

CITATION REPORT

List of articles citing

Urban wastewater treatment plants as hotspots for the release of antibiotics in the environment: a review

DOI: 10.1016/j.watres.2012.11.027
Water Research, 2013, 47, 957-95.

Source: <https://exaly.com/paper-pdf/55836421/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1365	Elimination of micropollutants during post-treatment of hospital wastewater with powdered activated carbon, ozone, and UV. 2013 , 47, 7899-908		241
1364	Insights into solar TiO ₂ -assisted photocatalytic oxidation of two antibiotics employed in aquatic animal production, oxolinic acid and oxytetracycline. 2013 , 463-464, 274-83		78
1363	Prevalence of antibiotic resistance genes and their relationship with antibiotics in the Huangpu River and the drinking water sources, Shanghai, China. 2013 , 458-460, 267-72		223
1362	Light-induced catalytic transformation of ofloxacin by solar Fenton in various water matrices at a pilot plant: mineralization and characterization of major intermediate products. 2013 , 461-462, 39-48		54
1361	Degradation of emergent contaminants by UV, UV/H ₂ O ₂ and neutral photo-Fenton at pilot scale in a domestic wastewater treatment plant. <i>Water Research</i> , 2013 , 47, 5836-45	12.5	180
1360	Photochemical transformation of terbutaline (pharmaceutical) in simulated natural waters: degradation kinetics and mechanisms. <i>Water Research</i> , 2013 , 47, 6558-65	12.5	35
1359	EU-wide monitoring survey on emerging polar organic contaminants in wastewater treatment plant effluents. <i>Water Research</i> , 2013 , 47, 6475-87	12.5	746
1358	Removal of selected pharmaceuticals from domestic wastewater in an activated sludge system followed by a horizontal subsurface flow bed - analysis of their respective contributions. 2013 , 454-455, 411-25		90
1357	Fate of antibiotics during wastewater treatment and antibiotic distribution in the effluent-receiving waters of the Yellow Sea, northern China. 2013 , 73, 282-90		91
1356	Vancomycin resistant enterococci: from the hospital effluent to the urban wastewater treatment plant. 2013 , 450-451, 155-61		85
1355	Different removal behaviours of multiple trace antibiotics in municipal wastewater chlorination. <i>Water Research</i> , 2013 , 47, 2970-82	12.5	60
1354	CHAPTER 1:Introduction to Antimicrobial Polymeric Materials. 2013 , 1-21		4
1353	Chloramphenicol Removal from Wastewater by UV/H ₂ O ₂ Advanced Oxidation Process. 2013 , 800, 565-568		
1352	A Routine Method for Simultaneous Determination of Three Classes of Antibiotics in Aquaculture Water by SPE-RPLC-UV. 2013 , 726-731, 1253-1259		2
1351	A brief multi-disciplinary review on antimicrobial resistance in medicine and its linkage to the global environmental microbiota. 2013 , 4, 96		189
1350	Current Trends for Biological Antibiotic Pharmaceutical Wastewater Treatment. 2013 , 726-731, 2140-2145		3
1349	Adsorption Behaviors of Oxytetracycline onto Sediment in the Weihe River, Shaanxi, China. 2013 , 2013, 1-10		8

1348	Environmental and Public Health Implications of Water Reuse: Antibiotics, Antibiotic Resistant Bacteria, and Antibiotic Resistance Genes. 2013 , 2, 367-99	79
1347	Tracking Change: A Look at the Ecological Footprint of Antibiotics and Antimicrobial Resistance. 2013 , 2, 191-205	21
1346	Abundances of tetracycline, sulphonamide and beta-lactam antibiotic resistance genes in conventional wastewater treatment plants (WWTPs) with different waste load. 2014 , 9, e103705	114
1345	Intra- and inter-pandemic variations of antiviral, antibiotics and decongestants in wastewater treatment plants and receiving rivers. 2014 , 9, e108621	40
1344	Biodegradation of sulfamethoxazole and other sulfonamides by <i>Achromobacter denitrificans</i> PR1. 2014 , 280, 741-9	134
1343	Consumption-based approach for predicting environmental risk in Greece due to the presence of antimicrobials in domestic wastewater. 2014 , 21, 12941-50	28
1342	Recent advances in clean-up strategies of waters polluted with sulfonamide antibiotics: a review of sorbents and related properties. 2014 , 78, 1115-1140	26
1341	Performance of a compartmentalized activated sludge (CAS) system treating a synthetic antibiotics industrial wastewater (SAW). 2014 , 3, 26-33	6
1340	Analysis of trace organic pollutants in wastewater to assess biodegradation using wrong-way-round ionization in liquid chromatography/tandem mass spectrometry. 2014 , 28, 1265-72	9
1339	Principles of Water Purification. 2014 , 41-46	
1338	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. 2014 , 193, 173-180	49
1337	Selection and evolution of resistance to antimicrobial drugs. 2014 , 66, 521-9	24
1336	Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. 2014 , 369,	98
1335	Hybrid Nanostructure-based Immunosensing for Electrochemical Assay of <i>Escherichia coli</i> as Indicator Bacteria Relevant to the Recycling of Urban Sludge. 2014 , 141, 384-390	14
1334	Application of graphene-like layered molybdenum disulfide and its excellent adsorption behavior for doxycycline antibiotic. 2014 , 243, 60-67	164
1333	Reduction of clarithromycin and sulfamethoxazole-resistant <i>Enterococcus</i> by pilot-scale solar-driven Fenton oxidation. 2014 , 468-469, 19-27	68
1332	Assessment of solar driven TiO ₂ -assisted photocatalysis efficiency on amoxicillin degradation. 2014 , 21, 1292-303	23
1331	Identification of genes involved in low aminoglycoside-induced SOS response in <i>Vibrio cholerae</i> : a role for transcription stalling and Mfd helicase. 2014 , 42, 2366-79	17

1330	Recent advances in the use of graphene-family nanoadsorbents for removal of toxic pollutants from wastewater. 2014 , 204, 35-56		367
1329	Comparison of measured and predicted concentrations of selected pharmaceuticals in wastewater and surface water: a case study of a catchment area in the Po Valley (Italy). 2014 , 470-471, 844-54		109
1328	Insights into the relationship between antimicrobial residues and bacterial populations in a hospital-urban wastewater treatment plant system. <i>Water Research</i> , 2014 , 54, 327-36	12.5	94
1327	Effect of solar simulated N-doped TiO ₂ photocatalysis on the inactivation and antibiotic resistance of an E. coli strain in biologically treated urban wastewater. 2014 , 144, 369-378		143
1326	Enhancement of the photo-Fenton reaction at near neutral pH through the use of ferrioxalate complexes: A case study on trimethoprim and sulfamethoxazole antibiotics removal from aqueous solutions. 2014 , 247, 302-313		80
1325	New immunosensor for β -lactam antibiotics determination in river waste waters. 2014 , 199, 301-313		33
1324	Removal of trace antibiotics from wastewater: A systematic study of nanofiltration combined with ozone-based advanced oxidation processes. 2014 , 240, 211-220		182
1323	Surface modifications of activated carbon by gamma irradiation. 2014 , 67, 236-249		58
1322	Sample preservation for the analysis of antibiotics in water. 2014 , 1369, 43-51		29
1321	Development and Validation of a Fast Procedure To Analyze Amoxicillin in River Waters by Direct-Injection LCMS/MS. 2014 , 91, 1961-1965		15
1320	Synthesis of core-shell structured Fe ₃ O ₄ @MnO ₂ microspheres for efficient catalytic degradation of ciprofloxacin. 2014 , 4, 39472-39475		21
1319	Fluoroquinolone antibiotics: an emerging class of environmental micropollutants. 2014 , 500-501, 250-69		373
1318	Hospital wastewater treatment by fungal bioreactor: removal efficiency for pharmaceuticals and endocrine disruptor compounds. 2014 , 493, 365-76		143
1317	Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. <i>Water Research</i> , 2014 , 65, 307-20	12.5	28
1316	Intensification of a solar photo-Fenton reaction at near neutral pH with ferrioxalate complexes: A case study on diclofenac removal from aqueous solutions. 2014 , 256, 448-457		66
1315	Reducing the discharge of micropollutants in the aquatic environment: the benefits of upgrading wastewater treatment plants. 2014 , 48, 7683-9		344
1314	Degradation of the anti-inflammatory drug ibuprofen by electro-peroxone process. <i>Water Research</i> , 2014 , 63, 81-93	12.5	117
1313	Emerging contaminants of public health significance as water quality indicator compounds in the urban water cycle. 2014 , 71, 46-62		270

1312	Adsorption of antibiotics and iopromide onto single-walled and multi-walled carbon nanotubes. 2014 , 255, 23-27	103
1311	Degradation kinetics and mechanism of β -lactam antibiotics by the activation of H ₂ O ₂ and Na ₂ S ₂ O ₈ under UV-254nm irradiation. 2014 , 279, 375-83	178
1310	Elucidating the Rejection Mechanisms of PPCPs by Nanofiltration and Reverse Osmosis Membranes. 2014 , 53, 6798-6806	45
1309	Balancing water sustainability and public health goals in the face of growing concerns about antibiotic resistance. 2014 , 48, 5-14	184
1308	Integrated biomarker responses in zebrafish exposed to sulfonamides. 2014 , 38, 444-52	45
1307	Rapid removal and photodegradation of tetracycline in water by surfactant-assisted coagulation-sedimentation method. 2014 , 2, 1852-1858	36
1306	Aqueous tetracycline degradation by non-thermal plasma combined with nano-TiO ₂ . 2014 , 258, 18-25	121
1305	Ferrate(VI) oxidation of β -lactam antibiotics: reaction kinetics, antibacterial activity changes, and transformation products. 2014 , 48, 10380-9	91
1304	Eintrag von Antibiotika und Antibiotikaresistenzen in Wassersysteme der Schweiz. 2014 , 9, 185-190	
1303	Antibiotic resistance in wastewater: origins, fate, and risks. 2014 , 9, 180-184	3
1302	Emerging micropollutants in water/wastewater: growing demand on removal technologies. 2014 , 21, 12217-22	28
1301	Effective ultrasound electrochemical degradation of methylene blue wastewater using a nanocoated electrode. 2014 , 21, 1310-7	45
1300	Ozone Treatment of Antibiotics in Water. 2014 , 265-316	7
1299	A toxicity-based method for evaluating safety of reclaimed water for environmental reuses. 2014 , 26, 1961-9	20
1298	Bactéries multirésistantes dans l'eau : modèles des entrobactéries productrices de β -lactamase à spectre étendu. 2014 , 2014, 75-79	2
1297	Amoxicillin separation from pharmaceutical solution by pH sensitive nanofiltration membranes. 2014 , 130, 74-83	66
1296	Characterization of ciprofloxacin-resistant isolates from a wastewater treatment plant and its receiving river. <i>Water Research</i> , 2014 , 61, 67-76	12.5 63
1295	Analysis of selected antibiotics in surface freshwater and seawater using direct injection in liquid chromatography electrospray ionization tandem mass spectrometry. 2014 , 1338, 38-43	58

1294	Qualitative environmental risk assessment of photolytic transformation products of iodinated X-ray contrast agent diatrizoic acid. 2014 , 482-483, 378-88	34
1293	Oxidation of sulfamethoxazole (SMX) by chlorine, ozone and permanganate--a comparative study. 2014 , 274, 258-69	163
1292	Removal of sulfamethoxazole sulfonamide antibiotic from water by high silica zeolites: a study of the involved host-guest interactions by a combined structural, spectroscopic, and computational approach. 2014 , 419, 148-59	48
1291	Pilot study of seasonal occurrence and distribution of antibiotics and drug resistant bacteria in wastewater treatment plants in Slovakia. 2014 , 490, 440-4	85
1290	Process enhancement at near neutral pH of a homogeneous photo-Fenton reaction using ferricarboxylate complexes: Application to oxytetracycline degradation. 2014 , 253, 217-228	64
1289	Pharmaceutical Industry Wastewater: Review of the Technologies for Water Treatment and Reuse. 2014 , 53, 11571-11592	410
1288	Removal of micropollutants from treated domestic wastewater by addition of powdered activated carbon to rapid filtration. 2014 , 9, 344-352	6
1287	Occurrence of antibiotic resistant bacteria in urban sewage and role of wastewater treatment plants in environmental dispersion. 2014 , 2014, 1294-1303	
1286	Macroporous polystyrene resins as adsorbents for the removal of tetracycline antibiotics from an aquatic environment. 2014 , 131, n/a-n/a	41
1285	Assessing the Efficiency of Wastewater Treatment. 2015 , 3.1.3-1-3.1.3-13	
1284	Assessing emerging wastewater regulations to minimize the risk from pharmaceuticals and personal care products. 2015 , 26, 966-983	2
1283	Detection of multi-drug resistant Escherichia coli in the urban waterways of Milwaukee, WI. 2015 , 6, 336	24
1282	Antibiotic resistome and its association with bacterial communities during sewage sludge composting. 2015 , 49, 7356-63	526
1281	Occurrence, seasonal variation and removal efficiency of antibiotics and their metabolites in wastewater treatment plants, Jiulongjiang River Basin, South China. 2015 , 17, 225-34	50
1280	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. 2015 , 532, 112-26	606
1279	Irrigation with Treated Wastewater: Potential Impacts on Microbial Function and Diversity in Agricultural Soils. 2015 , 105-128	3
1278	Isolation and Characterization of an Erythromycin-Degrading Strain and Application for Bioaugmentation in a Biological Aerated Filter. 2015 , 226, 1	3
1277	Degradation of the antibiotic oxacillin in water by anodic oxidation with Ti/IrO ₂ anodes: Evaluation of degradation routes, organic by-products and effects of water matrix components. 2015 , 279, 103-114	66

1276	Seasonal variation of antibiotics concentration in the aquatic environment: a case study at Jiangnan Plain, central China. 2015 , 527-528, 56-64		69
1275	Acute impact of tetracycline on the utilization of acetate by activated sludge sustained under different growth conditions. 2015 , 198, 157-64		3
1274	Review and assessment of the adaptive capacity of the water sector in Cyprus against climate change impacts on water availability. 2015 , 105, 95-112		11
1273	Removal of tetracycline from aqueous solution by a Fe ₃ O ₄ incorporated PAN electrospun nanofiber mat. 2015 , 28, 29-36		47
1272	Removal of bacterial contaminants and antibiotic resistance genes by conventional wastewater treatment processes in Saudi Arabia: Is the treated wastewater safe to reuse for agricultural irrigation?. <i>Water Research</i> , 2015 , 73, 277-90	12.5	133
1271	Inactivation of antibiotic resistance genes in municipal wastewater effluent by chlorination and sequential UV/chlorination disinfection. 2015 , 512-513, 125-132		132
1270	Cathodic degradation of antibiotics: characterization and pathway analysis. <i>Water Research</i> , 2015 , 72, 281-92	12.5	118
1269	Selection of organic process and source indicator substances for the anthropogenically influenced water cycle. 2015 , 125, 155-67		104
1268	Impacts of coexisting antibiotics, antibacterial residues, and heavy metals on the occurrence of erythromycin resistance genes in urban wastewater. 2015 , 99, 3971-80		79
1267	Multidrug-resistant pathogens in the food supply. 2015 , 12, 261-79		69
1266	Impacts of coagulation on the adsorption of organic micropollutants onto powdered activated carbon in treated domestic wastewater. 2015 , 125, 198-204		60
1265	Acute effects of tetracycline exposure in the freshwater fish <i>Gambusia holbrooki</i> : antioxidant effects, neurotoxicity and histological alterations. 2015 , 68, 371-81		61
1264	Microcontaminant degradation in municipal wastewater treatment plant secondary effluent by EDDS assisted photo-Fenton at near-neutral pH: An experimental design approach. 2015 , 252, 61-69		37
1263	Integrating organic micropollutant removal into tertiary filtration: Combining PAC adsorption with advanced phosphorus removal. <i>Water Research</i> , 2015 , 84, 58-65	12.5	48
1262	Antibiotics and sweeteners in the aquatic environment: biodegradability, formation of phototransformation products, and in vitro toxicity. 2015 , 22, 18017-30		17
1261	Accumulation of clinically relevant antibiotic-resistance genes, bacterial load, and metals in freshwater lake sediments in Central Europe. 2015 , 49, 6528-37		109
1260	Towards spatially smart abatement of human pharmaceuticals in surface waters: Defining impact of sewage treatment plants on susceptible functions. <i>Water Research</i> , 2015 , 81, 356-65	12.5	37
1259	Anaerobic ammonium-oxidizing bacteria gain antibiotic resistance during long-term acclimatization. 2015 , 192, 756-64		60

1258	Elucidating the electrostatic interaction of sulfonic acid functionalized SBA-15 for ciprofloxacin adsorption. 2015 , 349, 224-229		14
1257	Prioritization methodology for the monitoring of active pharmaceutical ingredients in hospital effluents. 2015 , 160, 324-32		24
1256	High Concentrations of the Antibiotic Spiramycin in Wastewater Lead to High Abundance of Ammonia-Oxidizing Archaea in Nitrifying Populations. 2015 , 49, 9124-32		43
1255	Influence of spacer on rejection of trace antibiotics in wastewater during forward osmosis process. 2015 , 371, 134-143		21
1254	Evaluation of membrane bioreactor on removal of pharmaceutical micropollutants: a review. 2015 , 55, 845-858		51
1253	Degradation of ciprofloxacin in aqueous bismuth oxybromide (BiOBr) suspensions under visible light irradiation: A direct hole oxidation pathway. 2015 , 274, 290-297		158
1252	Environmental risk assessment of antibiotics including synergistic and antagonistic combination effects. 2015 , 524-525, 269-79		25
1251	How to dose powdered activated carbon in deep bed filtration for efficient micropollutant removal. <i>Water Research</i> , 2015 , 78, 9-17	12.5	22
1250	Treatment of simulated berberine wastewater by electrochemical process with Pt/Ti anode. 2015 , 73, 4957-4966		7
1249	Carbon-based nanomaterials for removal of chemical and biological contaminants from water: A review of mechanisms and applications. 2015 , 91, 122-143		395
1248	A sustainable chemistry solution to the presence of pharmaceuticals and chemicals in the aquatic environment The example of re-designing blocker Atenolol. 2015 , 5, 27-32		26
1247	Characterization of Pharmaceuticals and Personal Care products in hospital effluent and waste water influent/effluent by direct-injection LC-MS-MS. 2015 , 518-519, 459-78		167
1246	Continuous ozonation treatment of ofloxacin: transformation products, water matrix effect and aquatic toxicity. 2015 , 292, 34-43		73
1245	Dissolved effluent organic matter: Characteristics and potential implications in wastewater treatment and reuse applications. <i>Water Research</i> , 2015 , 77, 213-248	12.5	277
1244	Integrating electrochemical oxidation into forward osmosis process for removal of trace antibiotics in wastewater. 2015 , 296, 248-255		60
1243	Comparative study on the reactivity of Fe/Cu bimetallic particles and zero valent iron (ZVI) under different conditions of N ₂ , air or without aeration. 2015 , 297, 261-8		101
1242	A review of heterogeneous photocatalysis for water and surface disinfection. 2015 , 20, 5574-615		148
1241	Tackling antibiotic resistance: the environmental framework. 2015 , 13, 310-7		1092

1240	Catalytic removal of pharmaceutical compounds in water medium under an H ₂ stream over various metal-supported catalysts: A promising process. 2015 , 53, 3363-3370		1
1239	Influence of synthesis conditions on physical properties of lanthanide-doped titania for photocatalytic decomposition of metazachlor. 2015 , 36, 1679-1684		11
1238	Erythromycin oxidation and ERY-resistant Escherichia coli inactivation in urban wastewater by sulfate radical-based oxidation process under UV-C irradiation. <i>Water Research</i> , 2015 , 85, 346-58	12.5	93
1237	Degradation of flumequine in aqueous solution by persulfate activated with common methods and polyhydroquinone-coated magnetite/multi-walled carbon nanotubes catalysts. <i>Water Research</i> , 2015 , 85, 1-10	12.5	162
1236	Impacts of Advanced Oxidation Processes on Microbiomes During Wastewater Treatment. 2015 , 129-144		1
1235	Pharmaceuticals and personal care products in waters: occurrence, toxicity, and risk. 2015 , 13, 381-394		214
1234	Pathogens and pharmaceuticals in source-separated urine in eThekweni, South Africa. <i>Water Research</i> , 2015 , 85, 57-65	12.5	60
1233	Environmental waters as a source of antibiotic-resistant Enterococcus species in Belgrade, Serbia. 2015 , 187, 599		9
1232	Thermo activated persulfate oxidation of antibiotic sulfamethoxazole and structurally related compounds. <i>Water Research</i> , 2015 , 87, 1-9	12.5	258
1231	Putting benign by design into practice-novel concepts for green and sustainable pharmacy: Designing green drug derivatives by non-targeted synthesis and screening for biodegradability. 2015 , 2, 31-36		31
1230	Anaerobic sewage treatment: state of the art, constraints and challenges. 2015 , 14, 649-679		119
1229	Photocatalytic degradation of recalcitrant organic pollutants in water using a novel cylindrical multi-column photoreactor packed with TiO ₂ -coated silica gel beads. 2015 , 285, 398-408		78
1228	Antibiotic Pollution in the Environment: A Review. 2015 , 43, 479-489		319
1227	Titanium dioxide/zeolite integrated photocatalytic adsorbents for the degradation of amoxicillin. 2015 , 166-167, 45-55		119
1226	Wastewater reuse in irrigation: a microbiological perspective on implications in soil fertility and human and environmental health. 2015 , 75, 117-35		264
1225	Aquatic toxicity of the macrolide antibiotic clarithromycin and its metabolites. 2015 , 120, 192-8		61
1224	Multi-residue analysis of pharmaceuticals in wastewater by liquid chromatography-magnetic sector mass spectrometry: method quality assessment and application in a Belgian case study. 2015 , 119 Suppl, S2-8		67
1223	Modeling of photocatalytic degradation of organic components in water by nanoparticle suspension. 2015 , 261, 67-75		18

1222	Removal of tetracycline by NaOH-activated carbon produced from macadamia nut shells: Kinetic and equilibrium studies. 2015 , 260, 291-299	407
1221	Removal of hazardous organics from water using metal-organic frameworks (MOFs): plausible mechanisms for selective adsorptions. 2015 , 283, 329-39	909
1220	Bacterial Communities and Antibiotic Resistance Communities in a Full-Scale Hospital Wastewater Treatment Plant by High-Throughput Pyrosequencing. 2016 , 8, 580	17
1219	Antimicrobial resistance global emergence: healthcare facilities or environmental microbiota as the most important reservoir of antibiotic resistant microorganisms?. 2016 , 31,	
1218	Insights in Waste Management Bioprocesses Using Genomic Tools. 2016 , 97, 121-170	13
1217	Electrical Discharge in Water Treatment Technology for Micropollutant Decomposition. 2016 ,	30
1216	Potential of Constructed Wetlands for Removal of Antibiotics from Saline Aquaculture Effluents. 2016 , 8, 465	24
1215	Antibiotics in Wastewater of a Rural and an Urban Hospital before and after Wastewater Treatment, and the Relationship with Antibiotic Use-A One Year Study from Vietnam. 2016 , 13,	74
1214	Removal of Penicillin G by combination of sonolysis and Photocatalytic (sonophotocatalytic) process from aqueous solution: process optimization using RSM (Response Surface Methodology). 2016 , 8, 2878-2887	12
1213	Characterization of microbial community and antibiotic resistance genes in activated sludge under tetracycline and sulfamethoxazole selection pressure. 2016 , 571, 479-86	91
1212	Photolytic and photocatalytic degradation of tetracycline: Effect of humic acid on degradation kinetics and mechanisms. 2016 , 318, 134-144	150
1211	Release of primary microplastics from consumer products to wastewater in the Netherlands. 2016 , 35, 1627-31	80
1210	Electrochemical Immunosensor for Detection of E. coli in Urban Sludge Based on Dendrimer-encapsulated Au and Enhanced Gold Nanoparticle Labels. 2016 , 44, 1015-1021	6
1209	Challenges in the Measurement of Antibiotics and in Evaluating Their Impacts in Agroecosystems: A Critical Review. 2016 , 45, 407-19	74
1208	Mechanisms on formation of hierarchically porous carbon and its adsorption behaviors. 2016 , 74, 266-75	3
1207	Removal Performance, Antibacterial Effects, and Toxicity Assessment of Ciprofloxacin Treated by the Electrocoagulation Process. 2016 , 227, 1	4
1206	Stress-related phenomena and detoxification mechanisms induced by common pharmaceuticals in alfalfa (<i>Medicago sativa</i> L.) plants. 2016 , 557-558, 652-64	61
1205	Water recovery from treated urban wastewater by ultrafiltration and reverse osmosis for landscape irrigation. 2016 , 13, 553-568	17

