

A review on emerging contaminants in wastewaters and
knowledge, understudied areas and recommendations for

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Tracking multiple modes of endocrine activity in Australia's largest inland sewage treatment plant and effluent-receiving environment using a panel of in vitro bioassays. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2271-2281.	2.2	26
3	Development and validation of a generic nontarget method based on liquid chromatography-hi high resolution mass spectrometry analysis for the evaluation of different wastewater treatment options. <i>Journal of Chromatography A</i> , 2015, 1426, 77-90.	1.8	65
4	Phycoremediation of Emerging Contaminants. , 2015, , 129-146.		8
5	Distribution, mass load and environmental impact of multiple-class pharmaceuticals in conventional and upgraded municipal wastewater treatment plants in East China. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 596-605.	1.7	54
6	Compound-Specific Carbon, Nitrogen, and Hydrogen Isotope Analysis of <i>N</i> -Nitrosodimethylamine in Aqueous Solutions. <i>Analytical Chemistry</i> , 2015, 87, 2916-2924.	3.2	28
7	An electrochemical sensor for selective determination of sulfamethoxazole in surface water using a molecularly imprinted polymer modified BDD electrode. <i>Analytical Methods</i> , 2015, 7, 2693-2698.	1.3	50
8	From consumption to harvest: Environmental fate prediction of excreted ionizable trace organic chemicals. <i>Water Research</i> , 2015, 84, 85-98.	5.3	34
9	Identification of phototransformation products of the antiepileptic drug gabapentin: Biodegradability and initial assessment of toxicity. <i>Water Research</i> , 2015, 85, 11-21.	5.3	55
10	Rapid analysis of diclofenac in freshwater and wastewater by a monoclonal antibody-based highly sensitive ELISA. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8873-8882.	1.9	45
11	Pharmaceuticals and personal care products in waters: occurrence, toxicity, and risk. <i>Environmental Chemistry Letters</i> , 2015, 13, 381-394.	8.3	280
12	Exploring potential contributors to endocrine disrupting activities in Taiwan's surface waters using yeast assays and chemical analysis. <i>Chemosphere</i> , 2015, 138, 814-820.	4.2	16
13	Stabilization of nanosized titanium dioxide by cyclodextrin polymers and its photocatalytic effect on the degradation of wastewater pollutants. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2873-2882.	1.3	18
14	Unravelling the Impacts of Micropollutants in Aquatic Ecosystems. <i>Advances in Ecological Research</i> , 2016, 55, 183-223.	1.4	81
15	Degrading Organic Micropollutants: The Next Challenge in the Evolution of Biological Wastewater Treatment Processes. <i>Frontiers in Environmental Science</i> , 2016, 4, .	1.5	26
16	Occurrence, removal and environmental risk assessment of pharmaceuticals and personal care products in rural wastewater treatment wetlands. <i>Science of the Total Environment</i> , 2016, 566-567, 1660-1669.	3.9	173
17	Comparative Study of Genotoxicity Induced by Six Different <i>PBDE</i> s. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 396-404.	1.2	22
18	Long-term water quality data explain interpopulation variation in responsiveness to stress in sticklebacks at both wastewater effluent-contaminated and uncontaminated sites. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 3014-3022.	2.2	4
19	Emerging Pollutants - Part I: Occurrence, Fate and Transport. <i>Water Environment Research</i> , 2016, 88, 1855-1875.	1.3	18

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20	New (Practical) Strategies in Target, Suspects, and Non-Target LC-MS(/MS) Screening: Bisoprolol and Transformation Products as an Example. ACS Symposium Series, 2016, , 85-101.	0.5	1
21	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. Scientific Reports, 2016, 6, 39691.	1.6	107
22	The Utility of Exposure and Effect-Based Analysis in the Ecotoxicological Assessment of Transformation Products. ACS Symposium Series, 2016, , 89-109.	0.5	2
23	Effects of 17 β -estradiol (E2) on aqueous organisms and its treatment problem: a review. Reviews on Environmental Health, 2016, 31, 465-491.	1.1	64
24	Emerging Pollutants –Part II: Treatment. Water Environment Research, 2016, 88, 1876-1904.	1.3	11
