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Pharmaceuticals and personal care products in the aquatic environment in China: a review

DOI: 10.1016/j.jhazmat.2013.08.040

Journal of Hazardous Materials, 2013, 262, 189-211.

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**Version:** 2024-04-28

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699	Studies on oxidative radiolysis of ibuprofen in presence of potassium persulfate. <b>2014</b> , 100, 38-44		38
698	Effects of acute exposure to the non-steroidal anti-inflammatory drug ibuprofen on the developing North American Bullfrog ( <i>Rana catesbeiana</i> ) tadpole. <b>2014</b> , 48, 10439-47		52
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530	Processes of distribution of pharmaceuticals in surface freshwaters: implications for risk assessment. <b>2018</b> , 16, 1193-1216	18
529	Controlled hydrothermal synthesis of bismuth oxychloride/bismuth oxybromide/bismuth oxyiodide composites exhibiting visible-light photocatalytic degradation of 2-hydroxybenzoic acid and crystal violet. <b>2018</b> , 526, 322-336	81
528	Typical pharmaceuticals in major WWTPs in Beijing, China: Occurrence, load pattern and calculation reliability. <b>2018</b> , 140, 291-300	50
527	Monitoring, mass balance and fate of pharmaceuticals and personal care products in seven wastewater treatment plants in Xiamen City, China. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 354, 81-90	12.8 65
526	Multimedia fate modeling and risk assessment of antibiotics in a water-scarce megacity. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 348, 75-83	12.8 58
525	Typical pharmaceutical molecule removal behavior from water by positively and negatively charged composite hollow fiber nanofiltration membranes.. <b>2018</b> , 8, 10396-10408	22

524	Aqueous multivariate phototransformation kinetics of dissociated tetracycline: implications for the photochemical fate in surface waters. <b>2018</b> , 25, 15726-15732		11
523	Global review and analysis of erythromycin in the environment: Occurrence, bioaccumulation and antibiotic resistance hazards. <b>2018</b> , 238, 440-451		77
522	Multiresidue determination and predicted risk assessment of contaminants of emerging concern in marine sediments from the vicinities of submarine sewage outfalls. <b>2018</b> , 129, 299-307		37
521	Occurrence of pharmaceuticals and personal care products, and their associated environmental risks in Guanting Reservoir and its upstream rivers in north China.. <b>2018</b> , 8, 4703-4712		25
520	Developments of solid-phase microextraction fiber coatings for environmental pharmaceutical and personal care products analysis. <b>2018</b> , 37,		9
519	Select antibiotics in leachate from closed and active landfills exceed thresholds for antibiotic resistance development. <b>2018</b> , 115, 89-96		34
518	Adsorption and Thermodynamics of Pharmaceuticals, Acyclovir and Fluconazole, onto Quartz Sand Under Static and Dynamic Conditions. <b>2018</b> , 35, 909-917		9
517	ZIF-67 derived hollow cobalt sulfide as superior adsorbent for effective adsorption removal of ciprofloxacin antibiotics. <b>2018</b> , 344, 95-104		125
516	Preparation of RuO-TiO/Nano-graphite composite anode for electrochemical degradation of ceftriaxone sodium. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 351, 250-259	12.8	53
515	Adsorptive removal of anti-inflammatory drugs from water using graphene oxide/metal-organic framework composites. <b>2018</b> , 335, 74-81		96
514	Study of pharmaceuticals in surface and wastewater from Cuernavaca, Morelos, Mexico: Occurrence and environmental risk assessment. <b>2018</b> , 613-614, 1263-1274		179
513	Effects of NOM on the degradation of chloramphenicol by UV/H <sub>2</sub> O <sub>2</sub> and the characteristics of degradation products. <b>2018</b> , 191, 108-115		19
512	A duodecennial national synthesis of antibiotics in China's major rivers and seas (2005-2016). <b>2018</b> , 615, 906-917		197
511	Mass loading and emission of thirty-seven pharmaceuticals in a typical municipal wastewater treatment plant in Hunan Province, Southern China. <b>2018</b> , 147, 530-536		43
510	Influence of wastewater pre-coagulation on adsorptive filtration of pharmaceutical and personal care products by carbon nanotube membranes. <b>2018</b> , 333, 66-75		39
509	Chlorination, chloramination and ozonation of carbamazepine enhance cytotoxicity and genotoxicity: Multi-endpoint evaluation and identification of its genotoxic transformation products. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 342, 679-688	12.8	21
508	Derivation of aquatic predicted no-effect concentration (PNEC) for ibuprofen and sulfamethoxazole based on various toxicity endpoints and the associated risks. <b>2018</b> , 193, 223-229		21
507	Synergistic effects between hydroxyl radicals and hydrated electrons on strengthening decomposition of an s-triazine compound: A combined experimental and theoretical study. <b>2018</b> , 195, 365-371		2