1204	Antibiotic resistance spread potential in urban wastewater effluents disinfected by UV/H ₂ O ₂ process. 2016 , 560-561, 29-35	100
1203	Occurrence, composition and risk assessment of antibiotics in soils from Kenya, Africa. 2016 , 25, 1194-201	38
1202	Occurrence, fate, and risk assessment of vancomycin in two typical pharmaceutical wastewater treatment plants in Eastern China. 2016 , 23, 16513-23	10
1201	Where to dose powdered activated carbon in a wastewater treatment plant for organic micro-pollutant removal. 2016 , 156, 88-94	36
1200	Antimicrobial Resistance in Agriculture. 2016 , 7, e02227-15	173
1199	Kinetic study of spiramycin removal from aqueous solution using heterogeneous photocatalysis. 2016 , 57, 200-206	23
1198	Seasonality of antibiotic prescriptions for outpatients and resistance genes in sewers and wastewater treatment plant outflow. 2016 , 92, fiw060	87
1197	Effects of returning NF concentrate on the MBR-NF process treating antibiotic production wastewater. 2016 , 23, 13114-27	4
1196	Ozone treatment of conditioned wastewater selects antibiotic resistance genes, opportunistic bacteria, and induce strong population shifts. 2016 , 559, 103-112	150
1195	Emerging contaminant degradation and removal in algal wastewater treatment ponds: Identifying the research gaps. 2016 , 313, 291-309	115
1194	Occurrence, spatiotemporal distribution, mass balance and ecological risks of antibiotics in subtropical shallow Lake Taihu, China. 2016 , 18, 500-13	48
1193	High Adsorption of Sulfamethoxazole by an Amine-Modified Polystyrene-Divinylbenzene Resin and Its Mechanistic Insight. 2016 , 50, 10015-23	76
1192	Transport of sulfacetamide and levofloxacin in granular porous media under various conditions: Experimental observations and model simulations. 2016 , 573, 1630-1637	17
1191	Ciprofloxacin wastewater treated by UVA photocatalysis: contribution of irradiated TiO ₂ and ZnO nanoparticles on the final toxicity as assessed by <i>Vibrio fischeri</i> . 2016 , 6, 95494-95503	36
1190	Avoidance behavior of <i>Eisenia fetida</i> in oxytetracycline- and heavy metal-contaminated soils. 2016 , 47, 119-123	14
1189	Environmental Comparison of Biochar and Activated Carbon for Tertiary Wastewater Treatment. 2016 , 50, 11253-11262	170
1188	Removal of Antibiotics in Biological Wastewater Treatment Systems-A Critical Assessment Using the Activated Sludge Modeling Framework for Xenobiotics (ASM-X). 2016 , 50, 10316-10334	106
1187	Electrochemical mineralization of norfloxacin using distinct boron-doped diamond anodes in a filter-press reactor, with investigations of toxicity and oxidation by-products. 2016 , 213, 856-864	52

1186	An eco-friendly method for analysis of sulfonamides in water samples using a multi-pumping system. 2016 , 94, 812-817	2
1185	Vancomycin-Resistant Enterococci and Bacterial Community Structure following a Sewage Spill into an Aquatic Environment. 2016 , 82, 5653-60	20
1184	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase - Degradation of compounds does not always eliminate toxicity. 2016 , 219, 500-509	86
1183	A One-Step and Scalable Continuous-Flow Nanoprecipitation for Catalytic Reduction of Organic Pollutants in Water. 2016 , 55, 9851-9856	9
1182	Self-assembly and controllable synthesis of graphene hydrogel adsorbents with enhanced removal of ciprofloxacin from aqueous solutions. 2016 , 6, 83982-83993	9
1181	Encyclopedia of Membranes. 2016 , 1707-1708	
1180	Elucidating selection processes for antibiotic resistance in sewage treatment plants using metagenomics. 2016 , 572, 697-712	152
1179	Long-Term Impact of Field Applications of Sewage Sludge on Soil Antibiotic Resistome. 2016 , 50, 12602-12611	78
1178	Organic micropollutants in aerobic and anaerobic membrane bioreactors: Changes in microbial communities and gene expression. 2016 , 218, 882-91	51
1177	Antibiotics in the aquatic environments: A review of the European scenario. 2016 , 94, 736-757	536
1176	Antibiotics and Antibiotic Resistance Genes in Sediment of Honghu Lake and East Dongting Lake, China. 2016 , 72, 791-801	46
1175	Understanding the hydrologic impacts of wastewater treatment plant discharge to shallow groundwater: before and after plant shutdown. 2016 , 2, 864-874	10
1174	Biogas generation in anaerobic wastewater treatment under tetracycline antibiotic pressure. 2016 , 6, 28336	13
1173	Sulfate radical-based oxidation of fluoroquinolone antibiotics: Kinetics, mechanisms and effects of natural water matrices. <i>Water Research</i> , 2016 , 106, 507-517	12.5 168
1172	Adsorption of Antibiotics on Graphene and Biochar in Aqueous Solutions Induced by π Interactions. 2016 , 6, 31920	135
1171	Degradation of oxytetracycline using microporous and mesoporous photocatalyst composites: Uniform design to explore factors. 2016 , 4, 4453-4465	22
1170	Encyclopedia of Membranes. 2016 , 1729-1730	0
1169	Encyclopedia of Membranes. 2016 , 1731-1732	

1168 Encyclopedia of Membranes. **2016**, 1720-1720

1167 Distribution and persistence of cephalosporins in cephalosporin producing wastewater using SPE and UPLC-MS/MS method. **2016**, 569-570, 23-30 37

1166 Occurrence, fate and interrelation of selected antibiotics in sewage treatment plants and their receiving surface water. **2016**, 132, 132-9 67

1165 Excellent performance of copper based metal organic framework in adsorptive removal of toxic sulfonamide antibiotics from wastewater. **2016**, 478, 344-52 142

1164 Enhanced simultaneous PEC eradication of bacteria and antibiotics by facilely fabricated high-activity {001} facets TiO₂ mounted onto TiO₂ nanotubular photoanode. *Water Research*, **2016**, 101, 597-605 12.5 33

1163 Photocatalytic degradation of veterinary antibiotics: Biodegradability and antimicrobial activity of intermediates. **2016**, 103, 1-9 32

1162 Antibiotics and the Terrestrial Nitrogen Cycle: A Review. **2016**, 2, 51-67 40

1161 Macrolide antibiotics removal using a circulating TiO₂-coated paper photoreactor: parametric study and hydrodynamic flow characterization. **2016**, 73, 2627-37 9

1160 Is the chronic impact of sulfamethoxazole different for slow growing culture? The effect of culture history. **2016**, 206, 65-76 17

1159 A national-scale assessment of micro-organic contaminants in groundwater of England and Wales. **2016**, 568, 712-726 55

1158 Metformin and Other Pharmaceuticals Widespread in Wadeable Streams of the Southeastern United States. **2016**, 3, 243-249 56

1157 Removal and degradation of β -lactam antibiotics in water using didodecyldimethylammonium bromide-modified montmorillonite organoclay. **2016**, 317, 677-685 29

1156 Pre/post-closure assessment of groundwater pharmaceutical fate in a wastewater-facility-impacted stream reach. **2016**, 568, 916-925 21

1155 The usage of different forms of ferrate (VI) ion for amoxicillin and ciprofloxacin removal: density functional theory based modelling of redox decomposition. **2016**, 91, 257-266 26

1154 Class 1 integrase, sulfonamide and tetracycline resistance genes in wastewater treatment plant and surface water. **2016**, 144, 1665-73 124

1153 Kinetics and mechanism investigation on the destruction of oxytetracycline by UV-254nm activation of persulfate. **2016**, 305, 229-239 189

1152 A review of the influence of treatment strategies on antibiotic resistant bacteria and antibiotic resistance genes. **2016**, 150, 702-714 400

1151 Fluoroquinolones and sulfonamides: features of their determination in water. A review. **2016**, 96, 185-202 15

1150	Source contributions and mass loadings for chemicals of emerging concern: Chemometric application of pharmaco-signature in different aquatic systems. 2016 , 208, 79-86		23
1149	Interspecific differences in growth response and tolerance to the antibiotic sulfadiazine in ten clonal wetland plants in South China. 2016 , 543, 197-205		24
1148	New hydrolysis products of the beta-lactam antibiotic amoxicillin, their pH-dependent formation and search in municipal wastewater. <i>Water Research</i> , 2016 , 88, 880-888	12.5	67
1147	Analysis of the competitive adsorption of pharmaceuticals on waste derived materials. 2016 , 287, 139-147		30
1146	Removal of pharmaceuticals from secondary effluents by an electro-peroxone process. <i>Water Research</i> , 2016 , 88, 826-835	12.5	90
1145	The urgent need for risk assessment on the antibiotic resistance spread via sewage sludge land application. 2016 , 87, 49-55		168
1144	Review on High Valent FeVI (Ferrate): A Sustainable Green Oxidant in Organic Chemistry and Transformation of Pharmaceuticals. 2016 , 4, 18-34		150
1143	UV254 absorbance as real-time monitoring and control parameter for micropollutant removal in advanced wastewater treatment with powdered activated carbon. <i>Water Research</i> , 2016 , 94, 240-245	12.5	67
1142	Hospital-Use Pharmaceuticals in Swiss Waters Modeled at High Spatial Resolution. 2016 , 50, 4742-51		15
1141	Significant role of UV and carbonate radical on the degradation of oxytetracycline in UV-AOPs: Kinetics and mechanism. <i>Water Research</i> , 2016 , 95, 195-204	12.5	153
1140	High-throughput profiling of antibiotic resistance genes in drinking water treatment plants and distribution systems. 2016 , 213, 119-126		180
1139	Change in hydrophilicity of penicillins during advanced oxidation by radiolytically generated OH compromises the elimination of selective pressure on bacterial strains. 2016 , 551-552, 393-403		23
1138	Evaluation of sulfamethazine sorption and biodegradation by anaerobic granular sludge using batch experiments. 2016 , 39, 115-24		32
1137	Tetracycline adsorption onto activated carbons produced by KOH activation of tyre pyrolysis char. 2016 , 149, 168-76		175
1136	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO ₂ with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , 2016 , 94, 10-22	12.5	150
1135	Wastewater Reuse and Current Challenges. 2016 ,		5
1134	Detection of pharmaceuticals and phytochemicals together with their metabolites in hospital effluents in Japan, and their contribution to sewage treatment plant influents. 2016 , 548-549, 189-197		72
1133	Advanced Treatment Technologies for Urban Wastewater Reuse. 2016 ,		8

1132	Reduction of antibiotic resistance genes in municipal wastewater effluent by advanced oxidation processes. 2016 , 550, 184-191		110
1131	Combination of granular activated carbon adsorption and deep-bed filtration as a single advanced wastewater treatment step for organic micropollutant and phosphorus removal. <i>Water Research</i> , 2016 , 92, 131-9	12.5	108
1130	Heterogeneous photocatalytic degradation, mineralization and detoxification of ampicillin under varying pH and incident photon flux conditions. 2016 , 57, 18391-18397		16
1129	Potential pathogens, antimicrobial patterns and genotypic diversity of <i>Escherichia coli</i> isolates in constructed wetlands treating swine wastewater. 2016 , 92,		16
1128	Organic Contaminant Abatement in Reclaimed Water by UV/H ₂ O ₂ and a Combined Process Consisting of O ₃ /H ₂ O ₂ Followed by UV/H ₂ O ₂ : Prediction of Abatement Efficiency, Energy Consumption, and Byproduct Formation. 2016 , 50, 3809-19		102
1127	Inhibition of biofilm formation by D-tyrosine: Effect of bacterial type and D-tyrosine concentration. <i>Water Research</i> , 2016 , 92, 173-9	12.5	38
1126	Superhydrophilic and antibacterial zwitterionic polyamide nanofiltration membranes for antibiotics separation. 2016 , 510, 122-130		89
1125	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. <i>Water Research</i> , 2016 , 94, 208-214	12.5	270
1124	Rapid Screening for Exposure to "Non-Target" Pharmaceuticals from Wastewater Effluents by Combining HRMS-Based Suspect Screening and Exposure Modeling. 2016 , 50, 6698-707		105
1123	Dynamics of active pharmaceutical ingredients loads in a Swiss university hospital wastewaters and prediction of the related environmental risk for the aquatic ecosystems. 2016 , 547, 244-253		49
1122	Comprehensive evaluation of imidazole-based polymers for the enrichment of selected non-steroidal anti-inflammatory drugs. 2016 , 153, 177-85		19
1121	Antibiotic resistance in urban aquatic environments: can it be controlled?. 2016 , 100, 1543-1557		127
1120	Impacts of reclaimed water irrigation on soil antibiotic resistome in urban parks of Victoria, Australia. 2016 , 211, 48-57		66
1119	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. 2016 , 186, 19-29		410
1118	Carbocatalytic activation of persulfate for removal of antibiotics in water solutions. 2016 , 288, 399-405		135
1117	Concentrations of antibiotics predicted to select for resistant bacteria: Proposed limits for environmental regulation. 2016 , 86, 140-9		386
1116	Effects of cycloheximide on photosynthetic abilities, reflectance spectra and fluorescence emission spectra in <i>Phyllostachys edulis</i> . 2016 , 30, 719-732		7
1115	Removal of pharmaceuticals and personal care products by <i>Eichhornia crassipes</i> and <i>Pistia stratiotes</i> . 2016 , 58, 318-323		36

1114	Analysis of sulfamethoxazole and trimethoprim adsorption on sewage sludge and fish waste derived adsorbents. 2016 , 220, 58-72	42
1113	Degradation kinetics and mechanism of oxytetracycline by hydroxyl radical-based advanced oxidation processes. 2016 , 284, 1317-1327	181
1112	Bioaccumulation of tetracycline and degradation products in Lemna gibba L. exposed to secondary effluents. 2016 , 57, 8270-8277	8
1111	On the capacity of ozonation to remove antimicrobial compounds, resistant bacteria and toxicity from urban wastewater effluents. 2017 , 323, 414-425	32
1110	Photo-Fenton oxidation of 3-amino-5-methylisoxazole: a by-product from biological breakdown of some pharmaceutical compounds. 2017 , 24, 6195-6204	8
1109	Use of fluorescence EEM to monitor the removal of emerging contaminants in full scale wastewater treatment plants. 2017 , 323, 367-376	93
1108	Degradation of venlafaxine using TiO/UV process: Kinetic studies, RSM optimization, identification of transformation products and toxicity evaluation. 2017 , 323, 513-526	60
1107	Bisphenol-A removal by the halophyte <i>Juncus acutus</i> in a phytoremediation pilot: Characterization and potential role of the endophytic community. 2017 , 323, 350-358	35
1106	Removal of antibiotic cloxacillin by means of electrochemical oxidation, TiO photocatalysis, and photo-Fenton processes: analysis of degradation pathways and effect of the water matrix on the elimination of antimicrobial activity. 2017 , 24, 6339-6352	40
1105	Ozonation and UV radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. 2017 , 323, 434-441	139
1104	Sodium persulfate based PVDF membrane for concurrent advanced oxidation and ultrafiltration of ofloxacin in water. 2017 , 315, 509-515	13
1103	Rapid determination of 54 pharmaceutical and personal care products in fish samples using microwave-assisted extraction-Hollow fiber-Liquid/solid phase microextraction. 2017 , 1051, 41-53	28
1102	Adsorption of non-steroidal anti-inflammatory drugs from aqueous solution using activated carbons: Review. 2017 , 190, 274-282	127
1101	Removal of pharmaceuticals by a pilot aerated sub-surface flow constructed wetland treating municipal and hospital wastewater. 2017 , 100, 157-164	50
1100	Occurrence and elimination of antibiotics in three sewage treatment plants with different treatment technologies in Urumqi and Shihezi, Xinjiang. 2017 , 75, 1474-1484	12
1099	Comparison of two synthesis methods on the preparation of Fe, N-Co-doped TiO ₂ materials for degradation of pharmaceutical compounds under visible light. 2017 , 43, 5068-5079	46
1098	Effects of chlorination and ultraviolet light on environmental tetracycline-resistant bacteria and tet(W) in water. 2017 , 5, 777-784	17
1097	Continental-scale pollution of estuaries with antibiotic resistance genes. 2017 , 2, 16270	530

1096	The degradation mechanism of sulfamethoxazole under ozonation: a DFT study. 2017 , 19, 379-387	16
1095	The role of graphene oxide and graphene oxide-based nanomaterials in the removal of pharmaceuticals from aqueous media: a review. 2017 , 24, 7938-7958	128
1094	Concentrations of select dissolved trace elements and anthropogenic organic compounds in the Mississippi River and major tributaries during the summer of 2012 and 2013. 2017 , 189, 73	22
1093	Whole genome sequencing reveals high-resolution epidemiological links between clinical and environmental <i>Klebsiella pneumoniae</i> . 2017 , 9, 6	35
1092	The occurrence of antibiotic resistance genes in a Mediterranean river and their persistence in the riverbed sediment. 2017 , 223, 384-394	70
1091	Polymyxin B sulfate inducing time-dependent antagonism of the mixtures of pesticide, ionic liquids, and antibiotics to <i>Vibrio qinghaiensis</i> sp.-Q67. 2017 , 7, 6080-6088	22
1090	Fe ₃ O ₄ @polydopamine and derived Fe ₃ O ₄ @carbon core-shell nanoparticles: Comparison in adsorption for cationic and anionic dyes. 2017 , 522, 260-265	42
1089	Inhibitory effects of sulfamethoxazole on denitrifying granule properties: Short- and long-term tests. 2017 , 233, 391-398	20
1088	Characteristics of airborne bacteria and fungi in some Polish wastewater treatment plants. 2017 , 14, 2181-2192	31
1087	Sulfamethoxazole and COD increase abundance of sulfonamide resistance genes and change bacterial community structures within sequencing batch reactors. 2017 , 175, 21-27	49
1086	Application of ozonation for pharmaceuticals and personal care products removal from water. 2017 , 586, 265-283	240
1085	On the photodegradation of azithromycin, erythromycin and tylosin and their transformation products: A kinetic study. 2017 , 5, 131-140	29
1084	Estimation of amount of selected pharmaceuticals sorbed onto digested sludge from wastewater treatment plant Bratislava-Petržalka. 2017 , 155, 31-35	19
1083	Life cycle assessment of solar-driven oxidation as a polishing step of secondary-treated urban effluents. 2017 , 92, 1315-1327	25
1082	Fate of Land Applied Emerging Organic Contaminants in Waste Materials. 2017 , 3, 38-54	9
1081	Slow Pyrolysis Magnetization of Hydrochar for Effective and Highly Stable Removal of Tetracycline from Aqueous Solution. 2017 , 56, 3059-3066	31
1080	Screening of biocides, metals and antibiotics in Swedish sewage sludge and wastewater. <i>Water Research</i> , 2017 , 115, 318-328	12.5 115
1079	Atomic scale g-C ₃ N ₄ /Bi ₂ WO ₆ 2D/2D heterojunction with enhanced photocatalytic degradation of ibuprofen under visible light irradiation. 2017 , 209, 285-294	318

1078	Photodegradation and sorption govern tetracycline removal during wastewater treatment in algal ponds. 2017 , 232, 35-43	107
1077	Occurrence and Risks of Contrast Agents, Cytostatics, and Antibiotics in Hospital Effluents. 2017 , 71-100	5
1076	Electron beam treatment for tackling the escalating problems of antibiotic resistance: Eliminating the antimicrobial activity of wastewater matrices originating from erythromycin. 2017 , 321, 314-324	19
1075	Environmental photochemistry of fenamate NSAIDs and their radical intermediates. 2017 , 19, 656-665	17
1074	Sediment and salinity effects on the bioaccumulation of sulfamethoxazole in zebrafish (<i>Danio rerio</i>). 2017 , 180, 467-475	41
1073	Fate and Persistence of a Pathogenic NDM-1-Positive <i>Escherichia coli</i> Strain in Anaerobic and Aerobic Sludge Microcosms. 2017 , 83,	13
1072	Weak polyelectrolyte multilayers as tunable separation layers for micro-pollutant removal by hollow fiber nanofiltration membranes. 2017 , 537, 220-228	57
1071	Microbial community compositional analysis for membrane bioreactor treating antibiotics containing wastewater. 2017 , 325, 300-309	93
1070	Application for oxytetracycline wastewater pretreatment by Fenton iron mud based cathodic-anodic-electrolysis ceramic granular fillers. 2017 , 182, 483-490	18
1069	Methane production in an anaerobic osmotic membrane bioreactor using forward osmosis: Effect of reverse salt flux. 2017 , 239, 285-293	26
1068	Comparison of dilution factors for German wastewater treatment plant effluents in receiving streams to the fixed dilution factor from chemical risk assessment. 2017 , 598, 805-813	27
1067	Occurrence of 25 pharmaceuticals in Taihu Lake and their removal from two urban drinking water treatment plants and a constructed wetland. 2017 , 24, 14889-14902	27
1066	A review on the application of constructed wetlands for the removal of priority substances and contaminants of emerging concern listed in recently launched EU legislation. 2017 , 227, 428-443	138
1065	Wastewater for Urban Agriculture: A Significant Factor in Dissemination of Antibiotic Resistance. 2017 , 51, 5863-5864	32
1064	Changes imposed by pyrolysis, thermal gasification and incineration on composition and phosphorus fertilizer quality of municipal sewage sludge. 2017 , 198, 308-318	62
1063	Photocatalytic degradation of tetracycline by Ti-MCM-41 prepared at room temperature and biotoxicity of degradation products. 2017 , 416, 248-258	52
1062	Efficient removal of antibiotics in a fluidized bed reactor by facile fabricated magnetic powdered activated carbon. 2017 , 24, 3820-3828	6
1061	Pollutant removal and microorganism evolution of activated sludge under ofloxacin selection pressure. 2017 , 241, 849-856	50

1060	Rapid removal of tetracycline antibiotics from water by coagulation-flotation of sodium dodecyl sulfate and poly(allylamine hydrochloride) in the presence of Al(III) ions. 2017 , 187, 76-83	68
1059	Low temperature circulating fluidized bed gasification and co-gasification of municipal sewage sludge. Part 2: Evaluation of ash materials as phosphorus fertilizer. 2017 , 66, 145-154	21
1058	Photocatalytic degradation of atenolol in aqueous suspension of new recyclable catalysts based on titanium dioxide. 2017 , 5, 3224-3234	19
1057	In situ synthesis of hierarchical structured cotton fibers/MnO ₂ composites: a versatile and recyclable device for wastewater treatment. 2017 , 7, 31475-31484	6
1056	Degradation kinetics of pollutants present in a simulated wastewater matrix using UV/TiO ₂ photocatalysis and its microbiological toxicity assessment. 2017 , 43, 6317-6341	33
1055	TiO ₂ assisted photocatalytic degradation of macrolide antibiotics. 2017 , 6, 34-41	30
1054	A Microbiological Assay for Assessing the Applicability of Advanced Oxidation Processes for Eliminating the Sublethal Effects of Antibiotics on Selection of Resistant Bacteria. 2017 , 4, 251-255	8
1053	Removal of amoxicillin from water by adsorption onto activated carbon in batch process and fixed bed column: Kinetics, isotherms, experimental design and breakthrough curves modelling. 2017 , 161, 947-956	116
1052	Removal of antibiotic sulfamethoxazole by zero-valent iron under oxic and anoxic conditions: Removal mechanisms in acidic, neutral and alkaline solutions. 2017 , 200, 88-96	29
1051	Sulfate radical-based oxidation of antibiotics sulfamethazine, sulfapyridine, sulfadiazine, sulfadimethoxine, and sulfachloropyridazine: Formation of SO extrusion products and effects of natural organic matter. 2017 , 593-594, 704-712	70
1050	Full-Scale Plants for Dedicated Treatment of Hospital Effluents. 2017 , 189-208	4
1049	Photodegradation of sulfonamides by g-C ₃ N ₄ under visible light irradiation: Effectiveness, mechanism and pathways. 2017 , 210, 88-96	123
1048	Prioritization of Active Pharmaceutical Ingredients in Hospital Wastewater. 2017 , 49-69	0
1047	Evaluation of levels of antibiotic resistance in groundwater-derived E. coli isolates in the Midwest of Ireland and elucidation of potential predictors of resistance. 2017 , 25, 939-951	5
1046	Adsorptive removal of antibiotic sulfonamide by UiO-66 and ZIF-67 for wastewater treatment. 2017 , 500, 88-95	137
1045	Characterization of extracellular polymeric substances in biofilms under long-term exposure to ciprofloxacin antibiotic using fluorescence excitation-emission matrix and parallel factor analysis. 2017 , 24, 13536-13545	28
1044	Monitoring the Behavior of Emerging Contaminants in Wastewater-Impacted Rivers Based on the Use of Fluorescence Excitation Emission Matrixes (EEM). 2017 , 51, 4306-4316	53
1043	Impact of biogenic substrates on sulfamethoxazole biodegradation kinetics by Achromobacter denitrificans strain PR1. 2017 , 28, 205-217	26

1042	Occurrence of antibiotics in rural catchments. 2017 , 168, 483-490	56
1041	Light-Activated Antibacterial Nanoscale Films: Metallo-Organics for Catalytic Generation of Chemically Accessible Singlet-Oxygen in Water. 2017 , 2, 577-582	6
1040	Occurrence and Fate of Antibiotics in the Aqueous Environment and Their Removal by Constructed Wetlands in China: A review. 2017 , 27, 42-51	50
1039	βCyclodextrin carbon nanotube-enhanced sensor for ciprofloxacin detection. 2017 , 52, 313-319	31
1038	A review of radioactive isotopes and other residence time tracers in understanding groundwater recharge: Possibilities, challenges, and limitations. 2017 , 555, 797-811	70
1037	Efficient Adsorption of Sulfamethazine onto Modified Activated Carbon: A Plausible Adsorption Mechanism. 2017 , 7, 12437	68
1036	Stepwise impact of urban wastewater treatment on the bacterial community structure, antibiotic contents, and prevalence of antimicrobial resistance. 2017 , 231, 1578-1585	37
1035	Presence of active pharmaceutical ingredients in the continuum of surface and ground water used in drinking water production. 2017 , 24, 26778-26791	16
1034	Shadow prices of emerging pollutants in wastewater treatment plants: Quantification of environmental externalities. 2017 , 203, 439-447	20
1033	Potential for natural and enhanced attenuation of sulphanilamide in a contaminated chalk aquifer. 2017 , 62, 39-48	6
1032	Identification of antibiotics in wastewater: current state of extraction protocol and future perspectives. 2017 , 15, 982-1003	9
1031	Photoinduced degradation of sulfonamides, kinetic, and structural characterization of transformation products and assessment of environmental toxicity. 2017 , 99, 1304-1327	17
1030	Negative environmental impacts of antibiotic-contaminated effluents from pharmaceutical industries. <i>Water Research</i> , 2017 , 126, 79-87	12.5 135
1029	Optimisation of caffeine and antidepressants extraction from sediments and sewage sludge using experimental designs. 2017 , 97, 935-948	2
1028	Investigation of full-scale ozonation at a municipal wastewater treatment plant using a toxicity-based evaluation concept. 2017 , 80, 1242-1258	20
1027	Photocatalytic Removal of the Antibiotic Cefotaxime on TiO ₂ and ZnO Suspensions Under Simulated Sunlight Radiation. 2017 , 228, 1	18
1026	Solids retention time, influent antibiotic concentrations, and temperature as selective pressures for antibiotic resistance in activated sludge systems. 2017 , 3, 883-896	7
1025	Role of environmental pollution in prevalence of antibiotic resistant bacteria in aquatic environment of river: case of Musi river, South India. 2017 , 31, 456-462	20