25	Impacts of compound properties and sediment characteristics on the sorption behaviour of pharmaceuticals in aquatic systems. Journal of Hazardous Materials, 2016, 317, 198-209.	6.5	59
26	Inclusion of emerging organic contaminants in groundwater monitoring plans. MethodsX, 2016, 3, 459-476.	0.7	47
27	Biosorbents for the removal of synthetic organics and emerging pollutants: Opportunities and challenges for developing countries. Environmental Development, 2016, 19, 84-89.	1.8	96
28	Emerging contaminants in the environment: Risk-based analysis for better management. Chemosphere, 2016, 154, 350-357.	4.2	191
29	Removal of halogenated emerging contaminants from water by nitrogen-doped graphene decorated with palladium nanoparticles: Experimental investigation and theoretical analysis. Water Research, 2016, 98, 235-241.	5.3	26
30	Photoactive and metal-free polyamide-based polymers for water and wastewater treatment under visible light irradiation. Applied Catalysis B: Environmental, 2016, 193, 226-233.	10.8	46
31	Rapid analysis of diclofenac and some of its transformation products in the three-spined stickleback, <i>Gasterosteus aculeatus</i> , by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 4435-4444.	1.9	10
32	Biochar-based nano-composites for the decontamination of wastewater: A review. Bioresource Technology, 2016, 212, 318-333.	4.8	654
33	Pharmaceuticals and the Environment (PiE): Evolution and impact of the published literature revealed by bibliometric analysis. Science of the Total Environment, 2016, 562, 391-426.	3.9	128
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35	The chlorination behaviour and environmental fate of the antiretroviral drug nevirapine in South African surface water. Water Research, 2016, 104, 349-360.	5.3	36
36	Testing plasmid stability of <i>Escherichia coli</i> using the Continuously Operated Shaken BIOreactor System. Biotechnology Progress, 2016, 32, 1418-1425.	1.3	20
37	Perspectives on the feasibility of using microalgae for industrial wastewater treatment. Bioresource Technology, 2016, 222, 485-497.	4.8	333

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38	Joint interpretation of enantiomer and stable isotope fractionation for chiral pesticides degradation. <i>Water Research</i> , 2016, 105, 178-186.	5.3	18
39	Fate and mass balance of contaminants of emerging concern during wastewater treatment determined using the fractionated approach. <i>Science of the Total Environment</i> , 2016, 573, 1147-1158.	3.9	37
40	Do waterbody classifications predict water quality?. <i>Journal of Environmental Management</i> , 2016, 183, 1-12.	3.8	11
41	Removal of pharmaceutical industry pollutants by coal-based activated carbons. <i>Chemical Engineering Research and Design</i> , 2016, 104, 294-303.	2.7	48
43	Drugs of abuse in drinking water – a review of current detection methods, occurrence, elimination and health risks. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 232-240.	5.8	24
44	Simultaneous determination of 24 personal care products in fish muscle and liver tissues using QuEChERS extraction coupled with ultra pressure liquid chromatography-tandem mass spectrometry and gas chromatography-mass spectrometer analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8177-8193.	1.9	41
45	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 277-285.	1.9	57
46	Estrogenic compounds in Tunisian urban sewage treatment plant: occurrence, removal and ecotoxicological impact of sewage discharge and sludge disposal. <i>Ecotoxicology</i> , 2016, 25, 1849-1857.	1.1	17
47	Removal of Antibiotics in Biological Wastewater Treatment Systems – A Critical Assessment Using the Activated Sludge Modeling Framework for Xenobiotics (ASM-X). <i>Environmental Science & Technology</i> , 2016, 50, 10316-10334.	4.6	136
48	Electrodialytic treatment of sewage sludge: Current intensity influence on phosphorus recovery and organic contaminants removal. <i>Chemical Engineering Journal</i> , 2016, 306, 1058-1066.	6.6	36
49	A global perspective on the use, occurrence, fate and effects of anti-diabetic drug metformin in natural and engineered ecosystems. <i>Environmental Pollution</i> , 2016, 219, 1007-1020.	3.7	103
50	Specificity of high resolution analysis of naphthenic acids in aqueous environmental matrices. <i>Analytical Methods</i> , 2016, 8, 6764-6773.	1.3	15