506	Competitive adsorption of PPCP and humic substances by carbon nanotube membranes: Effects of coagulation and PPCP properties. <b>2018</b> , 619-620, 352-359	27
505	Presence, concentrations and risk assessment of selected antibiotic residues in sediments and near-bottom waters collected from the Polish coastal zone in the southern Baltic Sea - Summary of 3years of studies. <b>2018</b> , 129, 787-801	47
504	Removal of PhACs and their impacts on membrane fouling in NF/RO membrane filtration of various matrices. <b>2018</b> , 548, 439-448	19
503	Effects of temperature, genetic variation and species competition on the sensitivity of algae populations to the antibiotic enrofloxacin. <b>2018</b> , 148, 228-236	20
502	Characterization of antibiotics in a large-scale river system of China: Occurrence pattern, spatiotemporal distribution and environmental risks. <b>2018</b> , 618, 409-418	129
501	Green pharmacy - a narrative review. <b>2018</b> , 91, 391-398	4
500	Analysis of diclofenac in water samples using in situ derivatization-vortex-assisted liquid-liquid microextraction with gas chromatography-mass spectrometry. <b>2018</b> , 68, 313-324	7
499	Occurrence of Endocrine Disruptor Chemicals in the Urban Water Cycle of Colombia. <b>2018</b> ,	4
498	Identification of mathematical model and parameter estimation of erythromycin migration in two different porous media, based on column tests. <b>2018</b> , 71, 47-53	2
497	Kinetic, equilibrium, and thermodynamic performance of sulfonamides adsorption onto graphene. <b>2018</b> , 25, 36615-36623	17
496	Predictors of urinary antibiotics in children of Shanghai and health risk assessment. <b>2018</b> , 121, 507-514	24
495	Optimization of a dispersive liquid-liquid microextraction method followed by UHPLC analysis for fluoxetine quantification in environmental water resources. <b>2018</b> , 41, 4246-4252	1
494	Removal of sulfonamide antibiotics and human metabolite by biochar and biochar/HO in synthetic urine. <b>2018</b> , 147, 91-100	86
493	Glucose-Reduced Nano-Graphene Oxide with Excellent Accumulation Removal of Pharmaceuticals and Personal Care Products from Water. <b>2018</b> , 05,	1
492	Genotoxicity and by-products assessment in degradation and mineralization of Ciprofloxacin by UV/H <sub>2</sub> O <sub>2</sub> process. <b>2018</b> , 6, 6979-6988	10
491	Exposure of Adults to Antibiotics in a Shanghai Suburban Area and Health Risk Assessment: A Biomonitoring-Based Study. <b>2018</b> , 52, 13942-13950	32
490	Halloysite Nanotubes as an Effective and Recyclable Adsorbent for Removal of Low-Concentration Antibiotics Ciprofloxacin. <b>2018</b> , 8, 387	18
489	Comparative study of the toxicity between three non-steroidal anti-inflammatory drugs and their UV/NaSO degradation products on <i>Cyprinus carpio</i> . <b>2018</b> , 8, 13512	13