1024	The Electro-peroxone Technology as a Promising Advanced Oxidation Process for Water and Wastewater Treatment. 2017 , 57-84		5
1023	Wastewater pollution differently affects the antibiotic resistance gene pool and biofilm bacterial communities across streambed compartments. 2017 , 26, 5567-5581		35
1022	Phages in urban wastewater have the potential to disseminate antibiotic resistance. 2017 , 50, 678-683		27
1021	Photodegradation of sulfathiazole under simulated sunlight: Kinetics, photo-induced structural rearrangement, and antimicrobial activities of photoproducts. <i>Water Research</i> , 2017 , 124, 576-583	12.5	31
1020	Long-term effects of oxytetracycline (OTC) on the granule-based anammox: Process performance and occurrence of antibiotic resistance genes. 2017 , 127, 110-118		52
1019	Effects of organic, biological and colloidal fouling on the removal of pharmaceuticals and personal care products by nanofiltration and reverse osmosis membranes. 2017 , 542, 342-351		51
1018	Antibiotics resistance phenomenon and virulence ability in bacteria from water environmentPeer review under responsibility of National Water Research Center. View all notes. 2017 , 31, 109-121		23
1017	Overview of Pharmaceutical Products as Emerging Pollutants. 2017 , 57-101		1
1016	Antibiotic Pollution and Occurrence of Bacterial Antibiotic Resistance Genes in Latin American Developing Countries. 2017 , 293-307		
1015	Antibiotics and Antibiotics Resistance Genes in Soils. 2017 ,		4
1014	Potential Environmental, Ecological and Health Effects of Soil Antibiotics and ARGs. 2017 , 341-365		
1013	Visible Light Heterogeneous Nanophotocatalysts (From Catalyst Formulation to Air, Water, and Surface Cleaning Application). 2017 , 873-890		2
1012	Evaluation of the antibiotics effects on the physical and chemical parameters during the co-composting of sewage sludge with palm wastes in a bioreactor. 2017 , 68, 388-397		23
1011	Fate of antibiotics in soil and their uptake by edible crops. 2017 , 599-600, 500-512		181
1010	Bioinspired Synthesis of Photocatalytic Nanocomposite Membranes Based on Synergy of Au-TiO and Polydopamine for Degradation of Tetracycline under Visible Light. 2017 , 9, 23687-23697		90
1009	The potential implications of reclaimed wastewater reuse for irrigation on the agricultural environment: The knowns and unknowns of the fate of antibiotics and antibiotic resistant bacteria and resistance genes - A review. <i>Water Research</i> , 2017 , 123, 448-467	12.5	251
1008	Integrated adsorption and visible-light photodegradation of aqueous clofibrac acid and carbamazepine by a Fe-based metal-organic framework. 2017 , 330, 157-165		89
1007	Occurrence, removal, and risk assessment of antibiotics in 12 wastewater treatment plants from Dalian, China. 2017 , 24, 16478-16487		59

1006	Occurrence and risk assessment of antibiotics in surface water and groundwater from different depths of aquifers: A case study at Jiangnan Plain, central China. 2017 , 135, 236-242		158
1005	Antibiotic resistance in surface water ecosystems: Presence in the aquatic environment, prevention strategies, and risk assessment. 2017 , 23, 299-322		38
1004	Antibiotic pollution in the Katari subcatchment of the Titicaca Lake: Major transformation products and occurrence of resistance genes. 2017 , 576, 671-682		47
1003	Electrochemical mineralization of cephalexin using a conductive diamond anode: A mechanistic and toxicity investigation. 2017 , 168, 638-647		34
1002	Heterogeneous Catalytic Ozonation of Sulfamethoxazole in Aqueous Solution over Composite Iron/Manganese Silicate Oxide. 2017 , 39, 24-32		9
1001	UV-C-driven oxidation of ciprofloxacin in conventionally treated urban wastewater: degradation kinetics, ecotoxicity and phytotoxicity assessment and inactivation of ciprofloxacin-resistant <i>Escherichia coli</i> . 2017 , 92, 1380-1388		11
1000	Efficient degradation of sulfamethoxazole by the Fe(II)/HSO process enhanced by hydroxylamine: Efficiency and mechanism. 2017 , 322, 461-468		98
999	Molecular sieving effects of disk-shaped molecules on reverse osmosis and nanofiltration separation. 2017 , 173, 286-294		7
998	Long-term wastewater irrigation of vegetables in real agricultural systems: Concentration of pharmaceuticals in soil, uptake and bioaccumulation in tomato fruits and human health risk assessment. <i>Water Research</i> , 2017 , 109, 24-34	12.5	148
997	Removal of benzoic acid from industrial wastewater using metal organic frameworks: equilibrium, kinetic and thermodynamic study. 2017 , 24, 165-178		14
996	Removal of Tetracycline and Tetracycline Resistance Genes from Municipal Wastewater in Microcosm Fill-and-Drain Constructed Wetlands. 2017 , 53, 11-21		2
995	Occurrence of Antibiotics in an Agricultural Watershed in South-Central Idaho. 2017 , 46, 1455-1461		13
994	Impact of anthropogenic activities on the dissemination of antibiotic resistance across ecological boundaries. 2017 , 61, 11-21		26
993	Antibiotic Resistant Superbugs: Assessment of the Interrelationship of Occurrence in Clinical Settings and Environmental Niches. 2016 , 22,		42
992	Comparison between a Direct-Flow SPR Immunosensor for Ampicillin and a Competitive Conventional Amperometric Device: Analytical Features and Possible Applications to Real Samples. 2017 , 17,		7
991	Chiral Analysis of Pesticides and Drugs of Environmental Concern: Biodegradation and Enantiomeric Fraction. 2017 , 9, 196		30
990	Anaerobic Membrane Bioreactor Effluent Reuse: A Review of Microbial Safety Concerns. 2017 , 3, 39		23
989	Editorial: Antibiotic Resistance in Aquatic Systems. 2017 , 8, 14		50

988	Marine Bivalve Mollusks As Possible Indicators of Multidrug-Resistant and Other Species of the Enterobacteriaceae Family. 2017 , 8, 24	24
987	Salmonella in Wastewater: Identification, Antibiotic Resistance and the Impact on the Marine Environment. 2017 ,	5
986	Treatment of Antibiotics in Wastewater Using Advanced Oxidation Processes (AOPs). 2017 ,	27
985	ESBL-producing Escherichia coli in Swedish gulls-A case of environmental pollution from humans?. 2017 , 12, e0190380	39
984	Facile Photoinduced Generation of Hydroxyl Radical on a Nitrocellulose Membrane Surface and its Application in the Degradation of Organic Pollutants. 2018 , 11, 843-847	8
983	In situ concentration-polarization-enhanced radical graft polymerization of NF270 for mitigating silica fouling and improving pharmaceutical and personal care product rejection. 2018 , 552, 387-395	16
982	A hybrid bioreactor based on insolubilized tyrosinase and laccase catalysis and microfiltration membrane remove pharmaceuticals from wastewater. 2018 , 201, 749-755	37
981	Occurrence of veterinary antibiotics in struvite recovery from swine wastewater by using a fluidized bed. 2018 , 12, 1	11
980	Abatement of the antibiotic levofloxacin in a solar photoelectro-Fenton flow plant: Modeling the dissolved organic carbon concentration-time relationship. 2018 , 198, 174-181	42
979	Long-Term Exposure of Agricultural Soil to Veterinary Antibiotics Changes the Population Structure of Symbiotic Nitrogen-Fixing Rhizobacteria Occupying Nodules of Soybeans (Glycine max). 2018 , 84,	8
978	Development of a mathematical model for the anaerobic digestion of antibiotic-contaminated wastewater. 2018 , 134, 319-335	6
977	Can the pharmaceutically active compounds released in agroecosystems be considered as emerging plant stressors?. 2018 , 114, 360-364	53
976	Equilibrium and kinetic studies of the adsorption of antibiotics from aqueous solutions onto powdered zeolites. 2018 , 205, 137-146	84
975	Effect of ciprofloxacin on methane production and anaerobic microbial community. 2018 , 261, 240-248	51
974	Antibiotic resistance in wastewater treatment plants: Tackling the black box. 2018 , 115, 312-324	220
973	The influence of antibiotics on wastewater treatment processes and the development of antibiotic-resistant bacteria. 2018 , 77, 2320-2326	9
972	Variation in bacterial community structure of aerobic granular and suspended activated sludge in the presence of the antibiotic sulfamethoxazole. 2018 , 261, 322-328	48
971	Construction of Ag/g-C ₃ N ₄ photocatalysts with visible-light photocatalytic activity for sulfamethoxazole degradation. 2018 , 341, 547-555	103

970 Land-Based Wastewater Management. **2018**, 311-325

- 969 Sulfamethoxazole photocatalytic degradation in a continuous flow reactor using artificial radiation. **2018**, 6, 1926-1933 6
- 968 Responses of biofilm microorganisms from moving bed biofilm reactor to antibiotics exposure: Protective role of extracellular polymeric substances. **2018**, 254, 268-277 68
- 967 Simultaneous removal of dihydroxybenzenes and toxicity reduction by *Penicillium chrysogenum* var. *halophenicum* under saline conditions. **2018**, 150, 240-250 6
- 966 Diclofenac removal from water by adsorption using activated carbon in batch mode and fixed-bed column: Isotherms, thermodynamic study and breakthrough curves modeling. **2018**, 181, 145-154 129
- 965 Degradation mechanism and kinetic modeling for UV/peroxydisulfate treatment of penicillin antibiotics. **2018**, 341, 93-101 33
- 964 Interactive effects between tetracycline and nitrosifying sludge microbiota in a nitrification membrane bioreactor. **2018**, 341, 556-564 25
- 963 Sustainable bioremediation of antibacterials, metals and pathogenic DNA in water. **2018**, 183, 112-120 9
- 962 Metal-organic framework technologies for water remediation: towards a sustainable ecosystem. **2018**, 6, 4912-4947 279
- 961 New concepts in anammox processes for wastewater nitrogen removal: recent advances and future prospects. **2018**, 365, 33
- 960 The reuse of reclaimed water for irrigation around the Mediterranean Rim: a step towards a more virtuous cycle?. **2018**, 18, 693-705 36
- 959 Enrichment of antibiotic resistance genes in soil receiving composts derived from swine manure, yard wastes, or food wastes, and evidence for multiyear persistence of swine *Clostridium* spp. **2018**, 64, 201-208 23
- 958 Effect of anthropogenic pollution on the fitness of tetracycline sensitive *Shigella flexneri* in Thames river water. **2018**, 6, 19-27 9
- 957 Occurrence and fate of antibiotics in a wastewater treatment plant and their biological effects on receiving waters in Guizhou. **2018**, 113, 483-490 46
- 956 Municipal wastewater spiramycin removal by conventional treatments and heterogeneous photocatalysis. **2018**, 624, 461-469 33
- 955 Occurrence and fate of emerging contaminants in municipal wastewater treatment plants from different geographical regions-a review. *Water Research*, **2018**, 133, 182-207 12.5 690
- 954 Oncological ward wastewater treatment by membrane bioreactor: Acclimation feasibility and pharmaceuticals removal performances. **2018**, 21, 9-26 19
- 953 A methodology for estimating concentrations of pharmaceuticals and personal care products (PPCPs) in wastewater treatment plants and in freshwaters. **2018**, 622-623, 1417-1430 35

952	Data fusion applied to the photodegradation study of ciprofloxacin using hyphenated detection systems (UV-Vis and fluorescence) and multivariate curve resolution. 2018 , 138, 180-189	7
951	Chronic impact of sulfamethoxazole: how does process kinetics relate to metabolic activity and composition of enriched nitrifying microbial culture?. 2018 , 93, 1722-1732	6
950	Recycling and reuse of rusted iron particles containing core-shell Fe-FeOOH for ibuprofen removal: Adsorption and persulfate-based advanced oxidation. 2018 , 178, 441-448	60
949	Removal of antibiotic resistant E. coli in two Norwegian wastewater treatment plants and by nano- and ultra-filtration processes. 2018 , 77, 1115-1126	28
948	Antibiotic resistance in urban and hospital wastewaters and their impact on a receiving freshwater ecosystem. 2018 , 206, 70-82	76
947	Uptake of Antibiotics and Their Toxicity to Lettuce Following Routine Irrigation with Contaminated Water in Different Soil Types. 2018 , 35, 887-896	13
946	Enhanced photodegradation of sulfamethoxazole by a novel WO ₃ -CNT composite under visible light irradiation. 2018 , 754, 153-162	50
945	Construction of p-n heterojunction film of CuO/FeO for efficiently photoelectrocatalytic degradation of oxytetracycline. 2018 , 526, 470-479	57
944	[Newly Designed Water Treatment Systems for Hospital Effluent]. 2018 , 138, 289-296	4
943	Biotransformation of Sulfonamide Antibiotics in Activated Sludge: The Formation of Pterin-Conjugates Leads to Sustained Risk. 2018 , 52, 6265-6274	63
942	Adsorption of metronidazole and spiramycin by an Algerian palygorskite. Effect of modification with tin. 2018 , 268, 293-302	22
941	Photosynthetic purple sulfur bacterium <i>Marichromatium purpuratum</i> RuA2 induces changes in water quality parameters, the occurrence of sulfonamide resistance gene and microbial community structure of marine aquaculture. 2018 , 493, 68-78	9
940	Chloramphenicol photo-Fenton degradation and toxicity changes in both surface water and a tertiary effluent from a municipal wastewater treatment plant at near-neutral conditions. 2018 , 347, 763-770	24
939	Sewer sediment-bound antibiotics as a potential environmental risk: Adsorption and desorption affinity of 14 antibiotics and one metabolite. 2018 , 239, 638-647	29
938	Effects of water environmental factors on the photocatalytic degradation of sulfamethoxazole by AgI/UiO-66 composite under visible light irradiation. 2018 , 748, 314-322	51
937	Occurrence and removal of pharmaceutical compounds and steroids at four wastewater treatment plants in Hawai'i and their environmental fate. 2018 , 631-632, 1360-1370	24
936	Sustainable bovine bone-derived hierarchically porous carbons with excellent adsorption of antibiotics: Equilibrium, kinetic and thermodynamic investigation. 2018 , 331, 162-170	28
935	Global review and analysis of erythromycin in the environment: Occurrence, bioaccumulation and antibiotic resistance hazards. 2018 , 238, 440-451	77

934	Highly-stable and efficient photocatalytic fuel cell based on an epitaxial TiO ₂ /WO ₃ /W nanothorn photoanode and enhanced radical reactions for simultaneous electricity production and wastewater treatment. 2018 , 220, 127-137	62
933	Ligand-Controlled Integration of Zn and Tb by Photoactive Terpyridyl-Functionalized Tricarboxylates as Highly Selective and Sensitive Sensors for Nitrofurans. 2018 , 57, 3833-3839	51
932	Effect of copper on the accumulation and elimination kinetics of fluoroquinolones in the zebrafish (<i>Danio rerio</i>). 2018 , 156, 135-140	16
931	Evaluation of UV/SO process efficiency for removal of metronidazole (MNZ) from aqueous solutions. 2017 , 2017, 126-133	10
930	Treatment processes for municipal wastewater reclamation: The challenges of emerging contaminants and direct potable reuse. 2018 , 2, 46-54	36
929	Simultaneous removal of amoxicillin, ampicillin and penicillin by clay supported Fe/Ni bimetallic nanoparticles. 2018 , 236, 562-569	51
928	Preparation of RuO-TiO/Nano-graphite composite anode for electrochemical degradation of ceftriaxone sodium. 2018 , 351, 250-259	53
927	Highly-oriented one-dimensional MOF-semiconductor nanoarrays for efficient photodegradation of antibiotics. 2018 , 8, 2117-2123	43
926	Removal of five fluoroquinolone antibiotics during broiler manure composting. 2018 , 39, 373-381	10
925	Simulating the fate of indigenous antibiotic resistant bacteria in a mild slope wastewater polluted stream. 2018 , 69, 95-104	14
924	Long-term low dissolved oxygen accelerates the removal of antibiotics and antibiotic resistance genes in swine wastewater treatment. 2018 , 334, 630-637	41
923	Abatement of amoxicillin and doxycycline in binary and ternary aqueous solutions by gas-phase pulsed corona discharge oxidation. 2018 , 334, 673-681	9
922	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. 2018 , 5, 27-47	162
921	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , 2018 , 128, 61-70	12.5 30
920	Environmental factors influencing the development and spread of antibiotic resistance. 2018 , 42,	361
919	Micropollutants removal from secondary-treated municipal wastewater using weak polyelectrolyte multilayer based nanofiltration membranes. 2018 , 548, 654-666	34
918	The role of operating parameters and oxidative damage mechanisms of advanced chemical oxidation processes in the combat against antibiotic-resistant bacteria and resistance genes present in urban wastewater. <i>Water Research</i> , 2018 , 129, 208-230	12.5 119
917	Biodegradation and Inhibitory Effects of Antibiotics on Biological Wastewater Treatment Systems. 2018 , 29-55	4

916	Biodegradation of sulfamethoxazole in bacteria from three different origins. 2018 , 206, 93-102	71
915	Polyimide-based carbon nanofibers: A versatile adsorbent for highly efficient removals of chlorophenols, dyes and antibiotics. 2018 , 537, 92-101	42
914	Live-dead discrimination analysis, qPCR assessment for opportunistic pathogens, and population analysis at ozone wastewater treatment plants. 2018 , 232, 571-579	37
913	Biochemical responses of <i>Solea senegalensis</i> after continuous flow exposure to urban effluents. 2018 , 615, 486-497	9
912	Occurrence and diversity of antibiotic resistance in untreated hospital wastewater. 2018 , 621, 990-999	111
911	Degradation of norfloxacin by CoFe ₂ O ₄ -GO composite coupled with peroxymonosulfate: A comparative study and mechanistic consideration. 2018 , 334, 273-284	206
910	Efficient mineralization of antibiotic ciprofloxacin in acid aqueous medium by a novel photoelectro-Fenton process using a microwave discharge electrodeless lamp irradiation. 2018 , 342, 364-374	33
909	Metal-mediated oxidation of fluoroquinolone antibiotics in water: A review on kinetics, transformation products, and toxicity assessment. 2018 , 344, 1136-1154	98
908	Effect of volumetric rate of photon absorption on the kinetics of micropollutant removal by solar photo-Fenton with Fe ³⁺ -EDDS at neutral pH. 2018 , 331, 84-92	33
907	Electron beam treatment for eliminating the antimicrobial activity of piperacillin in wastewater matrix. 2018 , 58, 24-32	13
906	Antibiotic resistant bacteria in urban sewage: Role of full-scale wastewater treatment plants on environmental spreading. 2018 , 191, 761-769	50
905	Antibiotic resistance and wastewater: Correlation, impact and critical human health challenges. 2018 , 6, 52-58	90
904	Dissemination of Extended-Spectrum Beta-Lactamase Producing Enterobacteriaceae in an Urban Wastewater Treatment Plant and Their Emission to a River. 2018 , 144, 04017093	2
903	Removal of fluoroquinolone from aqueous solution using graphene oxide: experimental and computational elucidation. 2018 , 25, 2942-2957	33
902	Removal of antibiotic sulfamethoxazole by anoxic/anaerobic/oxic granular and suspended activated sludge processes. 2018 , 251, 151-157	44
901	Simultaneous Decontamination of Seven Residual Antibiotics in Secondary Treated Effluents by Solar Photo-Fenton and Solar TiO ₂ Catalytic Processes. 2018 , 1517-1518	1
900	Nanocuboidal-shaped zirconium based metal organic framework for the enhanced adsorptive removal of nonsteroidal anti-inflammatory drug, ketorolac tromethamine, from aqueous phase. 2018 , 42, 1921-1930	20
899	Graphene and graphene nanocomposites for the removal of aromatic organic compounds from the water: systematic review. 2018 , 5, 012002	12

898	Comparison of pharmaceutical abatement in various water matrices by conventional ozonation, peroxone (O/HO), and an electro-peroxone process. <i>Water Research</i> , 2018 , 130, 127-138	12.5	102
897	Solar Light Responsive Poly(vinyl alcohol)-Assisted Hydrothermal Synthesis of Immobilized TiO ₂ /Ti Film with the Addition of Peroxymonosulfate for Photocatalytic Degradation of Ciprofloxacin in Aqueous Media: A Mechanistic Approach. 2018 , 122, 406-421		107
896	Bacterial perspectives on the dissemination of antibiotic resistance genes in domestic wastewater bio-treatment systems: beneficiary to victim. 2018 , 102, 597-604		9
895	Immobilized β -lactamase on Fe ₃ O ₄ magnetic nanoparticles for degradation of β -lactam antibiotics in wastewater. 2018 , 15, 2203-2212		20
894	Construction of plasmonic Ag modified phosphorous-doped ultrathin g-CN nanosheets/BiVO photocatalyst with enhanced visible-near-infrared response ability for ciprofloxacin degradation. 2018 , 344, 758-769		169
893	Effects of temperature, genetic variation and species competition on the sensitivity of algae populations to the antibiotic enrofloxacin. 2018 , 148, 228-236		20
892	Phosphine production in anaerobic wastewater treatment under tetracycline antibiotic pressure. 2018 , 69, 239-250		6
891	D-Tyrosine loaded nanocomposite membranes for environmental-friendly, long-term biofouling control. <i>Water Research</i> , 2018 , 130, 105-114	12.5	12
890	Disposal of household pharmaceuticals in insular communities: social attitude, behaviour evaluation and prevention activities. 2018 , 25, 26725-26735		12
889	OTHER WATER POLLUTANTS. 2018 , 177-187		
888	. 2018 ,		2
887	Interaction of ciprofloxacin with the activated sludge of the sewage treatment plant. 2018 , 25, 35064-35073		5
886	Antibiotics in wastewaters: a review with focus on Oman. 2018 , 8, 1		22
885	Epidemiological Evidence and Health Risks Associated With Agricultural Reuse of Partially Treated and Untreated Wastewater: A Review. 2018 , 6, 337		43
884	Response to Comment on "Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere". 2018 , 52, 14566-14567		
883	Non-activated peroxymonosulfate oxidation of sulfonamide antibiotics in water: Kinetics, mechanisms, and implications for water treatment. <i>Water Research</i> , 2018 , 147, 82-90	12.5	74
882	Factors influencing the fate of antibiotic resistance genes during thermochemical pretreatment and anaerobic digestion of pharmaceutical waste sludge. 2018 , 243, 1403-1413		23
881	Reduction of Antibiotic Resistant Bacteria During Conventional and Advanced Wastewater Treatment, and the Disseminated Loads Released to the Environment. 2018 , 9, 2599		59

880	Induced-fit adsorption of diol-based porous organic polymers for tetracycline removal. 2018 , 212, 937-945	18
879	Modeling emerging contaminants breakthrough in packed bed adsorption columns by UV absorbance and fluorescing components of dissolved organic matter. <i>Water Research</i> , 2018 , 145, 667-677 ¹²⁻⁵	36
878	Antibiotic contaminated water treated by photo driven advanced oxidation processes: Ultraviolet/H ₂ O ₂ vs ultraviolet/peracetic acid. 2018 , 205, 67-75	36
877	Comparative study of the toxicity between three non-steroidal anti-inflammatory drugs and their UV/NaSO degradation products on <i>Cyprinus carpio</i> . 2018 , 8, 13512	13
876	Abiotic, biotic and photolytic degradation affinity of 14 antibiotics and one metabolite - batch experiments and a model framework. 2018 , 241, 339-350	14
875	Comprehensive evaluation of autohydrogenotrophic membrane biofilm reactor treating OTC-enriched water medium. 2018 , 41, 1261-1269	9
874	Application of biosolids drives the diversity of antibiotic resistance genes in soil and lettuce at harvest. 2018 , 122, 131-140	34
873	Degradation of oxytetracycline under autotrophic nitrifying conditions in a membrane aerated biofilm reactor and community fingerprinting. 2018 , 356, 26-33	28
872	Nanocomposite thin films Ag(NP)/TiO in the efficient removal of micro-pollutants from aqueous solutions: A case study of tetracycline and sulfamethoxazole removal. 2018 , 220, 96-108	18
871	Metagenomic analysis reveals the prevalence and persistence of antibiotic- and heavy metal-resistance genes in wastewater treatment plant. 2018 , 56, 408-415	46
870	Improving the organic and biological fouling resistance and removal of pharmaceutical and personal care products through nanofiltration by using in situ radical graft polymerization. 2018 , 635, 543-550	11
869	Potential risks from UV/HO oxidation and UV photocatalysis: A review of toxic, assimilable, and sensory-unpleasant transformation products. <i>Water Research</i> , 2018 , 141, 109-125	12.5 89
868	The electro-peroxone process for the abatement of emerging contaminants: Mechanisms, recent advances, and prospects. 2018 , 208, 640-654	62
867	Long-term impact of a tetracycline concentration gradient on the bacterial resistance in anaerobic-aerobic sequential bioreactors. 2018 , 205, 308-316	28
866	Post-treatment of anaerobic membrane bioreactor (AnMBR) effluent using activated carbon. 2018 , 266, 75-81	13
865	Wastewater-based epidemiology biomarkers: Past, present and future. 2018 , 105, 453-469	194
864	Bioaugmentation of activated sludge with <i>Achromobacter denitrificans</i> PR1 for enhancing the biotransformation of sulfamethoxazole and its human conjugates in real wastewater: Kinetic tests and modelling. 2018 , 352, 79-89	9
863	Highly oriented SnS ₂ /RGO/Ag heterostructures for boosting photoelectrochemical and photocatalytic performances via schottky and RGO-n dual-heterojunctions interfacial effects. 2018 , 563, 118-126	8