51	Solid-phase extraction combined with dispersive liquid-liquid microextraction and chiral liquid chromatography-tandem mass spectrometry for the simultaneous enantioselective determination of representative proton-pump inhibitors in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6381-6392.	1.9	28
52	LC-MS-MS Method for the Analysis of Miscellaneous Drugs in Wastewater During Football Games III. <i>Journal of Analytical Toxicology</i> , 2016, 40, 694-699.	1.7	9
53	Behaviour of emerging contaminants in sewage sludge after anaerobic digestion. <i>Chemosphere</i> , 2016, 163, 296-304.	4.2	59
54	In Situ Calibration of a New Chemcatcher Configuration for the Determination of Polar Organic Micropollutants in Wastewater Effluent. <i>Environmental Science & Technology</i> , 2016, 50, 9469-9478.	4.6	39
55	Experimental and in silico assessment of fate and effects of the antipsychotic drug quetiapine and its bio- and phototransformation products in aquatic environments. <i>Environmental Pollution</i> , 2016, 218, 66-76.	3.7	12
56	Presence of pharmaceuticals in the Lis river (Portugal): Sources, fate and seasonal variation. <i>Science of the Total Environment</i> , 2016, 573, 164-177.	3.9	230

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57	Combining Biological and Chemical Screenings to Assess Cytotoxicity of Emerging Contaminants in Discharges into Surface Water. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	5
58	Exposure science in an age of rapidly changing climate: challenges and opportunities. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 529-538.	1.8	11
59	Phytotoxicity of 15 common pharmaceuticals on the germination of <i>Lactuca sativa</i> and photosynthesis of <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 22530-22541.	2.7	43
60	Compound-specific isotope analysis (CSIA) of micropollutants in the environment – current developments and future challenges. <i>Current Opinion in Biotechnology</i> , 2016, 41, 60-72.	3.3	131
61	Simultaneous determination of 20 trace organic chemicals in waters by solid-phase extraction (SPE) with triple-quadrupole mass spectrometer (QqQ-MS) and hybrid quadrupole Orbitrap high resolution MS (Q-Orbitrap-HRMS). <i>Chemosphere</i> , 2016, 163, 99-107.	4.2	38
62	Health Effects Associated with Wastewater Treatment, Reuse, and Disposal. <i>Water Environment Research</i> , 2016, 88, 1823-1855.	1.3	12
63	Function of a landscape lake in the reduction of biotoxicity related to trace organic chemicals from reclaimed water. <i>Journal of Hazardous Materials</i> , 2016, 318, 663-670.	6.5	31
64	Antibiotics in the aquatic environments: A review of the European scenario. <i>Environment International</i> , 2016, 94, 736-757.	4.8	852
65	Caffeine impacts in the clam <i>Ruditapes philippinarum</i> : Alterations on energy reserves, metabolic activity and oxidative stress biomarkers. <i>Chemosphere</i> , 2016, 160, 95-103.	4.2	77
66	Adsorptive Removal of Artificial Sweeteners from Water Using Metal-Organic Frameworks Functionalized with Urea or Melamine. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29799-29807.	4.0	85
67	Electrochemical degradation of bisphenol A in chloride electrolyte – Factor analysis and mechanisms study. <i>Electrochimica Acta</i> , 2016, 222, 1144-1152.	2.6	19
68	Towards coupling dispersive liquid-liquid microextraction with hollow fibre liquid phase microextraction for extraction of organic pollutants of agricultural origin. <i>Analytical Chemistry Research</i> , 2016, 10, 28-32.	2.0	15
69	Simultaneous electrochemical quantification of naproxen, acetaminophen and diclofenac using a bare carbon paste electrode. <i>Analytical Methods</i> , 2016, 8, 7868-7872.	1.3	11
70	A novel adsorbent of Ag-FMWCNTs for the removal of SMX from aqueous solution. <i>RSC Advances</i> , 2016, 6, 75855-75861.	1.7	16
71	Temporal variability of micro-organic contaminants in lowland chalk catchments: New insights into contaminant sources and hydrological processes. <i>Science of the Total Environment</i> , 2016, 568, 566-577.	3.9	18
72	Biotransformation of pharmaceuticals by ammonia oxidizing bacteria in wastewater treatment processes. <i>Science of the Total Environment</i> , 2016, 566-567, 796-805.	3.9	74
73	Current sample preparation methodologies for analysis of emerging pollutants in different environmental matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 199-207.	5.8	148