488	Facile synthesis of FeO@MOF-100(Fe) magnetic microspheres for the adsorption of diclofenac sodium in aqueous solution. <b>2018</b> , 25, 31705-31717	31
487	Degradation of diclofenac by HO <sup>•</sup> activated with pre-magnetization Fe: Influencing factors and degradation pathways. <b>2018</b> , 212, 853-862	41
486	Carboxylic acid-functionalized cadmium sulfide/graphitic carbon nitride composite photocatalyst with well-combined interface for sulfamethazine degradation. <b>2018</b> , 364, 22-31	16
485	Prioritization of highly exposable pharmaceuticals via a suspect/non-target screening approach: A case study for Yeongsan River, Korea. <b>2018</b> , 639, 570-579	46
484	Research progress on distribution, migration, transformation of antibiotics and antibiotic resistance genes (ARGs) in aquatic environment. <b>2018</b> , 38, 1195-1208	73
483	Relationship between the structure of Fe-MCM-48 and its activity in catalytic ozonation for diclofenac mineralization. <b>2018</b> , 206, 615-621	24
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481	Magnetic copper-based metal organic framework as an effective and recyclable adsorbent for removal of two fluoroquinolone antibiotics from aqueous solutions. <b>2018</b> , 528, 360-371	148
480	Occurrence and ecotoxicological assessment of pharmaceuticals: Is there a risk for the Mediterranean aquatic environment?. <b>2018</b> , 639, 1334-1348	141
479	Light-responsive UiO-66-NH <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> MOF-nanoparticle composites for the capture and release of sulfamethoxazole. <b>2018</b> , 350, 436-444	81
478	Contaminants of emerging concern in landfill leachate in China: A review. <b>2018</b> , 4, 1-10	66
477	The occurrence of home and personal care products in the Haihe River catchment and estimation of human exposure. <b>2018</b> , 643, 63-72	18
476	Degradation of prednisone in aqueous solutions by electron beam irradiation. <b>2018</b> , 317, 747-756	1
475	Occurrence and Risk Assessment of Personal Care Products in Subtropical Urban Rivers. <b>2018</b> , 35, 1263-1272	10
474	Antibiotic resistance genes in China: occurrence, risk, and correlation among different parameters. <b>2018</b> , 25, 21467-21482	32
473	The dual function of the algal treatment: Antibiotic elimination combined with CO <sub>2</sub> fixation. <b>2018</b> , 211, 192-201	19
472	Decomposition of Contaminants of Emerging Concern in Advanced Oxidation Processes. <b>2018</b> , 10, 955	27
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470	Decomposition of Contaminants of Emerging Concern in Advanced Oxidation Processes. <b>2018</b> , 2, 180	4
469	Bioaccumulation, tissue distribution and joint toxicity of erythromycin and cadmium in Chinese mitten crab ( <i>Eriocheir sinensis</i> ). <b>2018</b> , 210, 267-278	15
468	Membrane Bioreactor for Pharmaceuticals and Personal Care Products Removal From Wastewater. <b>2018</b> , 81, 201-256	10
467	The Correlation of Adsorption Behavior between Ciprofloxacin Hydrochloride and the Active Sites of Fe-doped MCM-41. <b>2018</b> , 6, 17	17
466	Occurrence, fate and removal of pharmaceuticals, personal care products and pesticides in wastewater stabilization ponds and receiving rivers in the Nzoia Basin, Kenya. <b>2018</b> , 637-638, 336-348	60
465	Antibiotics in water and sediments of rivers and coastal area of Zhuhai City, Pearl River estuary, south China. <b>2018</b> , 636, 1009-1019	85
464	Transformation of naproxen during the chlorination process: Products identification and quantum chemistry validation. <b>2018</b> , 211, 1007-1017	19
463	Organic contaminants in the effluent of Chinese wastewater treatment plants. <b>2018</b> , 25, 26852-26860	14
462	Organic micropollutants removal in sequential batch reactor followed by nanofiltration from municipal wastewater treatment. <b>2018</b> , 268, 648-657	23
461	Removal of selected pharmaceuticals and personal care products in reclaimed water during simulated managed aquifer recharge. <b>2018</b> , 640-641, 671-677	19
460	A Review on the Removal of Pharmaceutical and Personal Care Products (PPCPs) using Advanced Oxidation Processes. <b>2018</b> , 21, 196-214	25
459	Elucidation of the oxidation mechanisms and pathways of sulfamethoxazole degradation under Fe(II) activated percarbonate treatment. <b>2018</b> , 640-641, 973-980	25
458	Oxygen vacancies and phosphorus codoped black titania coated carbon nanotube composite photocatalyst with efficient photocatalytic performance for the degradation of acetaminophen under visible light irradiation. <b>2018</b> , 352, 947-956	59
457	Contamination and risk profiles of triclosan and triclocarban in sediments from a less urbanized region in China. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 357, 376-383	12.8 26
456	Photocatalytic degradation of metformin and amoxicillin in synthetic hospital wastewater: effect of classical parameters. <b>2019</b> , 16, 5463-5474	19
455	Selective effect and elimination of antibiotics in membrane bioreactor of urban wastewater treatment plant. <b>2019</b> , 646, 1293-1303	38
454	Metagenomic insights into the diversity and functions of microbial assemblages in lakes. <b>2019</b> , 175-223	2
453	Seasonal and spatial variations of pharmaceuticals and personal care products occurrence and human health risk in drinking water - A case study of China. <b>2019</b> , 694, 133711	31

