	35
427	Single and joint ecotoxicity data estimation of organic UV filters and nanomaterials toward selected aquatic organisms. Urban groundwater risk assessment. <i>Environmental Research</i> , 2016 , 145, 126-134	7.9	49
426	Reactivity of vinca alkaloids during water chlorination processes: Identification of their disinfection by-products by high-resolution quadrupole-Orbitrap mass spectrometry. <i>Science of the Total Environment</i> , 2016 , 544, 635-44	10.2	19
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4 ²²	Continuous fungal treatment of non-sterile veterinary hospital effluent: pharmaceuticals removal and microbial community assessment. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2401-15	5.7	30
4 ²¹	Perfluoroalkyl substances in the Ebro and Guadalquivir river basins (Spain). <i>Science of the Total Environment</i> , 2016 , 540, 191-9	10.2	47
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4 ¹⁶	Bioavailability of classical and novel flame retardants: Effect of fullerene presence. <i>Science of the Total Environment</i> , 2016 , 565, 299-305	10.2	3
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4 ¹⁴	Human exposure to endocrine disrupting compounds: Their role in reproductive systems, metabolic syndrome and breast cancer. A review. <i>Environmental Research</i> , 2016 , 151, 251-264	7.9	314
4 ¹³	Comprehensive monitoring of the occurrence of 22 drugs of abuse and transformation products in airborne particulate matter in the city of Barcelona. <i>Science of the Total Environment</i> , 2015 , 532, 344-52	10.2	15
4 ¹²	Non conventional biological treatment based on <i>Trametes versicolor</i> for the elimination of recalcitrant anticancer drugs in hospital wastewater. <i>Chemosphere</i> , 2015 , 136, 9-19	8.4	59
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4 ⁰⁵	Occurrence of antibiotics and antibiotic resistance genes in hospital and urban wastewaters and their impact on the receiving river. <i>Water Research</i> , 2015 , 69, 234-242	12.5	844

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324	Liquid chromatography-tandem mass spectrometry for the multi-residue analysis of organic UV filters and their transformation products in the aquatic environment. <i>Analytical Methods</i> , 2013 , 5, 355-366	3.2	42
323	Occurrence of hydrophobic organic pollutants (BFRs and UV-filters) in sediments from South America. <i>Chemosphere</i> , 2013 , 92, 309-16	8.4	83
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321	Analysis of emerging contaminants in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 43, 240-253	14.6	77
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313	Analysis of Pharmaceutical Compounds in Biota. <i>Comprehensive Analytical Chemistry</i> , 2013 , 62, 169-193	1.9	5
312	Analysis of Halogenated Flame Retardants by Gas Chromatography Coupled to LRMS, HRMS, MSMS, and TOF-MS. <i>Comprehensive Analytical Chemistry</i> , 2013 , 373-401	1.9	1
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310	Assessment of the effects of a marine urban outfall discharge on caged mussels using chemical and biomarker analysis. <i>Marine Pollution Bulletin</i> , 2012 , 64, 563-73	6.7	33
309	Drugs of abuse in urban groundwater. A case study: Barcelona. <i>Science of the Total Environment</i> , 2012 , 424, 280-8	10.2	58
308	Analysis of perfluoroalkyl substances in waters from Germany and Spain. <i>Science of the Total Environment</i> , 2012 , 431, 139-50	10.2	98
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305	Biodegradation studies of N4-acetylsulfapyridine and N4-acetylsulfamethazine in environmental water by applying mass spectrometry techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2885-96	4.4	27
304	Distribution and sources of PAHs using three pine species along the Ebro River. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 985-99	3.1	28
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290	Emerging Contaminants 2012 , 665-691		
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