74	Pollutant toxic ions and molecules. A global pollution problem: trends in detection and protection. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24419-24421.	2.7	9

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75	Mainstream partial nitrification and anammox: long-term process stability and effluent quality at low temperatures. <i>Water Research</i> , 2016, 101, 628-639.	5.3	420
76	Lessons learned: Are engineered nanomaterials toxic to terrestrial plants?. <i>Science of the Total Environment</i> , 2016, 568, 470-479.	3.9	144
77	Markers of anthropogenic contamination: A validated method for quantification of pharmaceuticals, illicit drug metabolites, perfluorinated compounds, and plasticisers in sewage treatment effluent and rain runoff. <i>Chemosphere</i> , 2016, 159, 638-646.	4.2	30
78	Occurrence of pharmaceuticals and cocaine in a Brazilian coastal zone. <i>Science of the Total Environment</i> , 2016, 548-549, 148-154.	3.9	158
79	Selected analytical challenges in the determination of pharmaceuticals in drinking/marine waters and soil/sediment samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 271-296.	1.4	88
80	Pharmaceuticals, endocrine disruptors, personal care products, nanomaterials and perfluorinated pollutants: a review. <i>Environmental Chemistry Letters</i> , 2016, 14, 27-49.	8.3	329
81	New insights into the transformation of trimethoprim during biological wastewater treatment. <i>Water Research</i> , 2016, 88, 550-557.	5.3	84
82	The urgent need for risk assessment on the antibiotic resistance spread via sewage sludge land application. <i>Environment International</i> , 2016, 87, 49-55.	4.8	219
83	Estimate of uptake and translocation of emerging organic contaminants from irrigation water concentration in lettuce grown under controlled conditions. <i>Journal of Hazardous Materials</i> , 2016, 305, 139-148.	6.5	116
84	NEW INSIGHTS ON THE KINETICS AND MECHANISM OF THE ELECTROCHEMICAL OXIDATION OF DICLOFENAC IN NEUTRAL AQUEOUS MEDIUM. <i>Electrochimica Acta</i> , 2016, 199, 92-98.	2.6	31
85	Occurrence, impacts and removal of emerging substances of concern from wastewater. <i>Environmental Technology and Innovation</i> , 2016, 5, 161-175.	3.0	75
86	Is the combination of nanofiltration membranes and AOPs for removing microcontaminants cost effective in real municipal wastewater effluents?. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 511-520.	1.2	40
87	Sources and transport of contaminants of emerging concern: A two-year study of occurrence and spatiotemporal variation in a mixed land use watershed. <i>Science of the Total Environment</i> , 2016, 551-552, 605-613.	3.9	134
88	Assessing the risk associated with the presence of emerging organic contaminants in sludge-amended soil: A country-level analysis. <i>Science of the Total Environment</i> , 2016, 548-549, 280-288.	3.9	79
89	Preparation of molecularly imprinted solid-phase microextraction fiber for the selective removal and extraction of the antiviral drug abacavir in environmental and biological matrices. <i>Analytica Chimica Acta</i> , 2016, 913, 63-75.	2.6	80
90	Role of humic substances in the degradation pathways and residual antibacterial activity during the photodecomposition of the antibiotic ciprofloxacin in water. <i>Water Research</i> , 2016, 94, 1-9.	5.3	121
91	Rapid Screening for Exposure to "Non-Target" Pharmaceuticals from Wastewater Effluents by Combining HRMS-Based Suspect Screening and Exposure Modeling. <i>Environmental Science & Technology</i> , 2016, 50, 6698-6707.	4.6	125
92	Detection of endocrine active substances in the aquatic environment in southern Taiwan using bioassays and LC-MS/MS. <i>Chemosphere</i> , 2016, 152, 214-220.	4.2	22

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93	Micropollutants removal from retentates generated in ultrafiltration and nanofiltration treatments of municipal secondary effluents by means of coagulation, oxidation, and adsorption processes. <i>Chemical Engineering Journal</i> , 2016, 289, 48-58.	6.6	89
94	Assessing the treatment of acetaminophen-contaminated brewery wastewater by an anaerobic packed-bed reactor. <i>Journal of Environmental Management</i> , 2016, 168, 273-279.	3.8	17