452	Determination of Sulfamethoxazole Degradation Rate by an in Situ Experiment in a Reducing Alluvial Aquifer of the North China Plain. <b>2019</b> , 53, 10620-10628	7
451	Occurrence and health risk assessment of pharmaceutical and personal care products (PPCPs) in tap water of Shanghai. <b>2019</b> , 183, 109497	38
450	Catalytic Ozonation of Sulfamethoxazole in the Presence of CuO/Al <sub>2</sub> O <sub>3</sub> -EPC: Optimization, Degradation Pathways, and Toxicity Evaluation. <b>2019</b> , 36, 912-921	6
449	Low-dose tetracycline exposure alters gut bacterial metabolism and host-immune response: "Personalized" effect?. <b>2019</b> , 131, 104989	18
448	Removal and biotransformation pathway of antibiotic sulfamethoxazole from municipal wastewater treatment by anaerobic membrane bioreactor. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120894	12.8 27
447	Novel mesoporous organosilica nanoparticles with ferrocene group for efficient removal of contaminants from wastewater. <b>2019</b> , 554, 565-571	17
446	Persistence and migration of tetracycline, sulfonamide, fluoroquinolone, and macrolide antibiotics in streams using a simulated hydrodynamic system. <b>2019</b> , 252, 1532-1538	28
445	Systematic evaluation of TiO <sub>2</sub> -GO-modified ceramic membranes for water treatment: Retention properties and fouling mechanisms. <b>2019</b> , 378, 122138	34
444	Which type of pollutants need to be controlled with priority in wastewater treatment plants: Traditional or emerging pollutants?. <b>2019</b> , 131, 104982	47
443	Efficient degradation of pharmaceutical micropollutants in water and wastewater by Fe-NTA-catalyzed neutral photo-Fenton process. <b>2019</b> , 688, 513-520	34
442	Photocatalytic degradation of norfloxacin using N-doped TiO: Optimization, mechanism, identification of intermediates and toxicity evaluation. <b>2019</b> , 237, 124433	55
441	Pedotransfer functions to estimate the adsorption and desorption of sulfadiazine in agricultural soils. <b>2019</b> , 691, 933-942	15
440	Sulfadiazine biodegradation by <i>Phanerochaete chrysosporium</i> : Mechanism and degradation product identification. <b>2019</b> , 237, 124418	17
439	Occurrence and distribution of pharmaceutical compounds in the Danshuei River Estuary and the Northern Taiwan Strait. <b>2019</b> , 146, 509-520	14
438	Occurrence, spatial variation and risk assessment of pharmaceuticals and personal care products in urban wastewater, canal surface water, and their sediments: A case study of Lahore, Pakistan. <b>2019</b> , 688, 653-663	55
437	Removal and dissipation pathway of typical fluoroquinolones in sewage sludge during aerobic composting. <b>2019</b> , 95, 450-457	10
436	Occurrence of emerging contaminants in environmental surface waters and their analytical methodology: A review. <b>2019</b> , 19, 1871-1884	28
435	Biogeochemical characteristics and ecological risk assessment of pharmaceutically active compounds (PhACs) in the surface seawaters of Jiaozhou Bay, North China. <b>2019</b> , 255, 113247	18