862	Facile fabrication of ascorbic acid reduced graphene oxide-modified electrodes toward electroanalytical determination of sulfamethoxazole in aqueous environments. 2018 , 352, 188-197	38
861	Non-Singlet Oxygen Kinetic Solvent Isotope Effects in Aquatic Photochemistry. 2018 , 52, 9908-9916	16
860	Two anthracene-based metal-organic frameworks for highly effective photodegradation and luminescent detection in water. 2018 , 6, 17177-17185	62
859	The occurrence, maintenance, and proliferation of antibiotic resistance genes (ARGs) in the environment: influencing factors, mechanisms, and elimination strategies. 2018 , 102, 8261-8274	34
858	Operation costs of the solar photo-catalytic degradation of pharmaceuticals in water: A mini-review. 2018 , 211, 482-488	31
857	Performance of the nitrogen removal, bioactivity and microbial community responded to elevated norfloxacin antibiotic in an Anammox biofilm system. 2018 , 210, 1185-1192	23
856	Applications and factors influencing of the persulfate-based advanced oxidation processes for the remediation of groundwater and soil contaminated with organic compounds. 2018 , 359, 396-407	101
855	Human and veterinary antibiotics during composting of sludge or manure: Global perspectives on persistence, degradation, and resistance genes. 2018 , 359, 465-481	171
854	Degradation of antibiotic ampicillin on boron-doped diamond anode using the combined electrochemical oxidation - Sodium persulfate process. 2018 , 223, 878-887	46
853	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H. 2018 , 358, 294-301	22
852	High-silica zeolites for adsorption of organic micro-pollutants in water treatment: A review. <i>Water Research</i> , 2018 , 144, 145-161	12.5 208
851	A self-sustaining monolithic photoelectrocatalytic/photovoltaic system based on a WO ₃ /BiVO ₄ photoanode and Si PVC for efficiently producing clean energy from refractory organics degradation. 2018 , 238, 309-317	17
850	Removal Processes of Pharmaceuticals in Constructed Wetlands. 2018 , 343-403	2
849	Adsorption of Polyelectrolyte onto Nanosilica Synthesized from Rice Husk: Characteristics, Mechanisms, and Application for Antibiotic Removal. 2018 , 10,	50
848	Occurrence, Seasonal Variation and Risk Assessment of Antibiotics in Qingcaosha Reservoir. 2018 , 10, 115	18
847	The Effects of Antibiotics on Microbial Community Composition in an Estuary Reservoir during Spring and Summer Seasons. 2018 , 10, 154	5
846	Stevensite-based geofilter for the retention of tetracycline from water. 2018 , 645, 146-155	11
845	Microbial Hazards in Treated Wastewater: Challenges and Opportunities for Their Reusing in Egypt. 2018 , 313-336	

844	Graphene Oxide Supported Cobalt Phthalocyanine as Heterogeneous Catalyst to Activate Peroxymonosulfate for Efficient Degradation of Norfloxacin Antibiotics. 2018 , 144, 04018052	14
843	Culture-based study on the development of antibiotic resistance in a biological wastewater system treating stepwise increasing doses of streptomycin. 2018 , 8, 12	11
842	Treatment of penicillin with supercritical water oxidation: Experimental study of combined ReaxFF molecular dynamics. 2018 , 35, 900-908	15
841	Advanced oxidation process-mediated removal of pharmaceuticals from water: A review. 2018 , 219, 189-207	510
840	Removal of antibiotic from aqueous solution using synthesized TiO ₂ nanoparticles: characteristics and mechanisms. 2018 , 77, 1	28
839	Degradation of tetracyclines and sulfonamides by stevensite- and biochar-immobilized laccase systems and impact on residual antibiotic activity. 2018 , 93, 3394-3409	34
838	Occurrence, fate and removal of pharmaceuticals, personal care products and pesticides in wastewater stabilization ponds and receiving rivers in the Nzoia Basin, Kenya. 2018 , 637-638, 336-348	60
837	A pressurized liquid extraction approach followed by standard addition method and UPLC-MS/MS for a fast multiclass determination of antibiotics in a complex matrix. 2018 , 211, 893-902	9
836	Degradation of oxytetracycline (OTC) and nitrogen conversion characteristics using a novel strain. 2018 , 354, 758-766	40
835	Prediction of micropollutant abatement during homogeneous catalytic ozonation by a chemical kinetic model. <i>Water Research</i> , 2018 , 142, 383-395	12.5 48
834	Influence of sulfadimethoxine (SDM) and sulfamethazine (SM) on anammox bioreactors: Performance evaluation and bacterial community characterization. 2018 , 267, 84-92	22
833	Enhanced treatment of pharmaceutical wastewater by combining three-dimensional electrochemical process with ozonation to in situ regenerate granular activated carbon particle electrodes. 2019 , 208, 12-18	71
832	The occurrence, distribution and degradation of antibiotics by ionizing radiation: An overview. 2019 , 646, 1385-1397	233
831	Performance of secondary wastewater treatment methods for the removal of contaminants of emerging concern implicated in crop uptake and antibiotic resistance spread: A review. 2019 , 648, 1052-1081	227
830	Selective effect and elimination of antibiotics in membrane bioreactor of urban wastewater treatment plant. 2019 , 646, 1293-1303	38
829	Uptake and bioaccumulation of three widely prescribed pharmaceutically active compounds in tomato fruits and mediated effects on fruit quality attributes. 2019 , 647, 1169-1178	23
828	Application of sewage sludge to agricultural soil increases the abundance of antibiotic resistance genes without altering the composition of prokaryotic communities. 2019 , 647, 1410-1420	88
827	Trends in the occurrence and risk assessment of antibiotics in shallow lakes in the lower-middle reaches of the Yangtze River basin, China. 2019 , 183, 109511	39

826	Stress-responses of activated sludge and anaerobic sulfate-reducing bacteria sludge under long-term ciprofloxacin exposure. <i>Water Research</i> , 2019 , 164, 114964	12.5	34
825	Antibiotic resistance gene distribution in agricultural fields and crops. A soil-to-food analysis. 2019 , 177, 108608		45
824	Oxidation of flumequine in aqueous solution by UV-activated peroxymonosulfate: Kinetics, water matrix effects, degradation products and reaction pathways. 2019 , 237, 124484		39
823	Adsorption of Chloramphenicol on Commercial and Modified Activated Carbons. 2019 , 11, 1141		12
822	Prioritising site-specific micropollutants in surface water from LC-HRMS non-target screening data using a rarity score. 2019 , 31,		21
821	Genomic characterization, kinetics, and pathways of sulfamethazine biodegradation by <i>Paenarthrobacter</i> sp. A01. 2019 , 131, 104961		33
820	Characterization of bacterial communities in wastewater with enhanced taxonomic resolution by full-length 16S rRNA sequencing. 2019 , 9, 9673		68
819	Effects of Microbiological and Non-Microbiological Treatments of Sewage Sludge on Antibiotics as Emerging Pollutants Present in Wastewater. 2019 , 1-17		7
818	Immobilisation of TiO ₂ -P25 on a glass fibre mat: Preparation, photocatalytic activity and stability. 2019 , 188, 1232-1242		13
817	Preparation, characterization of titanate nanosheet/bozzolan nanocomposite and its use as an adsorbent for removal of diclofenac from simulated hospital effluents. 2019 , 102, 321-329		21
816	The impact of wastewater matrix on the degradation of pharmaceutically active compounds by oxidation processes including ultraviolet radiation and sulfate radicals. 2019 , 380, 120869		25
815	Contaminants of emerging concern removal from real wastewater by UV/free chlorine process: A comparison with solar/free chlorine and UV/HO at pilot scale. 2019 , 236, 124354		28
814	Sulfate radical-based oxidation of the antibiotics sulfamethoxazole, sulfisoxazole, sulfathiazole, and sulfamethizole: The role of five-membered heterocyclic rings. 2019 , 692, 201-208		31
813	Phytoremediation of anaerobically digested swine wastewater contaminated by oxytetracycline via <i>Lemna aequinoctialis</i> : Nutrient removal, growth characteristics and degradation pathways. 2019 , 291, 121853		42
812	Pharmaceutical exposure changed antibiotic resistance genes and bacterial communities in soil-surface- and overhead-irrigated greenhouse lettuce. 2019 , 131, 105031		25
811	Evaluation of the Sorption Potential of Mineral Materials Using Tetracycline as a Model Pollutant. 2019 , 9, 453		6
810	Oxidation of emerging biocides and antibiotics in wastewater by ozonation and the electro-peroxone process. 2019 , 235, 575-585		41
809	Distribution and co-occurrence of antibiotic and metal resistance genes in biofilms of an anthropogenically impacted stream. 2019 , 688, 437-449		20

808	Preparation of Iron-Loaded Granular Activated Carbon Catalyst and Its Application in Tetracycline Antibiotic Removal from Aqueous Solution. 2019 , 16,	12
807	Handy purifier based on bacterial cellulose and Ca-montmorillonite composites for efficient removal of dyes and antibiotics. 2019 , 222, 115017	24
806	Fault detection of sludge bulking using a self-organizing type-2 fuzzy-neural-network. 2019 , 90, 27-37	16
805	Metal-based ionic liquid assisted synthesis of highly dispersed mesoporous Fe(III)/SiO ₂ for enhanced adsorption of antibiotics. 2019 , 94, 3815-3824	6
804	Removal and dissipation pathway of typical fluoroquinolones in sewage sludge during aerobic composting. 2019 , 95, 450-457	10
803	Fundamental insights into ciprofloxacin adsorption by sulfate-reducing bacteria sludge: Mechanisms and thermodynamics. 2019 , 378, 122103	26
802	Nonradical transformation of sulfamethoxazole by carbon nanotube activated peroxydisulfate: Kinetics, mechanism and product toxicity. 2019 , 378, 122147	33
801	Industrial wastewater treatment plant enriches antibiotic resistance genes and alters the structure of microbial communities. <i>Water Research</i> , 2019 , 162, 437-445	12.5 45
800	Sources of Antibiotic Resistance. 2019 , 211-238	4
799	Strategies to Reduce or Eliminate Resistant Pathogens in the Environment. 2019 , 637-673	0
798	Removal of Enrofloxacin from Water through Magnetic Nanocomposites Prepared from Pineapple Waste Biomass. 2019 , 55, 536-547	4
797	Insight into the nitrification kinetics and microbial response of an enriched nitrifying sludge in the biodegradation of sulfadiazine. 2019 , 255, 113160	12
796	The contribution of selected organic substrates to the anaerobic cometabolism of sulfamethazine. 2019 , 54, 263-270	7
795	Prevalence and molecular epidemiology characteristics of carbapenem-resistant in Heilongjiang Province, China. 2019 , 12, 2505-2518	9
794	Translating antibiotic prescribing into antibiotic resistance in the environment: A hazard characterisation case study. 2019 , 14, e0221568	15
793	Magnetic aluminum-based metal organic framework as a novel magnetic adsorbent for the effective removal of minocycline from aqueous solutions. 2019 , 255, 113226	24
792	Pretreatment of swine manure containing β -lactam antibiotics with whole-cell biocatalyst to improve biogas production. 2019 , 240, 118070	19
791	TiO photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. <i>Water Research</i> , 2019 , 166, 115037	12.5 36

790	Local Environment Structure in Positively Charged Porous Ionic Polymers for Ultrafast Removal of Sulfonamide Antibiotics. 2019 , 58, 16629-16635	1
789	Efficient removal of oxytetracycline from aqueous solution using magnetic montmorillonite-biochar composite prepared by one step pyrolysis. 2019 , 695, 133800	22
788	Biodegradation mechanism of tetracycline (TEC) by strain Klebsiella sp. SQY5 as revealed through products analysis and genomics. 2019 , 185, 109676	27
787	Urban beaches are environmental hotspots for antibiotic resistance following rainfall. <i>Water Research</i> , 2019 , 167, 115081	12.5 14
786	Potential Benefits and Risks for Soil Health Derived From the Use of Organic Amendments in Agriculture. 2019 , 9, 542	45
785	Comprehensive investigation of a wide range of pharmaceuticals and personal care products in urban and hospital wastewaters in Greece. 2019 , 694, 133565	45
784	Removal efficiency of commonly prescribed antibiotics via tertiary wastewater treatment. 2019 , 26, 6301-6310	30
783	Degradation of ciprofloxacin by 185/254 nm vacuum ultraviolet: kinetics, mechanism and toxicology. 2019 , 5, 564-576	8
782	Alicyclophilus: current knowledge and potential for bioremediation of xenobiotics. 2019 , 126, 1643-1656	16
781	Impacts of solids retention time and antibiotic loading in activated sludge systems on secondary effluent water quality and microbial community structure. 2019 , 91, 546-560	2
780	Overcoming limitations in photochemical UVC/HO systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. 2019 , 660, 982-992	11
779	ZIF-8-Derived Hollow Carbon for Efficient Adsorption of Antibiotics. 2019 , 9,	26
778	Intensification of ceftriaxone degradation under UV and solar light irradiation in presence of phosphors based structured catalyst. 2019 , 137, 12-21	12
777	Heterogeneous photocatalysis using UVA-LEDs for the removal of antibiotics and antibiotic resistant bacteria from urban wastewater treatment plant effluents. 2019 , 367, 304-313	86
776	Ultrahigh adsorption of tetracycline on willow branch-derived porous carbons with tunable pore structure: Isotherm, kinetics, thermodynamic and new mechanism study. 2019 , 96, 473-482	19
775	Diversity of β -lactam resistance genes in gram-negative rods isolated from a municipal wastewater treatment plant. 2019 , 69, 591-601	15
774	Fate and removal of Ciprofloxacin in an anaerobic membrane bioreactor (AnMBR). 2019 , 289, 121683	26
773	Occurrence and Behavior of Macrolide Antibiotics in Municipal Wastewater Treatment: Possible Importance of Metabolites, Synthesis Byproducts, and Transformation Products. 2019 , 53, 7463-7472	25

772	Assessment of the Sulfamethoxazole mobility in natural soils and of the risk of contamination of water resources at the catchment scale. 2019 , 130, 104905	14
771	Preparing copper doped carbon nitride from melamine templated crystalline copper chloride for Fenton-like catalysis. 2019 , 256, 117830	85
770	Effect of plant physiological characteristics on the removal of conventional and emerging pollutants from aquaculture wastewater by constructed wetlands. 2019 , 135, 45-53	47
769	Effect of solar photo-Fenton process in raceway pond reactors at neutral pH on antibiotic resistance determinants in secondary treated urban wastewater. 2019 , 378, 120737	49
768	Simultaneous oxidation of ammonium and tetracycline in a membrane aerated biofilm reactor. 2019 , 682, 553-560	24
767	Elimination of antibiotic resistance genes and control of horizontal transfer risk by UV-based treatment of drinking water: A mini review. 2019 , 13, 1	35
766	Degradation of antibiotic cephalosporin C in aqueous solution and elimination of antimicrobial activity by gamma irradiation. 2019 , 374, 1102-1108	16
765	Antibiotic microbial resistance (AMR) removal efficiencies by conventional and advanced wastewater treatment processes: A review. 2019 , 685, 596-608	101
764	Enhanced photocatalytic activity of a hydrogen bond-assisted 2D/2D Z-scheme SnNbO/BiWO system: Highly efficient separation of photoinduced carriers. 2019 , 552, 678-688	37
763	Ordered Mesoporous Carbons for Adsorption of Paracetamol and Non-Steroidal Anti-Inflammatory Drugs: Ibuprofen and Naproxen from Aqueous Solutions. 2019 , 11, 1099	19
762	Amino-functionalized synthesis of MnO ₂ -NH ₂ -GO for catalytic ozonation of cephalexin. 2019 , 256, 117797	19
761	Insights into the Fate and Removal of Antibiotics in Engineered Biological Treatment Systems: A Critical Review. 2019 , 53, 7234-7264	231
760	Antibiotic residues and endocrine disrupting compounds in municipal wastewater treatment plants in Rome, Italy. 2019 , 148, 634-642	40
759	Reusable ionic liquid-functionalized polystyrene for the highly efficient removal of sulfadiazine sodium. 2019 , 136, 47981	0
758	Separation of Levofloxacin from Industry Effluents Using Novel Magnetic Nanocomposite and Membranes Hybrid Processes. 2019 , 2019, 5276841	14
757	Bimetallic Au/Ag decorated TiO ₂ nanocomposite membrane for enhanced photocatalytic degradation of tetracycline and bactericidal efficiency. 2019 , 487, 1008-1017	52
756	Fabrication of ZnFe-layered double hydroxides with graphene oxide for efficient visible light photocatalytic performance. 2019 , 101, 186-203	46
755	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant <i>Escherichia coli</i> and antibiotic resistance genes and phytotoxicity. <i>Water Research</i> , 2019 , 159, 333-347	12.5 125

754	Removal of selected pharmaceuticals from aqueous matrices with activated carbon under batch conditions. 2019 , 148, 661-672	18
753	Fate of antibiotics and antibiotic resistance genes in a full-scale restaurant food waste treatment plant: Implications of the roles beyond heavy metals and mobile genetic elements. 2019 , 85, 17-34	34
752	Antibiotic resistance genes attenuated with salt accumulation in saline soil. 2019 , 374, 35-42	27
751	A combined experimental and density functional theory study of metformin oxy-cracking for pharmaceutical wastewater treatment.. 2019 , 9, 13403-13413	17
750	Enhancement of ciprofloxacin degradation in the Fe(II)/peroxymonosulfate system by protocatechuic acid over a wide initial pH range. 2019 , 372, 1113-1121	37
749	Exploring QSPR modeling for adsorption of hazardous synthetic organic chemicals (SOCs) by SWCNTs. 2019 , 228, 545-555	12
748	Antibiotic resistance genes are abundant and diverse in raw sewage used for urban agriculture in Africa and associated with urban population density. 2019 , 251, 146-154	15
747	Electro-Catalytic Oxidation of Ofloxacin Antibiotic in Continuous Reactor: Evaluation, Transformation Products and Pathway. 2019 , 166, H250-H261	16
746	Efficient degradation of cefotaxime by a UV+ferrihydrite/TiO ₂ +H ₂ O ₂ process: the important role of ferrihydrite in transferring photo-generated electrons from TiO ₂ to H ₂ O ₂ . 2019 , 94, 2512-2521	5
745	Membrane biofouling retardation by zwitterionic peptide and its impact on the bacterial adhesion. 2019 , 26, 16674-16681	3
744	Comparison of amoxicillin photodegradation in the UV/H ₂ O ₂ and UV/persulfate systems: Reaction kinetics, degradation pathways, and antibacterial activity. 2019 , 372, 420-428	56
743	Effective adsorptive removal of amoxicillin from aqueous solutions and wastewater samples using zinc oxide coated carbon nanofiber composite. 2019 , 5, 143-149	28
742	Single-run ultra-high performance liquid chromatography for quantitative determination of ultra-traces of ten popular active pharmaceutical ingredients by quadrupole time-of-flight mass spectrometry after offline preconcentration by solid phase extraction from drinking and river waters as well as treated wastewater. 2019 , 148, 108-119	18
741	Photocatalytic Degradation of Azithromycin by Nanostructured TiO ₂ Film: Kinetics, Degradation Products, and Toxicity. 2019 , 12,	18
740	Photodegradation of pharmaceutical compounds in partially nitrated wastewater during UV irradiation. 2019 , 5, 897-909	10
739	Biotransformation of antibiotics: Exploring the activity of extracellular and intracellular enzymes derived from wastewater microbial communities. <i>Water Research</i> , 2019 , 155, 115-123	12.5 27
738	Antibiotics in the Soil Environment-Degradation and Their Impact on Microbial Activity and Diversity. 2019 , 10, 338	242
737	Catalytic degradation of sulfamethoxazole through peroxymonosulfate activated with expanded graphite loaded CoFe ₂ O ₄ particles. 2019 , 369, 403-413	188

736	Critical review of ARGs reduction behavior in various sludge and sewage treatment processes in wastewater treatment plants. 2019 , 49, 1623-1674	33
735	Controllable self-assembly of CdS@NH ₂ -MIL-125(Ti) heterostructure with enhanced photodegradation efficiency for organic pollutants through synergistic effect. 2019 , 97, 91-100	33
734	Degradation kinetics of cold plasma-treated antibiotics and their antimicrobial activity. 2019 , 9, 3955	33
733	Cellulose-supported magnetic Fe ₃ O ₄ /MOF composites for enhanced dye removal application. 2019 , 26, 4909-4920	45
732	Spiramycin adsorption behavior on activated bentonite, activated carbon and natural phosphate in aqueous solution. 2019 , 26, 15953-15972	7
731	Graphene based adsorbents for remediation of noxious pollutants from wastewater. 2019 , 127, 160-180	246
730	Mineralization of cefoperazone in acid medium by the microwave discharge electrodeless lamp irradiated photoelectro-Fenton using a RuO/Ti or boron-doped diamond anode. 2019 , 374, 186-194	13
729	Neighbor urban wastewater treatment plants display distinct profiles of bacterial community and antibiotic resistance genes. 2019 , 26, 11269-11278	17
728	Comparative removal of antibiotic resistance genes during chlorination, ozonation, and UV treatment. 2019 , 222, 541-548	62
727	Evaluating Antibiotic Resistance Gene Correlations with Antibiotic Exposure Conditions in Anaerobic Membrane Bioreactors. 2019 , 53, 3599-3609	47
726	3D hierarchical porous-structured biochar aerogel for rapid and efficient phenicol antibiotics removal from water. 2019 , 368, 639-648	74
725	Controllable synthesis of mesoporous manganese oxide microsphere efficient for photo-Fenton-like removal of fluoroquinolone antibiotics. 2019 , 248, 298-308	96
724	Effect of environmental factors on the oxidative transformation of cephalosporin antibiotics by manganese dioxides. 2019 , 21, 692-700	6
723	Photocatalytic degradation of binary and ternary mixtures of antibiotics: reactive species investigation in pilot scale. 2019 , 144, 300-309	19
722	Occurrence and removal of antibiotics and antibiotic resistance genes in natural and constructed riverine wetlands in Beijing, China. 2019 , 664, 546-553	45
721	Graphene and Graphene Oxide-Based Composites for Removal of Organic Pollutants: A Review. 2019 , 64, 833-867	149
720	Highly-efficient removal of norfloxacin with nanoscale zero-valent copper activated persulfate at mild temperature. 2019 , 366, 491-503	49
719	Highly efficient adsorption of fluoroquinolone antibiotics using chitosan derived granular hydrogel with 3D structure. 2019 , 281, 307-314	26

718	Selection and Transmission of Antibiotic-Resistant Bacteria. 2019 , 117-137	1
717	Effect of Sodium Alginate Content in Electrosynthesis of Magnetite for Paracetamol Degradation. 2019 , 19, 1199-1207	1
716	Hybrid advanced oxidation process (HAOP) as an effective pharmaceutical wastewater treatment. 2019 , 125, 03007	2
715	Mesoporous bimetallic Fe/Co as highly active heterogeneous Fenton catalyst for the degradation of tetracycline hydrochlorides. 2019 , 9, 15820	12
714	Greenhouse and Nursery Water Management Characterization and Research Priorities in the USA. 2019 , 11, 2338	6
713	Nanotechnology Characterization Tools for Environment, Health, and Safety. 2019 ,	1
712	Antimicrobials and Antimicrobial Resistance in the Environment and Its Remediation: A Global One Health Perspective. 2019 , 16,	5
711	Microbiological Constraints for Use of Reclaimed and Reconditioned Water in Food Production and Processing Operations. 2019 , 1021-1047	
710	Removal of ibuprofen from aqueous solutions by adsorption on tiny zinc oxide sheet-like structure. 2019 ,	1
709	Visible active natural hematite ore incorporated ZnO composite for efficient photodegradation of ciprofloxacin. 2019 , 1-14	2
708	Enhanced removal of antibiotics in hospital wastewater by Fe ₃ O ₄ /ZnO activated persulfate oxidation. 2019 , 5, 2193-2201	8
707	Recycling Oxacillin Residues from Environmental Waste into Graphene Quantum Dots. 2019 , 5, 68	2
706	Wastewater used for urban agriculture in West Africa as a reservoir for antibacterial resistance dissemination. 2019 , 168, 14-24	38
705	Antibiotics in a typical karst river system in China: Spatiotemporal variation and environmental risks. 2019 , 650, 1348-1355	51
704	Distribution patterns of antibiotic residues in an urban river catchment. 2019 , 33, 31-39	1
703	Impact of the particulate matter from wastewater discharge on the abundance of antibiotic resistance genes and facultative pathogenic bacteria in downstream river sediments. 2019 , 649, 1171-1178	37
702	Magnetic ordered mesoporous carbon materials for adsorption of minocycline from aqueous solution: Preparation, characterization and adsorption mechanism. 2019 , 362, 1-8	68
701	Cu and Co nanoparticles co-doped MIL-101 as a novel adsorbent for efficient removal of tetracycline from aqueous solutions. 2019 , 650, 408-418	112