95	In situ synthesis of In ₂ S ₃ @MIL-125(Ti) core-shell microparticle for the removal of tetracycline from wastewater by integrated adsorption and visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 19-29.	10.8	538
96	Concentration and risk of pharmaceuticals in freshwater systems are related to the population density and the livestock units in Iberian Rivers. <i>Science of the Total Environment</i> , 2016, 540, 267-277.	3.9	169
97	Seasonal occurrence, removal, mass loading and environmental risk assessment of 55 pharmaceuticals and personal care products in a municipal wastewater treatment plant in Central Greece. <i>Science of the Total Environment</i> , 2016, 543, 547-569.	3.9	384
98	Water Analysis: Emerging Contaminants and Current Issues. <i>Analytical Chemistry</i> , 2016, 88, 546-582.	3.2	348
99	A novel ceramic membrane coated with MnO ₂ @Co ₃ O ₄ nanoparticles catalytic ozonation for benzophenone-3 degradation in aqueous solution: Fabrication, characterization and performance. <i>Chemical Engineering Journal</i> , 2016, 287, 381-389.	6.6	102
100	Environmental fate of the fungicide metalaxyl in soil amended with composted olive-mill waste and its biochar: An enantioselective study. <i>Science of the Total Environment</i> , 2016, 541, 776-783.	3.9	63
101	Ecotoxic pharmaceuticals, personal care products, and other emerging contaminants: A review of environmental, receptor-mediated, developmental, and epigenetic toxicity with discussion of proposed toxicity to humans. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 336-381.	6.6	149
102	Ecotoxicity evaluation of a WWTP effluent treated by solar photo-Fenton at neutral pH in a raceway pond reactor. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1093-1104.	2.7	40
103	Pharmaceuticals and Personal-Care Products in Plants. <i>Trends in Plant Science</i> , 2017, 22, 194-203.	4.3	162
104	Micropollutant-induced tolerance of in situ periphyton: Establishing causality in wastewater-impacted streams. <i>Water Research</i> , 2017, 111, 185-194.	5.3	42
105	Removal of nitroimidazole antibiotics from water by adsorption over metal-organic frameworks modified with urea or melamine. <i>Chemical Engineering Journal</i> , 2017, 315, 92-100.	6.6	186
106	Drug product immobilization in recycled polyethylene/polypropylene reclaimed from municipal solid waste: experimental and numerical assessment. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3064-3073.	1.2	1
107	The fate of pharmaceuticals and personal care products (PPCPs), endocrine disrupting contaminants (EDCs), metabolites and illicit drugs in a WWTW and environmental waters. <i>Chemosphere</i> , 2017, 174, 437-446.	4.2	486
108	Size-dependent impact of inorganic nanoparticles on sulfamethoxazole adsorption by carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017, 316, 160-170.	6.6	42
109	Morphological and behavioral responses of zebrafish after 24 h of ketamine embryonic exposure. <i>Toxicology and Applied Pharmacology</i> , 2017, 321, 27-36.	1.3	41
110	Embryotoxic and genotoxic effects of sewage effluents in zebrafish embryo using multiple endpoint testing. <i>Water Research</i> , 2017, 115, 9-21.	5.3	44

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111	Bioconcentration and Biotransformation of Amitriptyline in Gilt-Head Bream. <i>Environmental Science & Technology</i> , 2017, 51, 2464-2471.	4.6	20
112	<i>Gammarus fossarum</i> as a sensitive tool to reveal residual toxicity of treated wastewater effluents. <i>Science of the Total Environment</i> , 2017, 584-585, 1012-1021.	3.9	19
113	Separation of anionic surfactant in paste form from its aqueous solutions using foam fractionation. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1586-1598.	3.3	21
114	Removal of emerging organic contaminants with a pilot-scale biofilter packed with natural manganese oxides. <i>Chemical Engineering Journal</i> , 2017, 317, 454-460.	6.6	39
115	Methyl-triclosan and triclosan impact embryonic development of <i>Danio rerio</i> and <i>Paracentrotus lividus</i> . <i>Ecotoxicology</i> , 2017, 26, 482-489.	1.1	42
116	l-cysteine-reduced graphene oxide/poly(vinyl alcohol) ultralight aerogel as a broad-spectrum adsorbent for anionic and cationic dyes. <i>Journal of Materials Science</i> , 2017, 52, 5807-5821.	1.7	47