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433	Distribution and Chemical Analysis of Pharmaceuticals and Personal Care Products (PPCPs) in the Environmental Systems: A Review. <b>2019</b> , 16,		28
432	Degradation and volatilization process of fragrance materials and triclosan in wastewater treatment plant [Comparison between field survey and laboratory experiment] <b>2019</b> , 16, 100438		1
431	Magnetic aluminum-based metal organic framework as a novel magnetic adsorbent for the effective removal of minocycline from aqueous solutions. <b>2019</b> , 255, 113226		24
430	Occurrence and removal of sulfonamides and their acetyl metabolites in a biological aerated filter (BAF) of wastewater treatment plant in Xiamen, South China. <b>2019</b> , 26, 33363-33372		6
429	Immobilization of laccase onto meso-MIL-53(Al) via physical adsorption for the catalytic conversion of triclosan. <b>2019</b> , 184, 109670		25
428	Occurrence and ranking of pharmaceuticals in the major rivers of China. <b>2019</b> , 696, 133991		22
427	On Piroxicam degradation by homogeneous Fenton <sup>II</sup> reaction and the influence of iron cations complexation. <b>2019</b> , 28, 82-87		1
426	Fast mineralization of acetaminophen by highly dispersed Ag-g-C3N4 hybrid assisted photocatalytic ozonation. <b>2019</b> , 216, 1-8		40
425	Emerging contaminants in sediment core from the Iron Gate I Reservoir on the Danube River. <b>2019</b> , 662, 77-87		19
424	Assessment of the effect of methyl-triclosan and its mixture with triclosan on developing zebrafish ( <i>Danio rerio</i> ) embryos using mass spectrometry-based metabolomics. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 186-196	12.8	28
423	Combination of ozonation and electrolysis process to enhance elimination of thirty structurally diverse pharmaceuticals in aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 281-291	12.8	10
422	Inhibition of Soluble Epoxide Hydrolase for Renal Health. <b>2018</b> , 9, 1551		15
421	Direct photo transformation of tetracycline and sulfanamide group antibiotics in surface water: Kinetics, toxicity and site modeling. <b>2019</b> , 686, 1-9		15
420	Insights on the current status of occurrence and removal of antibiotics in wastewater by advanced oxidation processes. <b>2019</b> , 246, 51-62		106
419	Core-Shell Structured Magnetic Covalent Organic Framework Nanocomposites for Triclosan and Triclocarban Adsorption. <b>2019</b> , 11, 22492-22500		64
418	Abiotic and biotic processes of diclofenac in enriched nitrifying sludge: Kinetics, transformation products and reactions. <b>2019</b> , 683, 80-88		9
417	A review of threats to groundwater quality in the anthropocene. <b>2019</b> , 684, 136-154		117

416	Automated online solid-phase extraction liquid chromatography tandem mass spectrometry investigation for simultaneous quantification of per- and polyfluoroalkyl substances, pharmaceuticals and personal care products, and organophosphorus flame retardants in environmental waters. <b>2019</b> , 1602, 350-358	18
415	Occurrence, seasonal variation and risk evaluation of selected endocrine disrupting compounds and their transformation products in Jiulong river and estuary, China. <b>2019</b> , 145, 370-376	14
414	Catalytic ozonation of sulfamethoxazole over FeO/CoO composites. <b>2019</b> , 234, 14-24	79
413	Adsorptive removal of nitroimidazole antibiotics from water using porous carbons derived from melamine-loaded MAF-6. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 378, 120761	12.8 25
412	A method to study antibiotic emission and fate for data-scarce rural catchments. <b>2019</b> , 127, 514-521	12
411	Comparison of ciprofloxacin degradation in reclaimed water by UV/chlorine and UV/persulfate advanced oxidation processes. <b>2019</b> , 91, 1576-1588	12
410	Effects of particle size and solution chemistry on Triclosan sorption on polystyrene microplastic. <b>2019</b> , 231, 308-314	80
409	Simultaneous removal of nitrogen and pharmaceutical and personal care products from the effluent of waste water treatment plants using aerated solid-phase denitrification system. <b>2019</b> , 287, 121389	30
408	Removal of selected pharmaceuticals from aqueous matrices with activated carbon under batch conditions. <b>2019</b> , 148, 661-672	18
407	Optimization of screening-level risk assessment and priority selection of emerging pollutants - The case of pharmaceuticals in European surface waters. <b>2019</b> , 128, 1-10	112
406	Degradation of typical macrolide antibiotic roxithromycin by hydroxyl radical: kinetics, products, and toxicity assessment. <b>2019</b> , 26, 14570-14582	15
405	Effects of dissolved humic acid on fluoroquinolones sorption and retention to kaolinite. <b>2019</b> , 178, 43-50	9
404	Characterization, Source and Risk of Pharmaceutically Active Compounds (PhACs) in the Snow Deposition Near Jiaozhou Bay, North China. <b>2019</b> , 9, 1078	2
403	Synthesis of magnetite hybrid nanocomplexes to eliminate bacteria and enhance biofilm disruption. <b>2019</b> , 7, 2833-2840	19
402	Carbon/montmorillonite hybrids with different activation methods: adsorption of norfloxacin. <b>2019</b> , 25, 1361-1373	8
401	Pharmaceuticals and personal care product (PPCP) contamination— global discharge inventory. <b>2019</b> , 1-26	15
400	Pharmaceuticals and personal care products in aquatic environment: chemicals of emerging concern?. <b>2019</b> , 63-85	4
399	Removal of pharmaceutical and personal care products from wastewater using advanced materials. <b>2019</b> , 173-212	9