700	Sonochemical degradation of antibiotics from representative classes-Considerations on structural effects, initial transformation products, antimicrobial activity and matrix. 2019 , 50, 157-165	40
699	Performance of hybrid systems coupling advanced oxidation processes and ultrafiltration for oxytetracycline removal. 2019 , 328, 274-280	25
698	Alginate-based composites for environmental applications: A critical review. 2018 , 49, 318-356	127
697	A novel 3D-structured flower-like bismuth tungstate/mag-graphene nanoplates composite with excellent visible-light photocatalytic activity for ciprofloxacin degradation. 2019 , 121, 27-31	15
696	Amoxicillin electro-catalytic oxidation using Ti/RuO ₂ anode: Mechanism, oxidation products and degradation pathway. 2019 , 296, 856-866	50
695	Distribution of antibiotic resistance genes in soils and crops. A field study in legume plants (<i>Vicia faba</i> L.) grown under different watering regimes. 2019 , 170, 16-25	48
694	Oxytetracycline degradation and toxicity evolution by catalytic oxidation process over sludge derived carbon. 2019 , 7, 102889	9
693	Residual micro organic pollutants and their biotoxicity of the effluent from the typical textile wastewater treatment plants at Pearl River Delta. 2019 , 657, 696-703	20
692	Environmental fate of pharmaceutical compounds and antimicrobial-resistant bacteria in hospital effluents, and contributions to pollutant loads in the surface waters in Japan. 2019 , 657, 476-484	55
691	Optimization of rDNA degradation in recombinant Hepatitis B vaccine production plant wastewater using visible light excited Ag-doped TiO ₂ nanophotocatalyst. 2019 , 122, 328-338	10
690	Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor. 2019 , 365, 34-43	11
689	Removal of Tetracycline Resistance and Bacteria Diversity Changes by Advanced Membrane Process. 2019 , 145, 04018132	5
688	Ultrafine palladium nanoparticles supported on 3D self-supported Ni foam for cathodic dechlorination of florfenicol. 2019 , 359, 894-901	86
687	Mixed-chemical exposure and predicted effects potential in wadeable southeastern USA streams. 2019 , 655, 70-83	26
686	Biochar-induced Fe(III) reduction for persulfate activation in sulfamethoxazole degradation: Insight into the electron transfer, radical oxidation and degradation pathways. 2019 , 362, 561-569	117
685	The presence of in situ sulphamethoxazole degraders and their interactions with other microbes in activated sludge as revealed by DNA stable isotope probing and molecular ecological network analysis. 2019 , 124, 121-129	18
684	Impact of ampicillin on the nitrogen removal, microbial community and enzymatic activity of activated sludge. 2019 , 272, 337-345	35
683	Opinion paper about organic trace pollutants in wastewater: Toxicity assessment in a European perspective. 2019 , 651, 3202-3221	35

682	Antibiotic resistance genes distribution in microbiomes from the soil-plant-fruit continuum in commercial <i>Lycopersicon esculentum</i> fields under different agricultural practices. 2019 , 652, 660-670	37
681	Highly efficient removal of enrofloxacin by magnetic montmorillonite via adsorption and persulfate oxidation. 2019 , 360, 1119-1127	38
680	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. 2019 , 537, 101-111	42
679	Eco-efficiency of centralized wastewater treatment plants in industrial parks: A slack-based data envelopment analysis. 2019 , 141, 176-186	53
678	Synergy effect of E-peroxone process in the degradation of structurally diverse pharmaceuticals: A QSAR analysis. 2019 , 360, 1111-1118	9
677	Response of chloramphenicol-reducing biocathode resistome to continuous electrical stimulation. <i>Water Research</i> , 2019 , 148, 398-406	12.5 69
676	Constructed wetlands combined with disinfection systems for removal of urban wastewater contaminants. 2019 , 656, 558-566	23
675	Microbial diversity and antibiotic resistance in a final effluent-receiving lake. 2019 , 650, 2951-2961	35
674	Using in situ modification to enhance organic fouling resistance and rejection of pharmaceutical and personal care products in a thin-film composite nanofiltration membrane. 2019 , 26, 34073-34084	11
673	Wastewater treatment plant resistomes are shaped by bacterial composition, genetic exchange, and upregulated expression in the effluent microbiomes. 2019 , 13, 346-360	135
672	Au-nanoparticle/nanopillars TiO ₂ meso-porous thin films in the degradation of tetracycline using UV-A light. 2019 , 69, 141-152	31
671	Understanding the adsorption of sulfonamide antibiotics on MIL-53s: Metal dependence of breathing effect and adsorptive performance in aqueous solution. 2019 , 535, 159-168	44
670	Water depollution using metal-organic frameworks-catalyzed advanced oxidation processes: A review. 2019 , 372, 3-16	201
669	Selection and Transmission of Antibiotic-Resistant Bacteria. 2017 , 5,	26
668	Intensification of UV-C tertiary treatment: Disinfection and removal of micropollutants by sulfate radical based Advanced Oxidation Processes. 2019 , 372, 94-102	51
667	Sources, behaviour and health risks of antimicrobial resistance genes in wastewaters: A hotspot reservoir. 2020 , 8, 102220	26
666	Prevalence of antibiotics and antibiotic resistance genes in a wastewater effluent-receiving river in the Netherlands. 2020 , 8, 102245	100
665	Sunlight-assisted oxidative degradation of cefixime antibiotic from aqueous medium using TiO ₂ /nitrogen doped holey graphene nanocomposite as a high performance photocatalyst. 2020 , 8, 102204	19

664	On the contribution of reclaimed wastewater irrigation to the potential exposure of humans to antibiotics, antibiotic resistant bacteria and antibiotic resistance genes [NEREUS COST Action ES1403 position paper. 2020 , 8, 102131		44
663	Effects of persulfate treatment on antibiotic resistance genes abundance and the bacterial community in secondary effluent. 2020 , 382, 121860		14
662	Resistance to copper oxide nanoparticle and oxytetracycline of partial nitrification sludge. 2020 , 381, 122661		18
661	Inhibition of anaerobic ammonium oxidation (anammox) bacteria by addition of high and low concentrations of chloramphenicol and comparison of attached- and suspended-growth. 2020 , 238, 124570		14
660	Small-scale wastewater treatment plants as a source of the dissemination of antibiotic resistance genes in the aquatic environment. 2020 , 381, 121221		68
659	Adsorptive interaction of peroxymonosulfate with graphene and catalytic assessment via non-radical pathway for the removal of aqueous pharmaceuticals. 2020 , 384, 121340		31
658	Enhanced photocatalytic degradation of antibiotics in water over functionalized N,S-doped carbon quantum dots embedded ZnO nanoflowers under sunlight irradiation. 2020 , 382, 123016		65
657	Synergistic effects of combining ozonation, ceramic membrane filtration and biologically active carbon filtration for wastewater reclamation. 2020 , 382, 121091		22
656	Optimising wastewater treatment solutions for the removal of contaminants of emerging concern (CECs): a case study for application in India. 2020 , 22, 93-110		13
655	Fate of antibiotic resistance genes in reclaimed water reuse system with integrated membrane process. 2020 , 382, 121025		40
654	Magnetic graphene TiO ₂ -based photocatalyst for the removal of pollutants of emerging concern in water by simulated sunlight aided photocatalytic ozonation. 2020 , 262, 118275		34
653	Advanced treatment of urban wastewater by UV-C/free chlorine process: Micro-pollutants removal and effect of UV-C radiation on trihalomethanes formation. <i>Water Research</i> , 2020 , 169, 115220	12.5	30
652	The BiOCl ₂ /diatomite composites for rapid photocatalytic degradation of ciprofloxacin: Efficiency, toxicity evaluation, mechanisms and pathways. 2020 , 380, 122422		81
651	Tube-in-tube membrane microreactor for photochemical UVC/H ₂ O ₂ processes: A proof of concept. 2020 , 379, 122341		13
650	Environmental impact and biological removal processes of pharmaceutically active compounds: The particular case of sulfonamides, anticonvulsants and steroid estrogens. 2020 , 50, 698-742		12
649	Simultaneous HPLC-PDA determination of commonly prescribed antidepressants and caffeine in sludge from sewage treatment plants and river sediments in the Itaipu reservoir region, Paraná, Brazil. 2020 , 100, 1004-1020		1
648	High-flux zwitterionic nanofiltration membrane constructed by in-situ introduction method for monovalent salt/antibiotics separation. 2020 , 593, 117441		63
647	A novel discovery of a heterogeneous Fenton-like system based on natural siderite: A wide range of pH values from 3 to 9. 2020 , 698, 134293		17

646	Biodegradation of antibiotics: The new resistance determinants - part II. 2020 , 54, 13-27		21
645	Removal of carbamazepine, diclofenac and trimethoprim by solar driven advanced oxidation processes in a compound triangular collector based reactor: A comparison between homogeneous and heterogeneous processes. 2020 , 238, 124665		27
644	Ternary Z-Scheme Heterojunction of Bi ₂ WO ₆ with Reduced Graphene Oxide (rGO) and Bi ₂₅ FeO ₄₀ for Enhanced Visible-Light Photocatalysis. 2020 , 30, 2152-2162		6
643	UV-254 transformation of antibiotics in water and wastewater treatment processes. 2020 , 239-297		2
642	Metagenomic analysis of β -lactamase and carbapenemase genes in the wastewater resistome. <i>Water Research</i> , 2020 , 170, 115277	12.5	23
641	Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. 2020 , 384, 123382		51
640	Efficient electricity production coupled with water treatment via a highly adaptable, successive water-energy synergistic system. 2020 , 67, 104237		5
639	Physicochemical properties of antibiotics: A review with an emphasis on detection in the aquatic environment. 2020 , 92, 177-188		36
638	Groundwater dependent ecosystems in coastal Mediterranean regions: Characterization, challenges and management for their protection. <i>Water Research</i> , 2020 , 172, 115461	12.5	25
637	Metal-Organic Framework@Carbon Hybrid Magnetic Material as an Efficient Adsorbent for Pollutant Extraction. 2020 , 12, 6419-6425		18
636	Simultaneous determination of multiclass antibiotics in sewage sludge based on QuEChERS extraction and liquid chromatography-tandem mass spectrometry. 2020 , 12, 576-586		13
635	The investigation of antibiotic residues, antibiotic resistance genes and antibiotic-resistant organisms in a drinking water reservoir system in Germany. 2020 , 224, 113449		29
634	Reducing residual antibiotic levels in animal feces using intestinal <i>Escherichia coli</i> with surface-displayed erythromycin esterase. 2020 , 388, 122032		11
633	Magnetite-based catalysts for wastewater treatment. 2020 , 27, 4664-4682		10
632	Occurrence and human health risk assessment of pharmaceuticals and personal care products in real agricultural systems with long-term reclaimed wastewater irrigation in Beijing, China. 2020 , 190, 110022		31
631	Energy-saving photo-degradation of three fluoroquinolone antibiotics under VUV/UV irradiation: Kinetics, mechanism, and antibacterial activity reduction. 2020 , 383, 123145		24
630	Enhanced photocatalytic activity of molybdenum disulfide by compositing ZnAl ₂ O ₄ . 2020 , 586, 124140		17
629	Fabrication of multi-walled carbon nanotubes and carbon black co-modified graphite felt cathode for amoxicillin removal by electrochemical advanced oxidation processes under mild pH condition. 2020 , 27, 8231-8247		14

628	Antibiotics presence in hospitals and associated wastes. 2020 , 28-38	
627	Antibiotics and antimicrobial resistance mechanism of entry in the environment. 2020 , 126-137	
626	Catalytic ozonation of the antibiotic sulfadiazine: Reaction kinetics and transformation mechanisms. 2020 , 247, 125853	11
625	Combined membrane filtration and 265 nm UV irradiation for effective removal of cell free antibiotic resistance genes from feed water and concentrate. 2020 , 598, 117676	27
624	Limitations and Prospects for Wastewater Treatment by UV and Visible-Light-Active Heterogeneous Photocatalysis: A Critical Review. 2019 , 378, 7	48
623	Liquid crystal display electrode-assisted bio-electroperoxone treatment train for the abatement of organic contaminants in a pharmaceutical wastewater. 2020 , 27, 29737-29748	4
622	Treatment technologies and management options of antibiotics and AMR/ARGs. 2020 , 369-393	3
621	Simultaneous sulfamethoxazole biodegradation and nitrogen conversion in low C/N ratio pharmaceutical wastewater by <i>Achromobacter</i> sp. JL9. 2020 , 703, 135586	18
620	Effects of ciprofloxacin on metabolic activity and algal biomass of urban stream biofilms. 2020 , 706, 135728	8
619	Effects of industrial effluents containing moderate levels of antibiotic mixtures on the abundance of antibiotic resistance genes and bacterial community composition in exposed creek sediments. 2020 , 706, 136001	10
618	Antimicrobial pharmaceuticals in the aquatic environment - occurrence and environmental implications. 2020 , 866, 172813	109
617	Prevalence of Potentially Pathogenic Antibiotic-Resistant spp. in Treated Urban Wastewater Effluents versus Recipient Riverine Populations: a 3-Year Comparative Study. 2020 , 86,	10
616	A review on contamination and removal of sulfamethoxazole from aqueous solution using cleaner techniques: Present and future perspective. 2020 , 250, 119553	65
615	Mitigation of antibiotic resistance in a pilot-scale system treating wastewater from high-speed railway trains. 2020 , 245, 125484	8
614	Host identity determines plant associated resistomes. 2020 , 258, 113709	9
613	Direct soil analysis by paper spray mass spectrometry: Detection of drugs and chemical warfare agent hydrolysis products. 2020 , 17, 100206	14
612	Nano-hybrids of needle-like MnO on graphene oxide coupled with peroxymonosulfate for enhanced degradation of norfloxacin: A comparative study and probable degradation pathway. 2020 , 562, 1-11	28
611	Decay of elevated antibiotic resistance genes in natural river sediments after sedimentation of wastewater particles. 2020 , 705, 135861	6

610	Facile Synthesis of Gold Nanoparticles Decorated Core-Shell Fe ₃ O ₄ @Carbon: Control of Surface Charge and Comparison in Catalytic Reduction for Methyl Orange. 2020 , 20, 2330-2336	6
609	Preparation of Hollow Flower-Like Microspherical BiO/BiOCl Heterojunction and High Photocatalytic Property for Tetracycline Hydrochloride Degradation. 2019 , 10,	20
608	Modeling anaerobic digestion metabolic pathways for antibiotic-contaminated wastewater treatment. 2020 , 31, 341-368	3
607	Evaluation of frameworks proposed as protective of antimicrobial resistance propagation in the environment. 2020 , 144, 106053	9
606	Exploring the Specificity of Extracellular Wastewater Peptidases to Improve the Design of Sustainable Peptide-Based Antibiotics. 2020 , 54, 11201-11209	0
605	The hybrid system successfully to consisting of activated sludge and biofilter process from hospital wastewater: Ecotoxicological study. 2020 , 276, 111098	5
604	Desorption of Organic Micropollutants from Loaded Granular Activated Carbon. 2020 , 12, 2754	1
603	Use of nanohybrid nanomaterials in water treatment: highly efficient removal of ranitidine.. 2020 , 10, 37050-37063	5
602	Label-Free Ultrasensitive and Environment-Friendly Immunosensor Based on a Silica Optical Fiber for the Determination of Ciprofloxacin in Wastewater Samples. 2020 , 92, 14415-14422	7
601	Occurrence and fate of antibiotics, antimicrobial resistance determinants and potential human pathogens in a wastewater treatment plant and their effects on receiving waters in Nanjing, China. 2020 , 206, 111371	17
600	Impact of oxytetracycline on anaerobic wastewater treatment and mitigation using enhanced hydrolysis pretreatment. <i>Water Research</i> , 2020 , 187, 116408	12.5 20
599	Adsorption of amoxicillin onto high surface area-activated carbons based on olive biomass: kinetic and equilibrium studies. 2020 , 27, 41394-41404	10
598	Unraveling influence of metal species on norfloxacin removal by mesoporous metallic silicon adsorbent. 2020 , 27, 35638-35649	2
597	Development of an Electrochemical Ceramic Membrane Bioreactor for the Removal of PPCPs from Wastewater. 2020 , 12, 1838	4
596	An Efficient Catalytic Composite Material of Mesoporous Carbon Loaded Nano Zero-Valent Iron as an Activator for the Degradation of Sulfadiazine. 2020 , 231, 1	3
595	Microbial community structure and nitrogen removal responses of an aerobic denitrification biofilm system exposed to tetracycline. 2020 , 529, 735665	12
594	Occurrence and risks of antibiotics in an urban river in northeastern Tibetan Plateau. 2020 , 10, 20054	11
593	Quantification of Active Ingredient Losses from Formulating Pharmaceutical Industries and Contribution to Wastewater Treatment Plant Emissions. 2020 , 54, 15046-15056	3

592	Occurrence of pharmaceuticals in aquatic environments: A review and potential impacts in South Africa. 2020 , 116,		9
591	Photocatalytic degradation efficiency of hazardous macrolide compounds using an external UV-light irradiation slurry reactor. 2020 , 82, 695-703		1
590	Applying a new pomelo peel derived biochar in microbial fell cell for enhancing sulfonamide antibiotics removal in swine wastewater. 2020 , 318, 123886		15
589	Fate of micropollutants in chemically enhanced primary treatment using recovered coagulants. 2020 , 269, 110815		5
588	Ecotoxicological effects of micropollutant-loaded powdered activated carbon emitted from wastewater treatment plants on <i>Daphnia magna</i> . 2020 , 746, 141104		6
587	Energy-efficient erythromycin degradation using UV-LED (275 nm)/chlorine process: Radical contribution, transformation products, and toxicity evaluation. <i>Water Research</i> , 2020 , 185, 116159	12.5	15
586	Effects of Sulfamethoxazole Exposure on the Growth, Antioxidant System of <i>Chlorella vulgaris</i> and <i>Microcystis aeruginosa</i> . 2020 , 105, 358-365		6
585	Isolation of oxytetracycline-degrading bacteria and its application in improving the removal performance of aerobic granular sludge. 2020 , 272, 111115		5
584	Prevalence, antibiotic resistance and virulence of <i>Enterococcus</i> spp. from wastewater treatment plant effluent and receiving waters in South Africa. 2020 , 18, 753-765		4
583	High Prevalence of Human-Associated in Wetlands Located in Eastern France. 2020 , 11, 552566		5
582	Environmental, Economic, and Ethical Assessment of the Treated Wastewater and Sewage Sludge Valorization in Agriculture. 2020 , 49-78		
581	An alternative material for an effective treatment technique proposal in the light of bibliometric profile of global scientific research on antibiotic resistance and <i>Escherichia coli</i> . 2020 , 192, 714		0
580	The level of antimicrobial resistance of sewage isolates is higher than that of river isolates in different <i>Escherichia coli</i> lineages. 2020 , 10, 17880		5
579	Membrane Fouling Inversely Impacts Intracellular and Extracellular Antibiotic Resistance Gene Abundances in the Effluent of an Anaerobic Membrane Bioreactor. 2020 , 54, 12742-12751		6
578	High yield and mitigation of N-loss from paddy fields obtained by irrigation using optimized application of sewage tail water. 2020 , 304, 107137		2
577	Degradation of Ceftriaxone from aquatic solution using a heterogeneous and reusable O ₃ /UV/Fe ₃ O ₄ @TiO ₂ systems: operational factors, kinetics and mineralisation. 2020 , 1-17		13
576	Implementing Sustainable Irrigation in Water-Scarce Regions under the Impact of Climate Change. 2020 , 10, 1120		36
575	Enhanced visible-light utilization with ZnCo ₂ O ₄ BiErWO ₆ heterojunctions towards photocatalytic degradation of antibiotics. 2020 , 31, 18248-18262		0

574	Co-occurrence characteristics of antibiotics and estrogens and their relationships in a lake system affected by wastewater. 2020 , 49, 1322-1333	2
573	Occurrence and distribution of antibiotic resistance genes in lakes and reservoirs from water-receiving area of Eastern Route of the South-to-North Water Diversion Project, Northern China. 2020 , 20, 3029-3037	0
572	Effect of sludge recirculation on removal of antibiotics in two-stage membrane bioreactor (MBR) treating livestock wastewater. 2020 , 18, 1541-1553	1
571	Antibiotic resistance in agricultural soils: Source, fate, mechanism and attenuation strategy. 2020 , 1-43	10
570	Aggregation-induced emission luminogen: A new perspective in the photo-degradation of organic pollutants. 2020 , 2, e12024	6
569	Highly Efficient and Recyclable ZIF-67 Catalyst for the Degradation of Tetracycline. 2020 , 150, 3017-3022	12
568	Synthesis of BiOBr/AgPO heterojunctions on carbon-fiber cloth as filter-membrane-shaped photocatalyst for treating the flowing antibiotic wastewater. 2020 , 575, 183-193	34
567	Research Progress of Antibiotic Resistance Genes (Args) Pollution in Drinking Water Source. 2020 , 440, 042020	0
566	Photocatalytic removal of organic pollutants and self-cleaning performance of PES membrane incorporated sulfonated graphene oxide/ZnO nanocomposite. 2020 , 95, 3012-3023	8
565	Defensive responses of microalgal-bacterial granules to tetracycline in municipal wastewater treatment. 2020 , 312, 123605	21
564	Deciphering the role of calcium peroxide on the fate of antibiotic resistance genes and mobile genetic elements during bioelectrochemically-assisted anaerobic composting of excess dewatered sludge. 2020 , 397, 125355	9
563	A Biodegradable Magnetic Nanocomposite as a Superabsorbent for the Simultaneous Removal of Selected Fluoroquinolones from Environmental Water Matrices: Isotherm, Kinetics, Thermodynamic Studies and Cost Analysis. 2020 , 12,	17
562	Antibiotic-resistant bacteria and antimicrobial residues in wastewater and process water from German pig slaughterhouses and their receiving municipal wastewater treatment plants. 2020 , 727, 138788	34
561	Efficient degradation of lomefloxacin by Co-Cu-LDH activating peroxymonosulfate process: Optimization, dynamics, degradation pathway and mechanism. 2020 , 399, 122966	30
560	A Review of Enhanced Micromixing Techniques in Microfluidics for the Application in Wastewater Analysis. 2020 , 1-22	2
559	Effects of prescription antibiotics on soil- and root-associated microbiomes and resistomes in an agricultural context. 2020 , 400, 123208	17
558	Metal-organic frameworks as adsorbents for sequestering organic pollutants from wastewater. 2020 , 253, 123246	23
557	Adsorption, desorption and coadsorption behaviors of sulfamerazine, Pb(II) and benzoic acid on carbon nanotubes and nano-silica. 2020 , 738, 139685	13

556	Contamination of Surface Water and River Sediments by Antibiotic and Antiretroviral Drug Cocktails in Low and Middle-Income Countries: Occurrence, Risk and Mitigation Strategies. 2020 , 12, 1376	18
555	Anaerobic membrane bioreactors for antibiotic wastewater treatment. 2020 , 219-239	3
554	Performance comparison of different types of constructed wetlands for the removal of pharmaceuticals and their transformation products: a review. 2020 , 27, 14342-14364	24
553	Occurrence of antibiotics and risk of antibiotic resistance evolution in selected Kenyan wastewaters, surface waters and sediments. 2020 , 720, 137580	48
552	Innovative light-driven chemical/catalytic reactors towards contaminants of emerging concern mitigation: A review. 2020 , 394, 124865	20
551	Ecotoxicity and antibiotic resistance of wastewater during transport in an urban sewage network. 2020 , 27, 19991-19999	3
550	Effects of Farming Activities on the Temporal and Spatial Changes of Hydrogen and Oxygen Isotopes Present in Groundwater in the Hani Rice Terraces, Southwest China. 2020 , 12, 265	2
549	Graphene-based nanomaterial for the removal of sulfamethoxazole in water. 2020 , 31, 198-201	1
548	Euphorbia polygonifolia extract assisted biosynthesis of Fe ₃ O ₄ @CuO nanoparticles: Applications in the removal of metronidazole, ciprofloxacin and cephalexin antibiotics from aqueous solutions under UV irradiation. 2020 , 34, e5910	13
547	Assessing hospital impact on pharmaceutical levels in a rural 'source-to-sink' water system. 2020 , 737, 139618	9
546	Feasibility study on applying the iron-activated persulfate system as a pre-treatment process for clofibric acid selective degradation in municipal wastewater. 2020 , 739, 140020	7
545	Highly efficient adsorption of three antibiotics from aqueous solutions using glucose-based mesoporous carbon. 2020 , 528, 147048	25
544	Assessing the applicability of a new carob waste-derived powdered activated carbon to control pharmaceutical compounds in wastewater treatment. 2020 , 743, 140791	16
543	What triggers dye adsorption by metal organic frameworks? The current perspectives. 2020 , 1, 1575-1601	61
542	A chemical, microbiological and (eco)toxicological scheme to understand the efficiency of UV-C/HO oxidation on antibiotic-related microcontaminants in treated urban wastewater. 2020 , 744, 140835	6
541	Heterogeneous Photocatalysis. 2020 ,	2
540	Comparative study on ciprofloxacin removal in sulfur-mediated biological systems. 2020 , 31, 1432-1437	9
539	Two Co(II)-based metal organic frameworks for highly efficient removal of azo dyes from aqueous environment: Synthesis, selective adsorption and adsorption mechanism. 2020 , 603, 125236	15