117	Denatonium – A so far unrecognized but ubiquitous water contaminant?. <i>Water Research</i> , 2017, 112, 254-260.	5.3	14
118	Multi-residue determination of micropollutants in <i>Phragmites australis</i> from constructed wetlands using microwave assisted extraction and ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 959, 91-101.	2.6	26
119	Sonochemical synthesis of CaBi ₆ O ₁₀ nanoplates: photocatalytic degradation of organic pollutants (ciprofloxacin and methylene blue) and oxidizing species study (h ⁺ , •OH, •O ₂ ⁻) and Biotechnology, 2017, 92, 1496-1502.	1.6	19
120	Response of <i>Lemna gibba</i> L. to high and environmentally relevant concentrations of ibuprofen: Removal, metabolism and morpho-physiological traits for biomonitoring of emerging contaminants. <i>Science of the Total Environment</i> , 2017, 584-585, 363-373.	3.9	60
121	Preparation of PPy/cellulose fibre as an effective potassium diclofenac adsorbent. <i>Reactive and Functional Polymers</i> , 2017, 113, 40-49.	2.0	36
122	Porous materials for the sorption of emerging organic pollutants from aqueous systems: The case for conjugated microporous polymers. <i>Journal of Water Process Engineering</i> , 2017, 16, 223-232.	2.6	16
123	A strategic screening approach to identify transformation products of organic micropollutants formed in natural waters. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 488-498.	1.7	23
124	Effects of 18 pharmaceuticals on the physiological diversity of edaphic microorganisms. <i>Science of the Total Environment</i> , 2017, 595, 441-450.	3.9	56
125	Plasma-based water purification: Challenges and prospects for the future. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	267
126	Environmental photochemistry of fenamate NSAIDs and their radical intermediates. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 656-665.	1.7	23
127	Identification of Mutagenic Aromatic Amines in River Samples with Industrial Wastewater Impact. <i>Environmental Science & Technology</i> , 2017, 51, 4681-4688.	4.6	33
128	Occurrences and removal of pharmaceuticals and personal care products (PPCPs) in drinking water and water/sewage treatment plants: A review. <i>Science of the Total Environment</i> , 2017, 596-597, 303-320.	3.9	1,131

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129	Stir bar sorptive extraction and liquid chromatography-tandem mass spectrometry determination of polar and non-polar emerging and priority pollutants in environmental waters. <i>Journal of Chromatography A</i> , 2017, 1500, 43-52.	1.8	78
130	Influence of acids, bases and surfactants on the photocatalytic degradation of a model dye rhodamine B. <i>Journal of Molecular Liquids</i> , 2017, 236, 395-403.	2.3	41
131	Sulfonamides photoassisted oxidation treatments catalyzed by ilmenite. <i>Chemosphere</i> , 2017, 180, 523-530.	4.2	29
132	A survey on trace organic chemicals in a German water protection area and the proposal of relevant indicators for anthropogenic influences. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 244.	1.3	42
133	Microbial community compositional analysis for membrane bioreactor treating antibiotics containing wastewater. <i>Chemical Engineering Journal</i> , 2017, 325, 300-309.	6.6	131
134	MOF-derived magnetic porous carbon-based sorbent: Synthesis, characterization, and adsorption behavior of organic micropollutants. <i>Advanced Powder Technology</i> , 2017, 28, 1769-1779.	2.0	92
135	Comparison of dilution factors for German wastewater treatment plant effluents in receiving streams to the fixed dilution factor from chemical risk assessment. <i>Science of the Total Environment</i> , 2017, 598, 805-813.	3.9	40
136	UV-assisted electrochemical degradation of coumarin on boron-doped diamond electrodes. <i>Chemical Engineering Journal</i> , 2017, 323, 512-519.	6.6	48
137	Acute effects of amitriptyline on adult zebrafish: Potential relevance to antidepressant drug screening and modeling human toxidromes. <i>Neurotoxicology and Teratology</i> , 2017, 62, 27-33.	1.2	46
138	Synthesis, Characterization, and Photocatalytic Application of Iron Oxalate Capped Fe, Fe-Cu, Fe-Co, and Fe-Mn Oxide Nanomaterial. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 310-324.	3.2	39
139	Catalytic photodegradation of pharmaceuticals-homogeneous and heterogeneous photocatalysis. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 67-71.	1.6	27