398	Electrochemical degradation of ciprofloxacin on BDD anode using a differential column batch reactor: mechanisms, kinetics and pathways. <b>2019</b> , 26, 17740-17750	16
397	A review of multimedia transport and fate models for chemicals: Principles, features and applicability. <b>2019</b> , 668, 881-892	22
396	Mechanistic insight into interactions between tetracycline and two iron oxide minerals with different crystal structures. <b>2019</b> , 366, 577-586	29
395	Catalytic degradation of sulfamethoxazole through peroxymonosulfate activated with expanded graphite loaded CoFe <sub>2</sub> O <sub>4</sub> particles. <b>2019</b> , 369, 403-413	188
394	Pharmaceuticals of Emerging Concern in Aquatic Systems: Chemistry, Occurrence, Effects, and Removal Methods. <b>2019</b> , 119, 3510-3673	679
393	Occurrence and ecological risk of pharmaceuticals and personal care products (PPCPs) and pesticides in typical surface watersheds, China. <b>2019</b> , 175, 289-298	97
392	Passive sampling of polar emerging contaminants in Irish catchments. <b>2019</b> , 79, 218-230	9
391	BiOCl/BiOBr/BiOI/GO quaternary composites: Syntheses and application of visible-light-driven photocatalytic activities. <b>2019</b> , 544, 25-36	67
390	PPCPs in a drinking water treatment plant in the Yangtze River Delta of China: Occurrence, removal and risk assessment. <b>2019</b> , 13, 1	33
389	The beneficial effect of cathodic hydrogen peroxide generation on mitigating chlorinated by-product formation during water treatment by an electro-peroxone process. <b>2019</b> , 157, 209-217	37
388	Graphitic carbon nitride grown in situ on aldehyde-functionalized Fe <sub>3</sub> O <sub>4</sub> : All-solid-state Z-scheme heterojunction for remarkable improvement of photo-oxidation activity. <b>2019</b> , 548, 284-292	19
387	Utilizing low-cost natural waste for the removal of pharmaceuticals from water: Mechanisms, isotherms and kinetics at low concentrations. <b>2019</b> , 227, 88-97	46
386	Constructing carbon dots and CdTe quantum dots multi-functional composites for ultrasensitive sensing and rapid degrading ciprofloxacin. <b>2019</b> , 289, 242-251	27
385	Micropollutant Degradation by the UV/HO Process: Kinetic Comparison among Various Radiation Sources. <b>2019</b> , 53, 5241-5248	16
384	UV-activated persulfate oxidation of sulfamethoxypyridazine: Kinetics, degradation pathways and impact on DBP formation during subsequent chlorination. <b>2019</b> , 370, 706-715	56
383	A bifunctional MoS <sub>2</sub> -based solar evaporator for both efficient water evaporation and clean freshwater collection. <b>2019</b> , 7, 11177-11185	63
382	Study of the Degradation of Trimethoprim Using Photo-Fenton Oxidation Technology. <b>2019</b> , 11, 207	9
381	Enhanced emerging pharmaceuticals removal in wastewater after biotreatment by a low-pressure UVA/Fe <sup>III</sup> -EDDS/H <sub>2</sub> O <sub>2</sub> process under neutral pH conditions. <b>2019</b> , 366, 539-549	18