538	The environmental contribution to the dissemination of carbapenem and (fluoro)quinolone resistance genes by discharged and reused wastewater effluents: The role of cellular and extracellular DNA. <i>Water Research</i> , 2020 , 182, 116011	12.5	15
537	Unravelling kinetic and microbial responses of enriched nitrifying sludge under long-term exposure of cephalexin and sulfadiazine. <i>Water Research</i> , 2020 , 173, 115592	12.5	19
536	Hollow core/shell Bi ₂ O ₃ @WS ₂ p _n heterojunction for efficient photocatalytic degradation of fluoroquinolones: a theoretical and experimental study. 2020 , 7, 1374-1385		5
535	Predicting mixture toxicity and antibiotic resistance of fluoroquinolones and their photodegradation products in <i>Escherichia coli</i> . 2020 , 262, 114275		19
534	Ultimate Eradication of the Ciprofloxacin Antibiotic from the Ecosystem by Nanohybrid GO/O-CNTs. 2020 , 5, 4457-4468		8
533	Comparison of novel functionalized nanofiber forward osmosis membranes for application in antibacterial activity and TRGs rejection. 2020 , 392, 122250		14
532	Opportunities for coupled electrochemical and ion-exchange technologies to remove recalcitrant micropollutants in water. 2020 , 239, 116522		10
531	Comparing biochar- and bentonite-supported Fe-based catalysts for selective degradation of antibiotics: Mechanisms and pathway. 2020 , 183, 109156		38
530	Photochemical and photocatalytical degradation of antibiotics in water promoted by solar irradiation. 2020 , 211-243		1
529	Ampicillin biotransformation by a nitrifying consortium. 2020 , 36, 21		8
528	Removal of ciprofloxacin as an emerging pollutant: A novel application for bauxite residue reuse. 2020 , 253, 120049		10
527	Florfenicol restructured the microbial interaction network for wastewater treatment by microbial electrolysis cells. 2020 , 183, 109145		11
526	Sulfamethoxazole/Trimethoprim ratio as a new marker in raw wastewaters: A critical review. 2020 , 715, 136916		35
525	Multi-region assessment of pharmaceutical exposures and predicted effects in USA wadeable urban-gradient streams. 2020 , 15, e0228214		17
524	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. 2020 , 140, 105733		124
523	Synthesis of Porous Biochar Containing Graphitic Carbon Derived From Lignin Content of Forestry Biomass and Its Application for the Removal of Diclofenac Sodium From Aqueous Solution. 2020 , 8, 274		4
522	Specific adsorption sites and conditions derived by thermal decomposition of activated carbons and adsorbed carbamazepine. 2020 , 10, 6695		5
521	Antibiotics and Antimicrobial Resistance Genes. 2020 ,		3

520	A review of emerging organic contaminants (EOCs), antibiotic resistant bacteria (ARB), and antibiotic resistance genes (ARGs) in the environment: Increasing removal with wetlands and reducing environmental impacts. 2020 , 307, 123228	102
519	The role of stereochemistry of antibiotic agents in the development of antibiotic resistance in the environment. 2020 , 139, 105681	8
518	Future perspectives of wastewater-based epidemiology: Monitoring infectious disease spread and resistance to the community level. 2020 , 139, 105689	201
517	Deciphering the toxic effects of antibiotics on denitrification: Process performance, microbial community and antibiotic resistance genes. 2020 , 262, 110375	32
516	Efficiency of Five Selected Aquatic Plants in Phytoremediation of Aquaculture Wastewater. 2020 , 10, 2712	34
515	Improvement of Ultrasound-Assisted Removal of Rifampin in the Presence of N: ZnO/GO Nanocomposite as Sonocatalyst. 2020 , 5, 4413-4421	0
514	Resistance of anammox granular sludge to copper nanoparticles and oxytetracycline and restoration of performance. 2020 , 307, 123264	19
513	Improving the biodegradability of hospital urines polluted with chloramphenicol by the application of electrochemical oxidation. 2020 , 725, 138430	25
512	Pharmaceuticals' removal by constructed wetlands: a critical evaluation and meta-analysis on performance, risk reduction, and role of physicochemical properties on removal mechanisms. 2020 , 18, 253-291	23
511	Pharmaceuticals, Personal Care Products, and Artificial Sweeteners in Asian Groundwater: A Review. 2021 , 3-36	1
510	Post Covid-19 water and waste water management to protect public health and geoenvironment. 2021 , 8, 193-207	19
509	An electrochemical membrane biofilm reactor for removing sulfonamides from wastewater and suppressing antibiotic resistance development: Performance and mechanisms. 2021 , 404, 124198	12
508	Removal of fluoroquinolone antibiotics using actinia-shaped lignin-based adsorbents: Role of the length and distribution of branched-chains. 2021 , 403, 123603	9
507	Analysis and removal of pharmaceutical residues from wastewater using membrane bioreactors: a review. 2021 , 19, 329-343	15
506	Hydrometeorological Influence on Antibiotic-Resistance Genes (ARGs) and Bacterial Community at a Recreational Beach in Korea. 2021 , 403, 123599	6
505	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. 2021 , 319, 124160	26
504	Efficient moxifloxacin degradation by CoFe ₂ O ₄ magnetic nanoparticles activated peroxymonosulfate: Kinetics, pathways and mechanisms. 2021 , 407, 127201	32
503	Predictive models for the degradation of 4 pharmaceutically active compounds in municipal wastewater effluents by the UV/HO process. 2021 , 263, 127944	5

502	PEI-capped KMgF:Eu nanoparticles for fluorescence detection of nitroaromatics in municipal wastewater. 2021 , 197, 111379	2
501	Interactions of microplastics and antibiotic resistance genes and their effects on the aquaculture environments. 2021 , 403, 123961	67
500	Application of a heavy metal-resistant <i>Achromobacter</i> sp. for the simultaneous immobilization of cadmium and degradation of sulfamethoxazole from wastewater. 2021 , 402, 124032	9
499	An assessment of <i>Pleurotus ostreatus</i> to remove sulfonamides, and its role as a biofilter based on its own spent mushroom substrate. 2021 , 28, 7032-7042	8
498	Enhanced removal of cephalexin and sulfadiazine in nitrifying membrane-aerated biofilm reactors. 2021 , 263, 128224	14
497	Recent progress on metal-organic framework-derived porous carbon and its composite for pollutant adsorption from liquid phase. 2021 , 405, 126960	41
496	Antibiotics in a wastewater matrix at environmentally relevant concentrations affect coexisting resistant/sensitive bacterial cultures with profound impact on advanced oxidation treatment. 2021 , 754, 142181	9
495	Growth responses and rubisco activity influenced by antibiotics and organic amendments used for stress alleviation in <i>Lactuca sativa</i> . 2021 , 264, 128433	7
494	Optimizing microwave-assisted production of waste-based activated carbons for the removal of antibiotics from water. 2021 , 752, 141662	11
493	Impact assessment of a large panel of organic and inorganic micropollutants released by wastewater treatment plants at the scale of France. <i>Water Research</i> , 2021 , 188, 116524	12.5 17
492	Green and efficient degradation of cefoperazone sodium by BiOBr leading to the production of non-toxic products: Performance and degradation pathway. 2021 , 100, 203-215	7
491	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. 2021 , 755, 142624	10
490	Comparison of the new Cl/O/UV process with different ozone- and UV-based AOPs for wastewater treatment at pilot scale: Removal of pharmaceuticals and changes in fluorescing organic matter. 2021 , 765, 142720	20
489	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. 2021 , 755, 142554	25
488	Effect of minocycline on the changes in the sewage chemical index and microbial communities in sewage pipes. 2021 , 402, 123792	5
487	Selective stress of antibiotics on microbial denitrification: Inhibitory effects, dynamics of microbial community structure and function. 2021 , 405, 124366	53
486	Reduced graphene oxide/BiOBr nanocomposite with synergetic effects on improving adsorption and photocatalytic activity for the degradation of antibiotics. 2021 , 265, 129013	13
485	Preparation of affinity membranes using polymer phase separation and azido-containing surfactants. 2021 , 611, 125802	1

484	New insights into interaction of proteins in extracellular polymeric substances of activated sludge with ciprofloxacin using quartz crystal microbalance with dissipation. 2021 , 263, 128044	5
483	A multivariate modeling and experimental realization of photocatalytic system of engineered S-CN/ZnO hybrid for ciprofloxacin removal: Influencing factors and degradation pathways. 2021 , 196, 110390	19
482	Effects of subinhibitory quinolone concentrations on functionality, microbial community composition, and abundance of antibiotic resistant bacteria and qnrS in activated sludge. 2021 , 9, 104783	3
481	Emerging organic contaminants and odorous compounds in secondary effluent wastewater: Identification and advanced treatment. 2021 , 408, 124817	16
480	A regional-scale assessment of micro-organic contaminants in shallow groundwater in the Pearl River Delta, China. 2021 , 22, 288-301	
479	Antibiotic resistance in wastewater treatment plants: understanding the problem and future perspectives. 2021 , 203, 1009-1020	4
478	Comparison of AOPs at pilot scale: Energy costs for micro-pollutants oxidation, disinfection by-products formation and pathogens inactivation. 2021 , 273, 128527	19
477	Unburned material from biomass combustion as low-cost adsorbent for amoxicillin removal from wastewater. 2021 , 284, 124732	12
476	Sorption mechanisms of antibiotic sulfamethazine (SMT) on magnetite-coated biochar: pH-dependence and redox transformation. 2021 , 268, 128805	8
475	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. 2021 , 263, 128049	9
474	Mineralization of the antibiotic levofloxacin by the electro-peroxone process using a filter-press flow cell with a 3D air-diffusion electrode. 2021 , 254, 117661	12
473	Existence of Antibiotics in Wastewater as a Pollution Indicator. 2021 , 41-69	0
472	Antibiotic Resistance of Bacteria in Two Marine Mammal Species, Harbor Seals and Harbor Porpoises, Living in an Urban Marine Ecosystem, the Salish Sea, Washington State, USA. 2021 , 2, 86-104	1
471	Activation of inorganic peroxides with magnetic graphene for the removal of antibiotics from wastewater. 2021 , 8, 960-977	14
470	Prospective of functionalized nanomaterials in environmental science: A nanotechnological approach. 2021 , 13-60	
469	Fate and persistence of antibiotic-resistant bacteria and genes through a multi-barrier treatment facility for direct potable reuse. 2021 , 11, 373-390	1
468	Preparation of Zn-MOFs by microwave-assisted ball milling for removal of tetracycline hydrochloride and Congo red from wastewater. 2021 , 10, 125-133	10
467	Simultaneous removal of emerging contaminants and disinfection for municipal wastewater treatment plant effluent quality improvement: a systemic analysis of the literature. 2021 , 28, 24092-24111	5

466	Efficient detection of Fe(III) and chromate ions in water using two robust lanthanide metal-organic frameworks. 2021 , 23, 1677-1683	10
465	Graphene oxide-based nanocomposites for adsorptive removal of water pollutants. 2021 , 431-448	1
464	Polymer nanocomposites based on alginate and their blends for remediation of pollutants from wastewater. 2021 , 307-332	
463	Quinolone resistance (qnrA) gene in isolates of Escherichia coli collected from the Al-Hillah River in Babylon Province, Iraq. 2021 , 68, 1-7	0
462	Seabirds as anthropization indicators in two different tropical biotopes: A One Health approach to the issue of antimicrobial resistance genes pollution in oceanic islands. 2021 , 754, 142141	7
461	Visible-light harvesting innovative W/Yb/TiO materials as a green methodology photocatalyst for the photodegradation of pharmaceutical pollutants. 2021 , 20, 401-420	2
460	Distribution and Antibiotic Resistance Profiles of in Rural Areas of North Carolina After Hurricane Florence in 2018. 2021 , 5, e2020GH000294	2
459	Green synthesis of sulfur-doped g-C ₃ N ₄ nanosheets for enhanced removal of oxytetracycline under visible-light irradiation and reduction of its N-nitrosodimethylamine formation potential. 2021 , 96, 1580-1592	3
458	Trace amounts of antibiotic exacerbated diarrhea and systemic inflammation of weaned pigs infected with a pathogenic Escherichia coli. 2021 , 99,	2
457	The Role of Aquatic Ecosystems (River Tua, Portugal) as Reservoirs of Multidrug-Resistant Aeromonas spp.. 2021 , 13, 698	1
456	Occurrence and seasonality of pharmaceutical compounds in urban wastewaters in two Portuguese regions. 2021 , 18, 465-478	4
455	Pharmaceuticals Market, Consumption Trends and Disease Incidence Are Not Driving the Pharmaceutical Research on Water and Wastewater. 2021 , 18,	22
454	Review on the Visible Light Photocatalysis for the Decomposition of Ciprofloxacin, Norfloxacin, Tetracyclines, and Sulfonamides Antibiotics in Wastewater. 2021 , 11, 437	13
453	Construction of TiO-Eggshell for Efficient Degradation of Tetracycline Hydrochloride: Sunlight Induced In-Situ Formation of Carbonate Radical. 2021 , 14,	2
452	Removal of pharmaceuticals from human urine during storage, aerobic biological treatment, and activated carbon adsorption to produce a safe fertilizer. 2021 , 166, 105341	9
451	Biosensors for wastewater-based epidemiology for monitoring public health. <i>Water Research</i> , 2021 , 191, 116787	12,5 20
450	Effects of three antibiotics on growth and antioxidant response of Chlorella pyrenoidosa and Anabaena cylindrica. 2021 , 211, 111954	16
449	Acute inhibitory impact of sulfamethoxazole on mixed microbial culture: Kinetic analysis of substrate utilization biopolymer storage nitrification and endogenous respiration. 2021 , 167, 107911	1

448	Effects of norfloxacin on decomposition and nutrient release in leaves of the submerged macrophyte <i>Vallisneria natans</i> (Lour.) Hara. 2021 , 274, 116557	2
447	Effect of Aerobic Granular Sludge Concentrations on Adsorption and Biodegradation to Oxytetracycline. 2021 , 232, 1	1
446	Study of the rejection of contaminants of emerging concern by a biomimetic aquaporin hollow fiber forward osmosis membrane. 2021 , 40, 101914	8
445	Antibiotics in wastewater: From its occurrence to the biological removal by environmentally conscious technologies. 2021 , 275, 116603	37
444	Ecotoxicity and Antimicrobial Inhibition Assessment of Effluent from an Anaerobic Bioreactor Applied to the Removal of Sulfamethoxazole and Ciprofloxacin Antibiotics from Domestic Sewage. 2021 , 232, 1	4
443	Photocatalytic degradation of tetracyclines in liquid digestate: Optimization, kinetics and correlation studies. 2021 , 410, 128327	15
442	A Proposed Theoretical Approach for the Estimation of Seismic Structural Vulnerability of Wastewater Treatment Plants. 2021 , 13, 4835	0
441	Stereoselective Bacterial Metabolism of Antibiotics in Environmental Bacteria - A Novel Biochemical Workflow. 2021 , 12, 562157	0
440	Mesoporous Carbon: A Versatile Material for Scientific Applications. 2021 , 22,	11
439	Urban wastewater as a conduit for pathogenic Gram-positive bacteria and genes encoding resistance to β -lactams and glycopeptides. 2021 , 765, 144176	5
438	Removal of clarithromycin from aqueous solution using water/triton X-100/ ethanol/ olive oil green nanoemulsion method. 2021 , 40, 101973	7
437	Metagenomic insights into dissemination of antibiotic resistance across bacterial genera in wastewater treatment. 2021 , 271, 129563	12
436	Pharmaceuticals and Personal Care Products in the Marine Environment Around False Bay, Cape Town, South Africa: Occurrence and Risk-Assessment Study. 2021 ,	7
435	Effects of Antibiotics on Impacted Aquatic Environment Microorganisms.	
434	Microplastics affect the ammonia oxidation performance of aerobic granular sludge and enrich the intracellular and extracellular antibiotic resistance genes. 2021 , 409, 124981	14
433	Degradation of pyrazinamide in aqueous solution by electron beam irradiation: kinetics, influence factors and mechanism study. 2021 , 329, 159-169	
432	Retention of the Antibiotic Cefuroxime onto Agricultural and Forest Soils. 2021 , 11, 4663	3
431	Antibiotic residues in the aquatic environment - current perspective and risk considerations. 2021 , 56, 733-751	5

430	Bactericidal Activity of <i>Larrea tridentata</i> Hydroalcoholic Extract against Phytopathogenic Bacteria. 2021 , 11, 957	5
429	Development of emission factors to estimate discharge of typical pharmaceuticals and personal care products from wastewater treatment plants. 2021 , 769, 144556	9
428	Oxytetracycline Adsorption from Aqueous Solutions on Commercial and High-Temperature Modified Activated Carbons. 2021 , 14, 3481	1
427	Enhanced adsorption removal of methyl orange from water by porous bimetallic Ni/Co MOF composite: a systematic study of adsorption kinetics. 1-16	8
426	Behavior of antibiotic resistance genes in a wastewater treatment plant with different upgrading processes. 2021 , 771, 144814	8
425	Recent trends in advanced oxidation process-based degradation of erythromycin: Pollution status, eco-toxicity and degradation mechanism in aquatic ecosystems. 2021 , 772, 145389	11
424	Hydrothermal synthesis of MnO ₂ /Fe(0) composites from Li-ion battery cathodes for destructing sulfadiazine by photo-Fenton process. 2021 , 774, 145776	10
423	Insight into the effects of hydroxyl groups on the rates and pathways of tetracycline antibiotics degradation in the carbon black activated peroxydisulfate oxidation process. 2021 , 412, 125256	19
422	Coupling experiments with calculations to understand the thermodynamics evolution for the sorption of zwitterionic ciprofloxacin on oxidizing-aged pyrogenic chars in the aquatic system. 2021 , 411, 125101	2
421	Pharmaceuticals and personal care products and their sublethal and lethal effects in aquatic organisms. 2021 , 29, 142-181	9
420	Treatment of healthcare wastewater using the peroxi-photoelectrocoagulation process: Predictive models for COD, color removal and electrical energy consumption. 2021 , 41, 102068	1
419	Emerging contaminants detected in aquaculture sites in Java, Indonesia. 2021 , 773, 145057	9
418	Degradation of a fluorescent tracer-PTSA in circulating cooling water: Kinetics, pathways, and degradation efficiency of a polycyclic aromatic hydrocarbon derivative. 2021 , 41, 102036	1
417	Multi-region assessment of chemical mixture exposures and predicted cumulative effects in USA wadeable urban/agriculture-gradient streams. 2021 , 773, 145062	4
416	Silver particle on BiVO ₄ nanosheet plasmonic photocatalyst with enhanced photocatalytic oxidation activity of sulfadiazine. 2021 , 331, 115751	3
415	The behavior of antibiotic-resistance genes and their relationships with the bacterial community and heavy metals during sewage sludge composting. 2021 , 216, 112190	15
414	The use of non-target high-resolution mass spectrometry screening to detect the presence of antibiotic residues in urban streams of Greensboro North Carolina. 2021 , 19, 1313-1321	1
413	Tetracycline-induced decoupling of symbiosis in microalgal-bacterial granular sludge. 2021 , 197, 111095	12

412	Colorimetric Sensing of Amoxicillin Facilitated by Molecularly Imprinted Polymers. 2021 , 13,	4
411	The Effect of Clarithromycin Toxicity on the Growth of Bacterial Communities in Agricultural Soils. 2021 , 9, 1303	1
410	The inhibitory effect of in situ extracellular polymeric substances on trimethoprim adsorption by activated sludge. 2021 , 274, 129798	3
409	A review of treatment techniques applied for selective removal of emerging pollutant-trimethoprim from aqueous systems. 2021 , 308, 127359	13
408	Anaerobic biodegradation of levofloxacin by enriched microbial consortia: Effect of electron acceptors and carbon source. 2021 , 414, 125520	9
407	Pathogenic and Indigenous Denitrifying Bacteria are Transcriptionally Active and Key Multi-Antibiotic-Resistant Players in Wastewater Treatment Plants. 2021 , 55, 10862-10874	8
406	Co-transport and retention of zwitterionic ciprofloxacin with nano-biochar in saturated porous media: Impact of oxidized aging. 2021 , 779, 146417	3
405	Effect of preferential UV photolysis on the source control of antibiotic resistome during subsequent biological treatment systems. 2021 , 414, 125484	5
404	Screening and Seasonal Behavior of Analgesics, Non-steroidal Anti-inflammatory Drugs, and Antibiotics in Two Urban Wastewater Treatment Plants. 2021 , 68, 411-425	1
403	Occurrence, effects and behaviour of the antibiotic lincomycin in the agricultural and aquatic environment - A review. 2021 , 778, 146306	7
402	Antibiotic resistance dissemination in wastewater treatment plants: a challenge for the reuse of treated wastewater in agriculture. 1	4
401	Trace level nitrite sensitized photolysis of the antimicrobial agents parachlormetaxyleneol and chlorophene in water. <i>Water Research</i> , 2021 , 200, 117275	12.5 8
400	Predominance of genetically diverse ESBL Escherichia coli identified in resistance mapping of Vembanad Lake, the largest fresh-cum-brackishwater lake of India. 2021 , 28, 66206-66222	4
399	Advanced oxidation processes perspective regarding swine wastewater treatment. 2021 , 776, 145958	16
398	Extraction of antibiotics using aqueous two-phase systems based on ethyl lactate and thiosulphate salts. 2021 , 539, 113022	3
397	Sulfamethoxazole-Altered Transcriptome in Green Alga Suggests Inhibition of Translation and DNA Damage Repair. 2021 , 12, 541451	4
396	Sunlight-Driven Photocatalytic Degradation of Ciprofloxacin by Carbon Dots Embedded in ZnO Nanostructures. 2021 , 4, 7686-7697	19
395	The generation of lattice oxygen defects enhanced by TiO_2 particles: Layered microsphere-like Bi_2WO_6 as a template leads to $\text{Bi}_x\text{O}_y\text{@Bi}_2\text{WO}_6$ for the efficient removal of oxytetracycline. 2021 , 416, 129197	4

394	Antibiotic Resistance in Wastewater and Its Impact on a Receiving River: A Case Study of WWTP Brno-Modřice, Czech Republic. 2021 , 13, 2309	0
393	Opportunities regarding the use of technologies of energy recovery from sewage sludge. 2021 , 3, 1	2
392	Effective removal of tetracycline antibiotics from wastewater using practically applicable iron(III)-loaded cellulose nanofibres. 2021 , 8, 210336	4
391	Polyethyleneimine-grafted polyphosphazene microspheres for rapid and efficient capture of anionic dyes from wastewater. 2021 , 21, 100525	2
390	Diversity of Multidrug-Resistant Bacteria in an Urbanized River: A Case Study of the Potential Risks from Combined Sewage Overflows. 2021 , 13, 2122	2
389	Trace Detection and Quantitation of Antibiotics in a South African Stream Receiving Wastewater Effluents and Municipal Dumpsite Leachates. 2021 , 9,	2
388	Inactivation, removal, and regrowth potential of opportunistic pathogens and antimicrobial resistance genes in recycled water systems. <i>Water Research</i> , 2021 , 201, 117324	12.5 5
387	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. 2021 , 417, 129237	40
386	Carbapenem-resistant bacteria over a wastewater treatment process: Carbapenem-resistant Enterobacteriaceae in untreated wastewater and intrinsically-resistant bacteria in final effluent. 2021 , 782, 146892	4
385	A review on pharmaceuticals removal from waters by single and combined biological, membrane filtration and ultrasound systems. 2021 , 76, 105656	18
384	Removal behaviors of antibiotics in a hybrid microfiltration-forward osmotic membrane bioreactor for real municipal wastewater treatment. 2021 , 417, 129146	9
383	Chemical Fate and Partitioning Behavior of Antibiotics in the Aquatic Environment-A Review. 2021 , 40, 3275-3298	11
382	Evaluation of removal of illicit drugs, pharmaceuticals and caffeine in a wastewater reclamation plant and related health risk for non-potable applications. 2021 , 152, 391-403	3
381	The difference in the adsorption mechanisms of magnetic ferrites modified carbon nanotubes. 2021 , 415, 125551	8
380	Adsorptive Removal of Ibuprofen from Waste Stream Using Sawdust-Based Adsorbents. 55, 172-189	
379	Dosing the Coast: Leaking Sewage Infrastructure Delivers Large Annual Doses and Dynamic Mixtures of Pharmaceuticals to Urban Rivers. 2021 , 55, 11637-11645	2
378	Photocatalytic degradation of a mixture of eight antibiotics using Cu-modified TiO ₂ photocatalysts: Kinetics, mineralization, antimicrobial activity elimination and disinfection. 2021 , 9, 105295	10
377	Prevalence of multidrug-resistant and extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> in urban community wastewater. 2021 , 785, 147269	6

376	Fast UHPLC-MS/MS for the Simultaneous Determination of Azithromycin, Erythromycin, Fluoxetine and Sotalol in Surface Water Samples. 2021 , 11, 8316	0
375	Underrepresented high diversity of class 1 integrons in the environment uncovered by PacBio sequencing using a new primer. 2021 , 787, 147611	5
374	Environmental and Pathogenic Carbapenem Resistant Bacteria Isolated from a Wastewater Treatment Plant Harbour Distinct Antibiotic Resistance Mechanisms. 2021 , 10,	4
373	Identification and characterization of vancomycin-resistant Staphylococcus aureus in hospital wastewaters: evidence of horizontal spread of antimicrobial resistance. 2021 , 19, 785-795	0
372	Abundance, fate, and effects of pharmaceuticals and personal care products in aquatic environments. 2022 , 424, 127284	22
371	The combined toxicity of binary mixtures of antibiotics against the cyanobacterium Microcystis is dose-dependent: insight from a theoretical nonlinear combined toxicity assessment method. 2021 , 1	0
370	Single-route delaminated clay composites for efficient visible-light photo-mineralization of antibiotic-resistant bacteria and associated genes in water. 2021 , 292, 120143	3
369	Accumulation of sulfamethazine and ciprofloxacin on grain surface decreases the transport of biochar colloids in saturated porous media. 2021 , 417, 125908	0
368	Antibiotic transformation in an anaerobic membrane bioreactor linked to membrane biofilm microbial activity. 2021 , 200, 111456	3
367	Antibiotic residues in wastewaters from sewage treatment plants and pharmaceutical industries: Occurrence, removal and environmental impacts. 2021 , 788, 147811	27
366	Direct oxidation of peroxymonosulfate under natural solar radiation: Accelerating the simultaneous removal of organic contaminants and pathogens from water. 2021 , 279, 130555	6
365	Spatiotemporal profiling of antibiotics and resistance genes in a river catchment: Human population as the main driver of antibiotic and antibiotic resistance gene presence in the environment. <i>Water Research</i> , 2021 , 203, 117533	12.5 8
364	A review on non-thermal plasma treatment of water contaminated with antibiotics. 2021 , 417, 125481	21
363	High interfacial charge carrier separation in Fe ₃ O ₄ modified SrTiO ₃ /Bi ₄ O ₅ I ₂ robust magnetic nano-heterojunction for rapid photodegradation of diclofenac under simulated solar-light. 2021 , 315, 128137	10
362	Effective removal of pharmaceutical impurities and nutrients using biocatalyst from the municipal wastewater with moving bed packed reactor. 2021 , 200, 111777	8
361	MOF-derived magnetically recoverable Z-scheme ZnFe ₂ O ₄ /Fe ₂ O ₃ perforated nanotube for efficient photocatalytic ciprofloxacin removal. 2021 , 430, 132728	4
360	Degradation of antibiotic Cephalosporin C in different water matrices by ionizing radiation: Degradation kinetics, pathways, and toxicity. 2021 , 791, 148253	3
359	Granular silica pillared clay for levofloxacin and gemifloxacin adsorption from aqueous systems. 2021 , 9, 106306	6