140	Critical evaluation of monitoring strategy for the multi-residue determination of 90 chiral and achiral micropollutants in effluent wastewater. <i>Science of the Total Environment</i> , 2017, 579, 569-578.	3.9	40
141	Degradation of Emerging Organic Contaminants in an Agricultural Soil: Decoupling Biotic and Abiotic Processes. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	18
142	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017, 601-602, 1849-1868.	3.9	151
143	Comparison of the culture and harvesting of <i>Chlorella vulgaris</i> and <i>Tetradesmus obliquus</i> for the removal of pharmaceuticals from water. <i>Journal of Applied Phycology</i> , 2017, 29, 1179-1193.	1.5	37
144	Electrochemical Advanced Oxidation Processes (EAOP) to degrade per- and polyfluoroalkyl substances (PFASs). <i>Journal of Advanced Oxidation Technologies</i> , 2017, 20, .	0.5	21
145	Salicylic acid determination in estuarine and riverine waters using hollow fiber liquid-phase microextraction and capillary zone electrophoresis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15748-15755.	2.7	13
146	Enhanced visible-light-driven photocatalytic removal of refractory pollutants by Zn/Fe mixed metal oxide derived from layered double hydroxide. <i>Catalysis Communications</i> , 2017, 99, 15-19.	1.6	54

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295	One-pot hydrothermal synthesis of g-C ₃ N ₄ /Ag/AgCl/BiVO ₄ micro-flower composite for the visible light degradation of ibuprofen. <i>Chemical Engineering Journal</i> , 2018, 341, 248-261.	6.6	95
296	Misfit between physical affectedness and regulatory embeddedness: The case of drinking water supply along the Rhine River. <i>Global Environmental Change</i> , 2018, 48, 136-150.	3.6	25
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302	Sorption of diclofenac onto functionalized mesoporous silicas: Experimental and theoretical investigations. <i>Microporous and Mesoporous Materials</i> , 2018, 264, 254-264.	2.2	50
303	Stereochemistry of ephedrine and its environmental significance: Exposure and effects directed approach. <i>Journal of Hazardous Materials</i> , 2018, 348, 39-46.	6.5	23
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1190	Recent progress in green and biopolymer based photocatalysts for the abatement of aquatic pollutants. <i>Environmental Research</i> , 2021, 199, 111324.	3.7	24
1191	Diatomite cross-linked β -cyclodextrin polymers: A novel vision of diatomite adsorbent for the removal of bisphenol A. <i>Environmental Technology and Innovation</i> , 2021, 23, 101602.	3.0	13
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1196	Sulfur-modified chitosan derived N,S-co-doped carbon as a bifunctional material for adsorption and catalytic degradation sulfamethoxazole by persulfate. <i>Journal of Hazardous Materials</i> , 2022, 424, 127270.	6.5	70
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1199	Comparison of POCIS and grab sampling techniques for monitoring PPCPs in vernal pools in central Pennsylvania. <i>Science of the Total Environment</i> , 2022, 806, 150607.	3.9	5
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1204	Multifactorial Evaluation of Atenolol, Caffeine, Carbamazepine and Ibuprofen on <i>Raphidocelis subcapitata</i> and <i>Chlorella vulgaris</i> . <i>Biology</i> , 2021, 10, 926.	1.3	1
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1209	Future research needs for environmental science in China. <i>Geography and Sustainability</i> , 2021, , .	1.9	3
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1228	In situ nanoremediation of soils and groundwaters from the nanoparticle's standpoint: A review. <i>Science of the Total Environment</i> , 2021, 791, 148324.	3.9	42
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1242	Comparative study the impact of single and double vacancy defects in BC ₃ fragment on the acetaminophen detection. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108880.	1.8	1

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1260	Implanted-Electron-hydrogen boosted breaking of W O bonds to generate crater/oxygen vacancy filled WO ₃ nanoflakes for efficient oxidation of emerging pollutant. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161831.	2.8	12

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