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379	Effect of Co(II) dopant on the removal of Methylene Blue by a dense copper terephthalate. <b>2019</b> , 81, 68-79	10
378	Bioconcentration, metabolism and the effects of tetracycline on multiple biomarkers in Chironomus riparius larvae. <b>2019</b> , 649, 1590-1598	23
377	Distribution patterns of antibiotic residues in an urban river catchment. <b>2019</b> , 33, 31-39	1
376	Organic Pollutant Degradation in Water by the Vacuum-Ultraviolet/Ultraviolet/HO Process: Inhibition and Enhancement Roles of HO. <b>2019</b> , 53, 912-918	27
375	Pharmaceuticals and personal care products in water, sediments, aquatic organisms, and fish feeds in the Pearl River Delta: Occurrence, distribution, potential sources, and health risk assessment. <b>2019</b> , 659, 230-239	120
374	Mechanism of adsorption of tetracycline and multi-pollutants by graphene oxide (GO) and reduced graphene oxide (rGO). <b>2019</b> , 94, 1176-1186	12
373	Fast retention of isoniazid on organobentonite prepared using green chemistry approach: contribution of the interactions. <b>2019</b> , 54, 2695-2705	3
372	Correlation between antibiotic-induced feeding depression and body size reduction in zooplankton (rotifer, Brachionus calyciflorus): Neural response and digestive enzyme inhibition. <b>2019</b> , 218, 376-383	14
371	Efficient degradation of sulfamethoxazole by the CuO@Al <sub>2</sub> O <sub>3</sub> (EPC) coupled PMS system: Optimization, degradation pathways and toxicity evaluation. <b>2019</b> , 359, 1097-1110	128
370	Promoted peroxymonosulfate activation into singlet oxygen over perovskite for ofloxacin degradation by controlling the oxygen defect concentration. <b>2019</b> , 359, 828-839	110
369	Roles of ammonia-oxidizing bacteria in improving metabolism and cometabolism of trace organic chemicals in biological wastewater treatment processes: A review. <b>2019</b> , 659, 419-441	47
368	Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> with enhanced simulated sunlight photocatalytic activity toward ofloxacin degradation and mechanism insight. <b>2019</b> , 94, 1660-1669	11
367	Effect of redox mediators in pharmaceuticals degradation by laccase: A comparative study. <b>2019</b> , 78, 123-131	33
366	Self-induced Fenton reaction constructed by Fe(III) grafted BiVO <sub>4</sub> nanosheets with improved photocatalytic performance and mechanism insight. <b>2019</b> , 467-468, 673-683	6
365	Pharmaceuticals as chemical markers of wastewater contamination in the vulnerable area of the Ebro Delta (Spain). <b>2019</b> , 652, 952-963	80
364	Selective adsorption and removal of drug contaminants by using an extremely stable Cu(II)-based 3D metal-organic framework. <b>2019</b> , 215, 524-531	81
363	Daptomycin adsorption on magnetic ultra-fine wood-based biochars from water: Kinetics, isotherms, and mechanism studies. <b>2019</b> , 273, 8-15	42

362	High-Resolution MS and MSn Investigation of UV Oxidation Products of Phenazone-type Pharmaceuticals and Metabolites. <b>2019</b> , 82, 261-269	5
361	Synthesis of magnetic CuO/MnFe <sub>2</sub> O <sub>4</sub> nanocomposite and its high activity for degradation of levofloxacin by activation of persulfate. <b>2019</b> , 360, 848-860	116
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359	Determination of antibiotic concentration in meconium and its association with fetal growth and development. <b>2019</b> , 123, 70-78	27
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345	Biological removal of pharmaceuticals by <i>Navicula</i> sp. and biotransformation of bezafibrate. <b>2020</b> , 240, 124949	15

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334	Analysis, occurrence and removal of pharmaceuticals in African water resources: A current status. <b>2020</b> , 253, 109741		57
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331	Evolution and distribution of resistance genes and bacterial community in water and biofilm of a simulated fish-duck integrated pond with stress. <b>2020</b> , 245, 125549		8
330	Adsorption/desorption of sulfamethoxypyridazine and enrofloxacin in agricultural soils. <b>2020</b> , 706, 136015		11
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327	Production of biochar from waste sludge/leaf for fast and efficient removal of diclofenac. <b>2020</b> , 299, 112193		17

326	Electrochemically activated PMS and PDS: Radical oxidation versus nonradical oxidation. <b>2020</b> , 391, 123560	38
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319	Effects of land use and rainfall on sequestration of veterinary antibiotics in soils at the hillslope scale. <b>2020</b> , 260, 114112	13
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308	Low-dose effects on thyroid disruption in zebrafish by long-term exposure to oxytetracycline. <b>2020</b> , 227, 105608		17
307	Adsorptive removal of plasticizer (dimethyl phthalate) and antibiotic (sulfamethazine) from municipal wastewater by magnetic carbon nanotubes. <b>2020</b> , 319, 114267		13
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297	UV-Fenton degradation of diclofenac, sulpiride, sulfamethoxazole and sulfisomidine: Degradation mechanisms, transformation products, toxicity evolution and effect of real water matrix. <b>2020</b> , 258, 127351		20
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282	Fate and toxicity of pharmaceuticals in water environment: An insight on their occurrence in South Asia. <b>2020</b> , 271, 111030	42
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259	The preparation, characterization of TiO <sub>2</sub> -X/Ag <sub>3</sub> PO <sub>4</sub> heterojunctions with enhanced photocatalytic visible-light performance. <b>2021</b> , 852, 156947		14
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257	Synthesis of alkyl-functionalized magnetic for fluoroquinolones removal: Adsorption performance and mechanism studies in single and binary systems. <b>2021</b> , 608, 125549		3
256	Revealing the hydrological transport and attenuation of 14 antibiotics in a low-flow stream. <b>2021</b> , 761, 143288		2
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244	Personal Care Products: Occurrence, Toxicity, and Risks. <b>2021</b> , 205-223	
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242	Development of a pH-parallel approach of quantifying six-category pharmaceuticals in surface water using SPE-HPLC-MS/MS. <b>2021</b> , 3, 1-16	2
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240	Overview of Sample Preparation and Chromatographic Methods to Analysis Pharmaceutical Active Compounds in Waters Matrices. <b>2021</b> , 8, 16	6
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238	Presencia de productos farmacéuticos en el agua y su impacto en el ambiente. <b>2021</b> , 6, 1618-1627	2
237	Selective removal of contaminants of emerging concern (CECs) from urban water cycle via Molecularly Imprinted Polymers (MIPs): Potential of upscaling and enabling reclaimed water reuse. <b>2021</b> , 9, 105051	10