358	Microalgae-based technology for antibiotics removal: From mechanisms to application of innovational hybrid systems. 2021 , 155, 106594	20
357	NMR spectroscopy of wastewater: A review, case study, and future potential. 2021 , 126-127, 121-180	2
356	Degradation of norfloxacin by calcite activating peroxymonosulfate: Performance and mechanism. 2021 , 282, 131091	7
355	Activation of dissolved molecular oxygen by ascorbic acid-mediated circulation of copper(II): Applications and limitations. 2021 , 275, 119186	1
354	A review on disinfection technologies for controlling the antibiotic resistance spread. 2021 , 797, 149150	9
353	Metagenomic profiles and health risks of pathogens and antibiotic resistance genes in various industrial wastewaters and the associated receiving surface water. 2021 , 283, 131224	5
352	Insights into a packed bubble column for removal of several ozone-persistent TrOCs by ozonation: removal kinetics, energy efficiency and elimination prediction. 2021 , 275, 119170	1
351	Acceleration of photo-reduction and oxidation capabilities of Bi ₄ O ₅ I ₂ /SPION@calcium alginate by metallic Ag: Wide spectral removal of nitrate and azithromycin. 2021 , 423, 130173	17
350	Oxidation of amines and their derivatives with persulfate without activation: Impact of mineral oxides and stoichiometric efficiency. 2021 , 426, 131930	
349	Adsorption and detoxification of pharmaceutical compounds from wastewater using nanomaterials: A review on mechanism, kinetics, valorization and circular economy. 2021 , 300, 113569	13
348	A systematic review on antibiotics misuse in livestock and aquaculture and regulation implications in China. 2021 , 798, 149205	25
347	Contribution of enrofloxacin and Cu to the antibiotic resistance of bacterial community in a river biofilm. 2021 , 291, 118156	1
346	Inhibition of anammox activity by municipal and industrial wastewater pollutants: A review. 2021 , 799, 149449	9
345	Non-covalent self-assembly synthesis of AQ2S@rGO nanocomposite for the degradation of sulfadiazine under solar irradiation: The indispensable effect of chloride. 2021 , 298, 120495	27
344	Layered Ti ₃ C ₂ MXene and silver co-modified g-C ₃ N ₄ with enhanced visible light-driven photocatalytic activity. 2021 , 425, 131493	14
343	Impact of biosolids amendment and wastewater effluent irrigation on enteric antibiotic-resistant bacteria - a greenhouse study. 2021 , 13, 100119	0
342	Sulfamethoxazole biodegradation and impacts on soil microbial communities in a Bolivian arid high altitude catchment. 2021 , 284, 131335	0
341	Sustainable ferrate oxidation: Reaction chemistry, mechanisms and removal of pollutants in wastewater. 2021 , 290, 117957	20

- 340 Integrated mathematical model to simulate the performance of a membrane bioreactor. **2021**, 284, 131319 4
- 339 Risks associated with the circular economy: Treated sewage reuse in agriculture. **2022**, 37-48
- 338 The air-borne antibiotic resistome: Occurrence, health risks, and future directions. **2022**, 804, 150154 11
- 337 Amorphous cobalt oxide decorated halloysite nanotubes for efficient sulfamethoxazole degradation activated by peroxymonosulfate. **2022**, 607, 857-868 4
- 336 Influence of chemical speciation on enrofloxacin degradation by UV irradiation: Kinetics, mechanism and disinfection by-products formation. **2022**, 286, 131559 1
- 335 Photocatalytic degradation of organic dye and tetracycline by ternary AgO/AgBr-CeO photocatalyst under visible-light irradiation. **2021**, 11, 85 15
- 334 Removal of tetracycline hydrochloride from wastewater by Zr/Fe-MOFs/GO composites.. **2021**, 11, 9977-9984 11
- 333 Pharmaceutical and Personal Care Products in the Aquatic Environment and Wastewater Treatment by Advanced Oxidation Processes. **2021**, 299-352
- 332 Emerging micropollutants in municipal wastewater: occurrence and treatment options. **2021**, 487-516
- 331 Cytostatic Drug Residues in Wastewater Treatment Plants: Sources, Removal Efficiencies and Current Challenges. **2020**, 103-138 2
- 330 Mechanism of Antibiotics Uptake in Plants. **2020**, 177-193 1
- 329 Antimicrobial Resistance Paradigm and One-Health Approach. **2020**, 1-32 1
- 328 Tools and Techniques for Purification of Water Using Nano Materials. **2019**, 285-322 1
- 327 Interfacial CoAl₂O₄ from ZIF-67@Al₂O₃ pellets toward catalytic activation of peroxymonosulfate for metronidazole removal. **2020**, 397, 125339 35
- 326 Electro-oxidation of Ofloxacin antibiotic by dimensionally stable Ti/RuO anode: Evaluation and mechanistic approach. **2018**, 193, 685-694 55
- 325 A review of advances in engineered composite materials popular for wastewater treatment. **2020**, 8, 104073 39
- 324 Simultaneous Elimination of Dyes and Antibiotic with a Hydrothermally Generated NiAlTi Layered Double Hydroxide Adsorbent. **2020**, 5, 2368-2377 18
- 323 Distribution of Pharmaceutical Residues in the Environment. **2015**, 34-69 4

322	Impacts of Pharmaceuticals on Terrestrial Wildlife. 2015 , 216-254	3
321	ARGs-OSP: online searching platform for antibiotic resistance genes distribution in metagenomic database and bacterial whole genome database.	3
320	Translating antibiotic prescribing into antimicrobial resistance in the environment: a hazard characterisation case study.	0
319	Assessment of veterinary drugs in plants using pharmacokinetic approaches: The absorption, distribution and elimination of tetracycline and sulfamethoxazole in ephemeral vegetables. 2017 , 12, e0183087	10
318	Pharmaceutical market, environmental public policies and water quality: the case of the S Paulo Metropolitan Region, Brazil. 2020 , 36, e00192319	3
317	Enzyme-Based Biodegradation of Hazardous Pollutants [An Overview. 2017 , 5, 402-411	37
316	Pharmaceutical Mixtures: Still A Concern for Human and Environmental Health. 2020 , 27, 121-153	3
315	Supramolecular Solvent Based Liquid-Liquid Microextraction for Preconcentration of Selected Fluoroquinolone Antibiotics in Environmental Water Sample Prior to High Performance Liquid Chromatographic Determination. 2019 , 15, 607-615	4
314	The role of antimicrobial therapy stewardship in intensive care service. 2018 , 20, 132-140	7
313	The Role of Wastewater Treatment Plants in the Environmental Dissemination of Antibiotic Resistant Bacteria (ARB) and Resistance Genes (ARG). 2019 , 11, 981-994	2
312	Adsorption of norfloxacin from aqueous solution on biochar derived from spent coffee ground: Master variables and response surface method optimized adsorption process. 2021 , 132577	6
311	Metagenomic Analysis Reveals the Fate of Antibiotic Resistance Genes in a Full-Scale Wastewater Treatment Plant in Egypt. 2021 , 13, 11131	0
310	Simultaneous Determination of Seven Antibiotics and Five of Their Metabolites in Municipal Wastewater and Evaluation of Their Stability under Laboratory Conditions. 2021 , 18,	4
309	A critical review on the antimicrobial resistance, antibiotic residue and metagenomics-assisted antimicrobial resistance gene detection in freshwater aquaculture environment.	1
308	Peroxymonosulfate activation on carbon nano-onions modified graphitic carbon nitride via light-tuning radical and nonradical pathways. 2021 , 9, 106592	0
307	Thirty contaminants of emerging concern identified in secondary treated hospital wastewater and their removal by solar Fenton (like) and sulphate radicals-based advanced oxidation processes. 2021 , 9, 106614	0
306	Comparisons of the characteristics of partial nitrification sludge exposed to CuO nanoparticles combined with different antibiotics. 2021 , 9, 106617	1
305	Occurrence, Effects, and Methods for Antibiotics and Illicit Drugs in the Environment. 2014 , 43-64	0

- 304 Characterization of cefotaxime-resistant *Escherichia coli* isolated from wastewater treatment plant in Daegu. **2014**, 37, 225-231
- 303 Encyclopedia of Membranes. **2015**, 1-2
- 302 Encyclopedia of Membranes. **2016**, 1724-1725 0
- 301 ANTİBİYOTİK VE ANTİBİYOTİKLERE DİRENİK BAKTERİLERİN FOTOKATALİZ PROSESİNİN GİDERİMİNİN DEĞERLENDİRİLMESİ. **2016**, 5, 1-18 1
- 300 Ampicillin Measurement Using Flow SPR Immunosensor and Comparison with Classical Amperometric Immunosensor. **2018**, 229-232
- 299 An Implementation of a Decision Support Tool to Assess Treatment of Emerging Contaminants in India. **2018**, 10, 422-440 2
- 298 Introduction to Water and Wastewater Treatment. **2019**, 1-29 2
- 297 OCCURRENCE OF THE CO-SELECTION PHENOMENON IN NON-CLINICAL ENVIRONMENTS. **2019**, 58, 433-445 2
- 296 Comparative analysis of intracellular and extracellular antibiotic resistance gene abundance in anaerobic membrane bioreactor effluent. 0
- 295 AN OVERVIEW ON USAGE OF NANOSCALE ZERO VALENT IRON FOR PHARMACEUTICALS ELIMINATION. 222-239 1
- 294 Role of Microorganisms in Degradation and Removal of Anticonvulsant Drugs: A Review. **2020**, 319-331
- 293 Fouling of Reverse Osmosis Membrane by Alginate and the Role of Calcium Ions in the Integrated Membrane System for Reclamation of Municipal Wastewater. **2020**, 43, 165-173
- 292 Aktif Karbon ile Sulu Çözeltilerden Amoksisilin Giderimi: Kinetik ve Denge Bilgileri. **2020**, 833-839 0
- 291 ARITILMI KENTSEL ATIKSULARIN SULAMADA KULLANIMINDA MİKROELEKTROKİMYASAL OLUTURABİLECEKLER. 760-769
- 290 Magnetic induced fabrication of core-shell structure Fe₃O₄@TiO₂ photocatalytic membrane: enhancing photocatalytic degradation of tetracycline and antifouling performance. **2021**, 106666 2
- 289 Active sites decoration on sewage sludge-red mud complex biochar for persulfate activation to degrade sulfanilamide. **2021**, 608, 1983-1998 2
- 288 QSPR Modeling of Adsorption of Pollutants by Carbon Nanotubes (CNTs). **2020**, 477-511
- 287 Pathogenic and Indigenous Denitrifying Bacteria are Transcriptionally Active and Key Multi-Antibiotic Resistant Players in Wastewater Treatment Plants.

286	Ti-Implanted Nanoscale Layers for the Chloramphenicol Photocatalytic Decomposition. 2021 , 103-115	0
285	Distribution, transfer, ecological and human health risks of antibiotics in bay ecosystems. 2021 , 158, 106949	2
284	Tapping wastewater resource: why and how?. 2022 , 125-146	1
283	Antibiotics and antibiotic resistance genes in anaerobic digesters and predicted concentrations in agroecosystems. 2022 , 301, 113891	3
282	Entry Routes of Antibiotics and Antimicrobial Resistance in the Environment. 2020 , 1-26	
281	Trend of Antibiotics and Resistance Genes in Water Resources and Wastewater Treatment Plants. 2020 , 339-354	
280	Multifunctional Zr-MOF Based on Bisimidazole Tetracarboxylic Acid for pH Sensing and Photoreduction of Cr(VI). 2021 , 13, 54217-54226	4
279	Changes of antibiotic resistance genes and bacterial communities in the advanced biological wastewater treatment system under low selective pressure of tetracycline. <i>Water Research</i> , 2021 , 207, 117834	12.5 10
278	Sorption of Antibiotics, Pharmaceuticals, and Personal Care Products in Water on Didodecyldimethylammonium Bromide-Montmorillonite Organoclay. 2020 , 53, 608-615	1
277	Study of the adsorption of an organic pollutant onto a microporous metal organic framework. 2021 , 83, 137-151	0
276	Drug delivery of paracetamol by metal-organic frameworks (HKUST-1): improvised synthesis and investigations. 2022 , 23, 100647	2
275	Remoção de fármacos do esgoto em reatores biológicos com biomassa fixa e suspensa: uma revisão. 2021 , 69, 48-67	
274	Residual β -lactam antibiotics and ecotoxicity to <i>Vibrio fischeri</i> , <i>Daphnia magna</i> of pharmaceutical wastewater in the treatment process.. 2021 , 425, 127840	3
273	Antibiotic resistance in wastewater, does the context matter? Poland and Portugal as a case study. 1-23	1
272	Distribution of pharmaceutical and personal care products (PPCPs) in aquatic environment in Hanoi and Metro Manila. 2021 , 193, 847	0
271	Comparison and prioritization of antibiotics in a reservoir and its inflow rivers of Beijing, China. 2021 , 1	1
270	Biological removal of sulfamethoxazole enhanced by <i>S. oneidensis</i> MR-1 via promoting NADH generation and electron transfer and consumption. 2021 , 426, 127839	0
269	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>). 2021 , 61, 102560	3

268	Modification of a Brazilian natural clay and catalytic activity in heterogeneous photo-Fenton process. 2021 , 291, 132966	
267	The influence of antibiotics on the anammox process - a review. 2021 , 29, 8074	2
266	Ozonation of Amoxicillin and Ciprofloxacin in Model Hospital Wastewater to Increase Biotreatability. 2021 , 10,	1
265	Understanding and Monitoring Chemical and Biological Soil Degradation. 2022 , 75-124	0
264	Cross-regional scale pollution of freshwater biofilms unveiled by antibiotic resistance genes. 2021 , 818, 151835	1
263	Multiple Drug-Resistant Escherichia coli Phylogroups from the Belmont Valley Integrated Algal Pond System. 2021 , 232, 1	0
262	Synthesis and application of CdS nanorods for LED-based photocatalytic degradation of tetracycline antibiotic. 2021 , 132870	2
261	Suspect screening of antimicrobial agents transformation products in environmental samples development of LC-QTrap method running in pseudo MRM transitions. 2021 , 808, 152114	2
260	Hybrid PVDF-P(L-DOPA)-ZnO membranes for dyes and antibiotics removal through simultaneous action of adsorption and photocatalysis processes. 2021 , 9, 106812	2
259	Degradation of selected pharmaceuticals detected in wastewater systems using an enzyme-mediator system and identification of resulting transformation products. 1-12	0
258	Direct and nitrite-sensitized indirect photolysis of effluent-derived phenolic contaminants under UV irradiation.. 2022 ,	2
257	Effect of Water Environmental Factors on the Distribution of Antibiotic Resistance Genes in Water in Beijing.	
256	Sources of Antibiotic Resistant Bacteria (ARB) and Antibiotic Resistance Genes (ARGs) in the Soil: A Review of the Spreading Mechanism and Human Health Risks. 2021 , 256, 121-153	1
255	Acute exposure effects of tetracycline, ampicillin, sulfamethoxazole, and their mixture on nutrient removal and microbial communities in the activated sludge of air-scouring and reciprocation membrane bioreactors.. 2021 , 304, 114165	0
254	Photocatalytic performance of 3D engineered chitosan hydrogels embedded with sulfur-doped CN/ZnO nanoparticles for Ciprofloxacin removal: Degradation and mechanistic pathways.. 2021 , 198, 87-100	3
253	Mechanism for biodegradation of sulfamethazine by Bacillus cereus H38. 2021 , 809, 152237	1
252	A novel biocomposite based on peanut husk with antibacterial properties for the efficient sequestration of trimethoprim in solution: Batch and column adsorption studies. 2022 , 635, 128051	1
251	Efficient decontamination of ciprofloxacin at neutral pH via visible light assisted Fenton-like process mediated by Fe(III)-GLDA complexation. 2021 , 133199	2

250	Aquatic photolysis of ketoprofen generates products with photosensitizing activity and toxicity.. <i>Water Research</i> , 2021 , 210, 117982	12.5	1
249	Easily biodegradable substrates are crucial for enhancing antibiotic risk reduction: Low-carbon discharging policies need to be more specified.. <i>Water Research</i> , 2021 , 210, 117972	12.5	1
248	Triboelectric nanogenerators for enhanced degradation of antibiotics via external electric field. 2022 , 93, 106842		9
247	Highly stable UiO-66-NH ₂ by the microwave-assisted synthesis for solar photocatalytic water treatment. 2022 , 10, 107122		0
246	Application of Microbial Fuel Cells for the Treatment of Emerging Contaminants from Wastewater: An Overview. 2022 , 509-526		0
245	Kinetics, isothermal and mechanistic insight into the adsorption of eosin yellow and malachite green from water via tri-metallic layered double hydroxide nanosheets. 2022 , 39, 216-226		7
244	Understanding the mechanism of interfacial interaction enhancing photodegradation rate of pollutants at molecular level: Intermolecular H ₂ O interactions favor electrons delivery.. 2022 , 430, 128386		4
243	Single-drop microextraction technique for the determination of antibiotics in environmental water.. 2021 ,		1
242	Inhalable antibiotic resistomes emitted from hospitals: metagenomic insights into bacterial hosts, clinical relevance, and environmental risks.. 2022 , 10, 19		2
241	Enhanced photodegradation of antibiotics based on anoxygenic photosynthetic bacteria and bacterial metabolites: A sustainably green strategy for the removal of high-risk organics from secondary effluent.. 2022 , 430, 128350		0
240	Key Points of Advanced Oxidation Processes (AOPs) for Wastewater, Organic Pollutants and Pharmaceutical Waste Treatment: A Mini Review. 2022 , 6, 8		7
239	Use of magnetic hybrid nanomaterials in environmental applications. 2022 , 187-211		
238	Effect of tetracycline on nitrogen removal in Moving Bed Biofilm Reactor (MBBR) System.. 2022 , 17, e0261306		2
237	Adaptability of enhanced bioretention cell for nitrogen and phosphorus removal under two antibiotics stress.. 2022 , 230, 113114		2
236	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge.. 2022 , 10, 20		2
235	Application Progress of O ₃ /UV Advanced Oxidation Technology in the Treatment of Organic Pollutants in Water. 2022 , 14, 1556		2
234	Characterization of carbapenem resistance in environmental samples and <i>Acinetobacter</i> spp. isolates from wastewater and river water in Poland.. 2022 , 153437		1
233	Sunlight mediated photo-Fenton degradation of tetracycline antibiotic and methylene blue dye in aqueous medium using FeWO ₄ /Bi ₂ MoO ₆ nanocomposite. 2022 , 159, 862-873		5

232	Sunlight mediated enhanced photocatalytic degradation of antibiotics in aqueous medium using silicon doped carbon quantum dots decorated Bi ₂ MoO ₆ nanoflakes. 2022 , 639, 128368	4
231	Hierarchically Z-scheme photocatalyst of {0 1 0}BiVO ₄ /Ag/CdS with enhanced performance in synergistic adsorption-photodegradation of fluoroquinolones in water. 2022 , 435, 134834	4
230	Modulating the oxidative active species by regulating the valence of palladium cocatalyst in photocatalytic degradation of ciprofloxacin. 2022 , 306, 121092	4
229	Antiretrovirals (ARVs) in the environment. 2022 , 227-239	
228	Facile Synthesis of MOFs-Templated Carbon Aerogels with Enhanced Tetracycline Adsorption Performance. 2022 , 14, 504	0
227	High-Throughput Screening of Antimicrobial Resistance Genes and Their Association With Class 1 Integrons in Urban Rivers in Japan. 2022 , 10,	1
226	Groundwater antibiotics and microplastics in a drinking-water source area, northern China: Occurrence, spatial distribution, risk assessment, and correlation.. 2022 , 210, 112855	6
225	Assessment of Pharmaceuticals in Water Systems: Sustainable Phytoremediation Strategies. 2021 , 273-324	
224	A review on the ecotoxicological effect of sulphonamides on aquatic organisms.. 2022 , 9, 534-540	2
223	Synergetic Effect of Green Synthesized Rgo/Nzvi Composite on the Removal of Doxycycline Antibiotic from Water.	
222	Synthesis of Ag/BiOBr/CeO composites with enhanced photocatalytic degradation for sulfisoxazole.. 2022 , 1	0
221	Spatial Hazards of Antibiotic Resistance in Wastewater-Impacted Streams during Low Instream Flow Conditions. 2022 , 2, 457-464	0
220	Effect of Wastewater Treatment on Bacterial Community, Antibiotic-Resistant Bacteria and Endoparasites.. 2022 , 19,	
219	Occurrence of antibiotics in wastewater from hospital and convectional wastewater treatment plants and their impact on the effluent receiving rivers: current knowledge between 2010 and 2019.. 2022 , 194, 306	1
218	Polydopamine-Modified Cellulose Nanofibril Composite Aerogel: An Effective Dye Adsorbent.. 2022 ,	2
217	Occurrence and toxicological assessment of selected active pharmaceutical ingredients in effluents of pharmaceutical manufacturing plants and wastewater treatment plants in Kampala, Uganda.	
216	Photocatalytic degradation of tetracycline in aqueous medium using ZnWO ₄ /Bi ₂ MoO ₆ nanocomposites under natural sunlight. 1	0
215	Single and mixture toxicity of selected pharmaceuticals to the aquatic macrophyte Lemna minor.. 2022 , 1	0

214	Detection and remediation of chiral pharmaceuticals from wastewater: A review.. 2022 ,	0
213	Isolation of <i>Jannaschia sedimens</i> sp. nov. from East Coast of China: Bacterial Taxonomy and Antimicrobial Resistance Analysis. 2022 , 12, 2883	
212	Occurrence of <i>E. coli</i> and antibiotic-resistant <i>E. coli</i> in the southern watershed of Lake Biwa, including in wastewater treatment plant effluent and inflow rivers.. 2022 , 134372	1
211	UV/TiO ₂ Photocatalysis as an Efficient Livestock Wastewater Quaternary Treatment for Antibiotics Removal. 2022 , 14, 958	2
210	Enhanced removal of sulfamethoxazole antibiotics from aquatic samples by electromembrane extraction process. 2022 , 173, 105211	0
209	A Review of Stand-Alone and Hybrid Microbial Electrochemical Systems for Antibiotics Removal from Wastewater. 2022 , 10, 714	1
208	Microplastics in fresh- and wastewater are potential contributors to antibiotic resistance- A minireview. 2022 , 100071	0
207	Fabrication of plate-on-plate SnS ₂ /Bi ₂ WO ₆ nanocomposite as photocatalyst for sunlight mediated degradation of antibiotics in aqueous medium. 2022 , 164, 110639	5
206	Population-based variations of a core resistome revealed by urban sewage metagenome surveillance.. 2022 , 163, 107185	0
205	Adsorptive removal of sulfonamides, tetracyclines and quinolones from wastewater and water using carbon-based materials: Recent developments and future directions. 2022 , 349, 131421	1
204	Fabrication of FeOCl nanoparticles modified microchannel carbon cathode for flow-through electro-Fenton degradation of refractory organic pollutants. 2022 , 288, 120661	1
203	Recent progress in Fenton/Fenton-like reactions for the removal of antibiotics in aqueous environments.. 2022 , 236, 113464	4
202	Synthesis of Bi ₂ WO ₆ /g-C ₃ N ₄ heterojunction on activated carbon fiber membrane as a thin-film photocatalyst for treating antibiotic wastewater. 2022 , 140, 109418	2
201	Oxidation of aqueous bisphenols A and S by pulsed corona discharge: Impacts of process control parameters and oxidation products identification. 2022 , 438, 135602	0
200	Biogeochemical impacts of sewage effluents in predominantly rural river catchments: Are point source inputs distinct to background diffuse pollution?. 2022 , 311, 114891	0
199	Bimetallic modified halloysite particle electrode enhanced electrocatalytic oxidation for the degradation of sulfanilamide.. 2022 , 312, 114975	0
198	Trace antibiotics increase the risk of antibiotic resistance genes transmission by regulating the biofilm extracellular polymeric substances and microbial community in the sewer.. 2022 , 432, 128634	2
197	Hydrolyzation characteristics of waste activated sludge and antibiotics release when improved with alkyl polyglycoside. 2022 , 10, 107552	