236	Activation of peroxymonosulfate by calcined electroplating sludge for ofloxacin degradation. <b>2021</b> , 266, 128944	8
235	Insight into the Sorption of 5-Fluorouracil and Methotrexate onto Soil-pH, Ionic Strength, and Co-Contaminant Influence. <b>2021</b> , 26,	0
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230	Sorption Behavior of Dicloxacillin in Zeolites Modified with a Cationic Surfactant at Different pH. <b>2021</b> , 232, 1	
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228	Emerging Organic Contaminants in Chinese Surface Water: Identification of Priority Pollutants. <b>2021</b> ,	4
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224	Tuning Surface Functionalization and Pore Structure of UiO-66 MetalOrganic Framework Nanoparticles for Organic Pollutant Elimination. <b>2021</b> , 4, 5486-5495	4
223	Classification, Potential Routes and Risk of Emerging Pollutants/Contaminant.	1
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220	Pharmaceuticals and personal care products and their sublethal and lethal effects in aquatic organisms. <b>2021</b> , 29, 142-181	9
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216	Microporous carbon derived from hydroxyl functionalized organic network for efficient adsorption of flumequine: Adsorption mechanism and application potentials. <b>2021</b> , 427, 130943	8
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210	Removal of pefloxacin from wastewater by dielectric barrier discharge plasma: Mechanism and degradation pathways. <b>2021</b> , 9, 105720	6
209	Photodegradation of fragrance materials and triclosan in water: Direct photolysis and photosensitized degradation. <b>2021</b> , 23, 101766	4
208	Dissipation Dynamics of Doxycycline and Gatifloxacin and Accumulation of Heavy Metals during Broiler Manure Aerobic Composting. <b>2021</b> , 26,	1
207	Tuning band structure of graphitic carbon nitride for efficient degradation of sulfamethazine: Atmospheric condition and theoretical calculation. <b>2021</b> ,	2
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203	The settling of resuspended lake sediment related to physicochemical properties of particles of different sizes: Implication for environmental remediation. <b>2021</b> , 36, 542-554	3
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199	Ecotoxicological effects, environmental fate and risks of pharmaceutical and personal care products in the water environment: A review. <b>2021</b> , 788, 147819	36
198	Occurrence of Pharmaceutically Active Compounds and Potential Ecological Risks in Wastewater from Hospitals and Receiving Waters in Sri Lanka. <b>2021</b> ,	0
197	A critical review on the distribution and ecological risk assessment of steroid hormones in the environment in China. <b>2021</b> , 786, 147452	13
196	Future research needs for environmental science in China. <b>2021</b> ,	0
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193	g-CN/MoS based floating solar still for clean water production by thermal/light activation of persulfate. <b>2021</b> , 280, 130618	4
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191	Efficacy of a novel electrochemical membrane-aerated biofilm reactor for removal of antibiotics from micro-polluted surface water and suppression of antibiotic resistance genes. <b>2021</b> , 338, 125527	8
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188	Development of gold nanoparticles-aptamer nanocomposite for multiplexed analysis of antibiotics and design of molecular logic gates. <b>2021</b> , 33,	
187	Occurrence and risk assessment of pharmaceuticals and personal care products (PPCPs) against COVID-19 in lakes and WWTP-river-estuary system in Wuhan, China. <b>2021</b> , 792, 148352	18
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