196	Evaluation of parental and transgenerational effects of clotrimazole in <i>Daphnia magna</i> - A multi-parametric approach.. 2022 , 154677	
195	Propranolol degradation through processes based on the generation of hydroxyl free radical.. 2022 , 20, 216-226	
194	Heterogeneous Photocatalysis of Metronidazole in Aquatic Samples.. 2021 , 26,	0
193	Legacy and Emerging Pollutants in an Urban River Stretch and Effects on the Bacterioplankton Community. 2021 , 13, 3402	2
192	Process evaluation of urban river replenished with reclaimed water from a wastewater treatment plant based on the risk of algal bloom and comprehensive acute toxicity. 2022 , 12, 1-10	3
191	Hydroxyapatite for environmental remediation of water/wastewater. 2022 , 167-191	0
190	Assessment of Antibiotic and Antimycotic Residual Risk in Sewage Treatment Plants Using Machine Learning.	
189	Microcontaminants in wastewater. 2022 , 315-329	0
188	Research on Wastewater Treatment Monitoring Algorithms Based on Deep Convolutional Neural Networks. 2022 , 2022, 1-11	
187	The effect of ultrafiltration process on the fate of antibiotic-related microcontaminants, pathogenic microbes, and toxicity in urban wastewater. 2022 , 128943	1
186	A systematic review on photo-Fenton process as an efficient advanced oxidation for degradation of amoxicillin in aqueous environments.. 2022 ,	0
185	Electro-Peroxone and Photoelectro-Peroxone Hybrid Approaches: An Emerging Paradigm for Wastewater Treatment.	
184	Global Supply Chain Drivers of Agricultural Antibiotic Emissions in China.. 2022 ,	1
183	Fate of antibiotic resistant genes in wastewater environments and treatment strategies - A review.. 2022 , 134671	3
182	Application of FeO nanoparticles in controlling antibiotic resistance gene transport and interception in porous media.. 2022 , 155271	0
181	Spatiotemporal urban water profiling for the assessment of environmental and public exposure to antimicrobials (antibiotics, antifungals, and antivirals) in the Eerste River Catchment, South Africa.. 2022 , 164, 107227	0
180	Data_Sheet_1.pdf. 2020 ,	
179	Table_1.DOCX. 2018 ,	

- 178 Data_Sheet_1.docx. **2020**,
- 177 Table_1.xlsx. **2020**,
- 176 Insight into the Mechanisms of Chloramphenicol Degradation by Photocatalysis Coupled Microbial Fuel Cell with Ni/Mxene Photocathode.
- 175 Chronic Effects of Benzalkonium Chlorides on Short Chain Fatty Acids and Methane Production in Semi-Continuous Anaerobic Digestion of Waste Activated Sludge.
- 174 The environmental resistome: Human exposure, health risks, and research needs. **2022**, 307-322 1
- 173 Ecological health risks of antibiotic resistance: A perspective on the evidence, challenges, and research needs. **2022**, 195-213
- 172 Occurrence and behaviour of emerging organic contaminants in aquatic systems. **2022**, 67-86
- 171 Applications of Heterogeneous Photocatalysis to the Degradation of Oxytetracycline in Water: A Review.. **2022**, 27, 2
- 170 Impact of different organic matters on the occurrence of antibiotic resistance genes in activated sludge. **2022**, 0
- 169 Nanodiamonds decorated yolk-shell ZnFe₂O₄ sphere as magnetically separable and recyclable composite for boosting antibiotic degradation performance. **2022**, 0
- 168 Enhanced removal of sulfamethoxazole by an anaerobic/aerobic SBR with an oxidation-reduction cycle of magnetite. **2022**, 102817 0
- 167 Nanofiltration as an Efficient Tertiary Wastewater Treatment: Elimination of Total Bacteria and Antibiotic Resistance Genes from the Discharged Effluent of a Full-Scale Wastewater Treatment Plant. **2022**, 11, 630 0
- 166 Molecular microbiological approaches reduce ambiguity about the sources of faecal pollution and identify microbial hazards within an urbanised coastal environment.. *Water Research*, **2022**, 218, 118534^{12,5}
- 165 Elevating the stability and adsorption performance of metal-organic frameworks by chitosan and attapulgite for capturing methylene blue in the water. **2022**, 31, 103601 0
- 164 An alternative approach to the kinetic modeling of pharmaceuticals degradation in high saline water by electrogenerated active chlorine species.. **2022**, 315, 115119
- 163 Fast photodegradation of antibiotics and dyes by anionic surfactant-aided CdS/ZnO nanodispersion. 0
- 162 (V)UV degradation of the antibiotic tetracycline: kinetics, transformation products and pathway. **2022**, 1
- 161 New insights on the synergetic removal of nutrients and sulfonamides in solid carbon/manganese ore supported denitrification system: Water quality, microbial community and antibiotic resistance genes. **2022**, 136992 0

160	Visible-light-driven photocatalytic degradation of dye and antibiotics by activated biochar composited with K doped g-CN: Effects, mechanisms, actual wastewater treatment and disinfection.. 2022 , 155955	1
159	Water Pollution Hazards of Single-Use Face Mask in Indian Riverine and Marine System. 2022 , 177-209	0
158	Antibiotic bioremediation by new generation biochar: Recent updates. 2022 , 127384	0
157	Metagenomic Analysis Reveals Changes in Bacterial Communities and Antibiotic Resistance Genes in an Eye Specialty Hospital and a General Hospital Before and After Wastewater Treatment. 2022 , 13,	0
156	Electrodeposition of FeOOH nanosheets on carbon felt for enhanced sulfamerazine removal via visible light-assisted electro-Fenton process. 2022 , 48, 102883	0
155	Removal of Ofloxacin from Wastewater by a Combined Cathode of Carbon Felt Box Filled with Green Self-Cleaning Feooh/Zeolite Catalyst.	
154	Naturalized Escherichia coli in Wastewater and the Co-evolution of Bacterial Resistance to Water Treatment and Antibiotics. 2022 , 13,	0
153	Photodegradable Antimicrobial Agents: Synthesis and Mechanism of Degradation.	0
152	Essential role of sunlight irradiation in aqueous micropollutant transformations: Influence of the water matrix and changes in toxicities.	
151	Recent advances in metal-free catalysts for the remediation of antibiotics, antibiotic resistant bacterial (ARB), and antibiotic resistant genes (ARGs).	1
150	Catalytic Activity Enhancement by P and S Co-Doping of a Single-Atom Fe Catalyst for Peroxymonosulfate-Based Oxidation.	
149	The Geological Characteristics of the Vadose Zone Influence the Impact of Treated Wastewater on the Groundwater Quality (SCA.Re.S. Project 2019020). 2022 , 11, 677	0
148	Antimicrobial Resistance in New Zealand: A One Health Perspective. 2022 , 11, 778	0
147	Characterization of β -Lactamases and Multidrug Resistance Mechanisms in Enterobacterales from Hospital Effluents and Wastewater Treatment Plant. 2022 , 11, 776	0
146	Efficient removal of antibiotics from water resources is a public health priority: a critical assessment of the efficacy of some remediation strategies for antibiotics in water.	0
145	Optimized synthesis of molecularly imprinted polymers coated magnetic UIO-66 MOFs for simultaneous specific removal and determination of multi types of macrolide antibiotics in water. 2022 , 108094	1
144	Assessment of phytotoxic potential and pathogenic bacteria removal from secondary effluents during ozonation and UV/H ₂ O ₂ . 2022 , 318, 115522	1
143	Highly permeable composite nanofiltration membrane via β -cyclodextrin modulation for multiple applications. 2022 , 297, 121541	0

- 142 Construction of a novel integrated electrochemical oxidation-coagulation system for simultaneous removal of suspended solids and antibiotics. **2022**, 447, 137505 ○
- 141 Antibiotics and Antimycotics in Waste Water Treatment Plants: Concentrations, Removal Efficiency, Spatial and Temporal Variations, Prediction, and Ecological Risk Assessment.
- 140 Nutrient Removal Efficiency of Aquatic Macrophytes in Wastewater. **2022**, 117-143
- 139 Sediment Metagenomics Reveals the Impacts of Poultry Industry Wastewater on Antibiotic Resistance and Nitrogen Cycling Genes in Tidal Creek Ecosystems.
- 138 Occurrence of antibiotics and bacterial resistance genes in wastewater: resistance mechanisms and antimicrobial resistance control approaches. **2022**, 38, 2
- 137 Hospital effluents as sources of antibiotics residues, resistant bacteria and heavy metals in Benin. **2022**, 4, ○
- 136 Non-point source fecal contamination from aging wastewater infrastructure is a primary driver of antibiotic resistance in surface waters. *Water Research*, **2022**, 118853 12.5 1
- 135 Ciprofloxacin and Trimethoprim Adsorption/Desorption in Agricultural Soils. **2022**, 19, 8426 ○
- 134 Cellulose-based activated carbon/layered double hydroxide for efficient removal of Clarithromycin residues and efficient role in the treatment of stomach ulcers and acidity problems. **2022**, 215, 705-728 ○
- 133 Powdered activated carbon full-scale addition to the activated sludge reactor of a municipal wastewater treatment plant: Pharmaceutical compounds control and overall impact on the process. **2022**, 49, 102975 ○
- 132 Magnetic Fe₃S₄/MoS₂ with visible-light response as an efficient photo-Fenton-like catalyst: Validation in degrading tetracycline hydrochloride under mild pH conditions. **2022**, 921, 166023 ○
- 131 Citrate-regulated synthesis of hydrotalcite-like compounds as peroxymonosulfate activator - Investigation of oxygen vacancies and degradation pathways by combining DFT. **2022**, 317, 121704 1
- 130 Constructing zirconium based metal-organic frameworks based electrically-driven self-cleaning membrane for removal of tetracycline: Effect of ligand substitution. **2022**, 450, 138100 ○
- 129 Chronic effects of benzalkonium chlorides on short chain fatty acids and methane production in semi-continuous anaerobic digestion of waste activated sludge. **2022**, 157619 ○
- 128 Deterministic assembly process dominates bacterial antibiotic resistome in wastewater effluents receiving river. ○
- 127 Two-in-one Sulfur and nitrogen co-doped fluorescent silicon nanoparticles: Simultaneous as the fluorescent probe and photocatalyst for in-situ real time visual monitoring and degradation of tetracycline antibiotics. **2022**, 846, 157470 ○
- 126 Antibiotics in global rivers. **2022**, ○
- 125 TOC Standards for Sustainably Managing Refractory Organic Matter in Swine Wastewater Effluent. **2022**, 14, 10092

- 124 Vanadium-doped MnO₂ nanocatalyst for visible-light-driven photodegradation of selected fluoroquinolone antibiotics from contaminated water.
- 123 A review on the progress of the photocatalytic removal of refractory pollutants from water by BiOBr-based nanocomposites. **2022**, 136107 2
- 122 Antibiotics and antimycotics in waste water treatment plants: Concentrations, removal efficiency, spatial and temporal variations, prediction, and ecological risk assessment. **2022**, 114135 0
- 121 Impact of log(K_{ow}) Value on the Extraction of Antibiotics from River Sediments with Pressurized Liquid Extraction. **2022**, 14, 2534 0
- 120 Cladophora Algae Modified with CuO Nanoparticles for Tetracycline Removal from Aqueous Solutions. **2022**, 233, 0
- 119 Insights into the microbial response mechanisms to ciprofloxacin during sulfur-mediated biological wastewater treatment using a metagenomics approach. **2022**, 223, 118995 1
- 118 Ultra-adsorption enhancing peroxymonosulfate activation by ultrathin NiAl-layered double hydroxides for efficient degradation of sulfonamide antibiotics. **2022**, 369, 133277 0
- 117 Lacunary polyoxometalate @ ZIF for ultradeep Pb(II) adsorption. **2022**, 262, 118003 2
- 116 N-doped carbon intercalated Fe-doped MoS₂ nanosheets with widened interlayer spacing: An efficient peroxymonosulfate activator for high-salinity organic wastewater treatment. **2022**, 628, 318-330 0
- 115 Synergic degradation Chloramphenicol in photo-electrocatalytic microbial fuel cell over Ni/MXene photocathode. **2022**, 628, 327-337 1
- 114 Insight into the microbial and genetic response of anammox biomass to broad range concentrations of different antibiotics: Linking performance and mechanism. **2023**, 451, 138546 0
- 113 High-efficiency removal of antibiotic pollutants by magnetic carbon aerogel: Inherent roles of adsorption synergistic catalysis. **2022**, 375, 134105 0
- 112 Predicting selection for antimicrobial resistance in UK wastewater and aquatic environments: Ciprofloxacin poses a significant risk. **2022**, 169, 107488 0
- 111 The antibiotic resistance and risk heterogeneity between urban and rural rivers in a pharmaceutical industry dominated city in China: The importance of social-economic factors. **2022**, 852, 158530 0
- 110 Simultaneous efficient degradation and dechlorination of chloramphenicol using UV/sulfite reduction: Mechanisms and product toxicity. **2023**, 452, 139161 0
- 109 Fe₃O₄/Clinoptilolite with Adsorption, Catalysis and Self-Regeneration for Ofloxacin Removal in Electro-Fenton System Under Neutral Condition. 0
- 108 Structure and Function Response of Microbial Communities Towards Antibiotic Contamination in Hyporheic Zone Sediments. 0
- 107 Addressing main challenges in the tertiary treatment of urban wastewater: are homogeneous photodriven AOPs the answer?. **2022**, 8, 2145-2169 1

106	Impact of emerging contaminants on biological wastewater treatment process. 2022 , 17-40	0
105	Water Recovery from Urban Wastewater for Irrigation using Ultrafiltration and Nanofiltration: Optimization and Performance. 2200280	0
104	Design of g-C 3 N 4 /BaBiO 3 Heterojunction Nanocomposites for Photodegradation of an Organic Dye and Diclofenac Sodium under Visible Light via Interfacial Charge Transfer. 2022 , 7,	0
103	The Current Status and Prevention of Antibiotic Pollution in Groundwater in China. 2022 , 19, 11256	2
102	Antibiotic concentrations in raw hospital wastewater surpass minimal selective and minimal inhibitory concentrations of resistant Acinetobacter baylyi strains.	0
101	The Diversity and Ubiquity of Antibiotic Resistance Genes in Finfish Culture Ponds in Bangladesh.	0
100	Degradation of ciprofloxacin using heterogeneous Fenton catalysts derived from natural pyrite and rice straw biochar. 2022 , 134459	1
99	Synthesis of Zn ₂ TiO ₄ @NiO core-shell nanoparticles using Zn ₂ TiO ₄ @Ni(OH) ₂ precursors and their application as adsorbent for the removal of ciprofloxacin. 2022 , 286, 116037	0
98	Structure and function response of bacterial communities towards antibiotic contamination in hyporheic zone sediments. 2022 , 309, 136606	1
97	Comparative study of enhanced adsorption-photodegradation activity using activated biochar composited with Ag ₃ PO ₄ or Ag ₆ Si ₂ O ₇ in wastewater treatment and disinfection: Effects and mechanisms. 2022 , 655, 130235	0
96	Degradation of antibiotics in aquaculture wastewater by bio-nanoparticles: A critical review. 2022 , 101981	0
95	Unraveling the Toxicity Associated with Ciprofloxacin Biodegradation in Biological Wastewater Treatment.	0
94	Biodegradation of two organic ultraviolet-filters by single bacterial strains.	0
93	Ofloxacin Removal from Aqueous Media by Means of Magnetoactive Electrospun Fibrous Adsorbents. 2022 , 12, 3648	0
92	A comprehensive review of various approaches for treatment of tertiary wastewater with emerging contaminants: what do we know?. 2022 , 194,	1
91	The Assessment of the Risk Ranking and Mobility Potential Associated with Environmental Resistomes in Wastewater Using Metagenomic Assembly. 2022 , 14, 14292	0
90	Toxicity and assimilability evolution of oxidation byproducts during ozonation of trace organic contaminants. 2022 , 134879	0
89	Antibiotic resistance bacteria and antibiotic resistance genes survived from the extremely acidity posing a risk on intestinal bacteria in an in vitro digestion model by horizontal gene transfer. 2022 , 247, 114247	1

88	A novel biotechnology for enhanced ciprofloxacin removal via bioaugmentation of <i>Paraclostridium</i> sp.. 2022 , 20, 101246	0
87	Sediment metagenomics reveals the impacts of poultry industry wastewater on antibiotic resistance and nitrogen cycling genes in tidal creek ecosystems. 2023 , 857, 159496	1
86	Evaluation of the adsorption of sulfamethoxazole (SMX) within aqueous influents onto customized ordered mesoporous carbon (OMC) adsorbents: Performance and elucidation of key adsorption mechanisms. 2023 , 454, 140082	0
85	Catalytic activity enhancement by P and S co-doping of a single-atom Fe catalyst for peroxymonosulfate-based oxidation. 2023 , 453, 139890	0
84	Ball milling-assisted preparation of sludge biochar as a novel periodate activator for nonradical degradation of sulfamethoxazole: Insight into the mechanism of enhanced electron transfer. 2023 , 316, 120620	0
83	Anchoring black phosphorous quantum dots on Bi ₂ WO ₆ porous hollow spheres: A novel 0D/3D S-scheme photocatalyst for efficient degradation of amoxicillin under visible light. 2023 , 443, 130326	0
82	Amine-Functionalized Crystalline Carbon Nanodots Decorated on Bi ₂ WO ₆ Nanoplates as Solar Photocatalysts for Efficient Degradation of Tetracycline and Ciprofloxacin.	0
81	Occurrence, distribution and ecological risk assessment of antibiotics in Nanming river: Contribution from wastewater treatment plant and implications of urban river syndrome. 2022 ,	2
80	Sulfate radicals-based advanced oxidation processes for the degradation of pharmaceuticals and personal care products: A review on relevant activation mechanisms, performance, and perspectives. 2022 , 114789	2
79	Co-occurrence of antibiotic and metal resistance in long-term sewage sludge-amended soils: influence of application rates and pedo-climatic conditions.	0
78	Risk ranking of macrolide antibiotics [Release levels, resistance formation potential and ecological risk. 2022 , 160022	0
77	Activated persulfate and peroxymonosulfate based advanced oxidation processes (AOPs) for antibiotics degradation [A review. 2022 , 100194	3
76	Acute stress of the typical disinfectant glutaraldehyde-didecyldimethylammonium bromide (GD) on sludge microecology in livestock wastewater treatment plants: Effect and its mechanisms. 2022 , 227, 119342	0
75	Adsorption of Toxic Tetracycline, Thiamphenicol and Sulfamethoxazole by a Granular Activated Carbon (GAC) under Different Conditions. 2022 , 27, 7980	1
74	A reverse electrodialysis cell-modified photocatalytic fuel cell for efficient electricity and hydrogen generation from the degradation of refractory organic pollutants. 2022 , 130443	0
73	Abiotic transformations of sulfamethoxazole by hydroxylamine, nitrite and nitric oxide during wastewater treatment: Kinetics, mechanisms and pH effects. 2023 , 444, 130328	0
72	Visible light induced photocatalytic activity of MnO ₂ /BiVO ₄ for the degradation of organic dye and tetracycline. 2022 ,	0
71	Functionalized graphene oxide-zinc oxide hybrid material and its deployment for adsorptive removal of levofloxacin from aqueous media. 2023 , 217, 114958	0

- 70 Deep convolutional neural network with sine cosine algorithm based wastewater treatment systems. **2023**, 219, 114910 ○
- 69 Evolution of photocatalytic membrane for antibiotics degradation: Perspectives and insights for sustainable environmental remediation. **2023**, 51, 103342 ○
- 68 A study on the adsorption property and mechanism of β -cyclodextrin/polyvinyl alcohol/polyacrylic acid hydrogel for ciprofloxacin. **2022**, ○
- 67 Bacterial Resistance to β -lactam Antibiotics in Municipal Wastewater: Insights from a Full-Scale Treatment Plant in Poland. **2022**, 10, 2323 ○
- 66 Metagenomic-based surveillance systems for antibiotic resistance in non-clinical settings. 13, ○
- 65 Antibiotics in Groundwater and River Water of BiaÅa Pristine Mountain River. **2022**, 12, 12743 ○
- 64 Enantioselective Behavior of Flumequine Enantiomers and Metabolites Identification in Sediment. **2022**, 2022, 1-12 ○
- 63 Coupled effect of pH and kaolinite colloids on antibiotic transport in porous media. **2023**, ○
- 62 Simultane Entfernung von organischen Spurenstoffen und Phosphor aus kommunalem Abwasser unter Einsatz einer Adsorptions-/Flockmittelsuspension. ○
- 61 Mitigation of Non-Steroidal Anti-Inflammatory and Antiretroviral Drugs as Environmental Pollutants by Adsorption Using Nanomaterials as Viable Solution A Critical Review. **2023**, 13, 772 ○
- 60 Study of degradation of norfloxacin antibiotic and their intermediates by natural solar photolysis. ○
- 59 Enhanced photocatalytic activity of Fe-, S- and N-codoped TiO₂ for sulfadiazine degradation. ○
- 58 Modulation of Charge Trapping by Island-like Single-Atom Cobalt Catalyst for Enhanced Photo-Fenton-Like reaction. 2208688 ○
- 57 Self-rescue of nitrogen-cycling bacteria under β -lactam antibiotics stress during managed aquifer recharge (MAR): microbial collaboration and anti-resistance. **2023**, 119623 ○
- 56 Removal of diclofenac from aqueous solution on apricot seeds activated carbon synthesized by pyro carbonic acid microwave. **2023**, 43, 100982 ○
- 55 A review: Manganese-driven bioprocess for simultaneous removal of nitrogen and organic contaminants from polluted waters. **2023**, 314, 137655 ○
- 54 On the importance of reactions in the proximity of the gas/water interface: Application to direct ozone reactions of antibiotics in water. **2023**, 458, 141408 ○
- 53 Mesocosm experiment to determine the contribution of adsorption, biodegradation, hydrolysis and photodegradation in the attenuation of antibiotics at the water sediment interface. **2023**, 866, 161385 ○

- 52 Spatio-Temporal Distribution and Risk Assessment of Antibiotic in the Aquatic Environment in China Nationwide, A Review. **2023**, 15, 386 ○
- 51 Evolution and Emergence of Antibiotic Resistance in Given Ecosystems: Possible Strategies for Addressing the Challenge of Antibiotic Resistance. **2023**, 12, 28 ○
- 50 *Platanus occidentalis* leaf-mediated green synthesis of NiO nanoparticles and the adsorption potential for amoxicillin and nortriptyline from aqueous phase. ○
- 49 Recent Advances in Downstream Processing Deployed in the Treatment of Pharmaceutical Effluents. **2023**, 45-66 ○
- 48 Seasonal distribution and dynamic evolution of antibiotics and evaluation of their resistance selection potential and ecotoxicological risk at a wastewater treatment plant in Jinan, China. ○
- 47 Efficient degradation of metronidazole wastewater over MIL-101(Fe) Fenton catalysts. ○
- 46 Bioconversion of hazardous organic wastes using invertebrates. **2023**, 297-357 ○
- 45 Sonophotocatalysis with Photoactive Nanomaterials for Wastewater Treatment and Bacteria Disinfection. ○
- 44 Cross-Linked and Doped Graphene Oxide Membranes with Excellent Antifouling Capacity for Rejection of Antibiotics and Salts. ○
- 43 Photocatalytic Oxidation of Amoxicillin in CPC Reactor over 3D Printed TiO₂-CNT@PETG Static Mixers. **2023**, 13, 386 ○
- 42 The Application of Different Technologies for Removal of Rifampicin From Aquatic Environments: A Recent Review. ○
- 41 The Application of Hydroxyapatite NPs for Adsorption Antibiotic from Aqueous Solutions: Kinetic, Thermodynamic, and Isotherm Studies. **2023**, 11, 749 ○
- 40 Chirality of tyrosine controls biofilm formation via the regulation of bacterial adhesion. **2023**, 192, 108844 ○
- 39 High performance electroactive ultrafiltration membrane for antibiotic resistance removal from wastewater effluent. **2023**, 672, 121429 ○
- 38 Sustainable nanocomposite porous absorbent and membrane sieves: Definition, classification, history, properties, synthesis, applications, and future prospects. **2023**, 11, 109367 ○
- 37 Influence of microplastics on the transport of antibiotics in sand filtration investigated by AFM force spectroscopy. **2023**, 873, 162344 ○
- 36 Sludge biochar as an electron shuttle between periodate and sulfamethoxazole: The dominant role of ball mill-loaded Mn₂O₃. **2023**, 314, 123627 ○
- 35 Dissemination of sulfonamide resistance genes in digester microbiome during anaerobic digestion of food waste leachate. **2023**, 452, 131200 ○

- 34 Efficient degradation of micropollutants in CoCaAl-LDO/peracetic acid (PAA) system: An organic radical dominant degradation process. **2023**, 452, 131286 ○
- 33 Efficient adsorption and photocatalytic degradation of water emerging contaminants through nanoarchitectonics of pore sizes and optical properties of zirconium-based MOFs. **2023**, 451, 131113 ○
- 32 Tubular membrane photoreactor for the tertiary treatment of urban wastewater towards antibiotics removal: application of different photocatalyst/oxidant combinations and ozonation. **2023**, 11, 109766 ○
- 31 Cytochrome P450-mediated co-metabolism of fluoroquinolones by *Haematococcus lacustris* for simultaneously promoting astaxanthin and lipid accumulation. **2023**, 465, 142770 ○
- 30 Risk control of antibiotics, antibiotic resistance genes (ARGs) and antibiotic resistant bacteria (ARB) during sewage sludge treatment and disposal: A review. **2023**, 877, 162772 ○
- 29 One-step chemically vapor deposited hybrid 1T-MoS₂/2H-MoS₂ heterostructures towards methylene blue photodegradation. **2023**, 95, 106381 ○
- 28 Enhanced photocatalytic degradation of ciprofloxacin by heterostructured BiOCl/Ti₃C₂T_x MXene nanocomposites. **2023**, 950, 169797 ○
- 27 Deciphering the distribution and microbial secretors of extracellular polymeric substances associated antibiotic resistance genes in tube wall biofilm. **2023**, 881, 163218 ○
- 26 Occurrence and prevalence of antibiotic resistance genes and pathogens in an industrial park wastewater treatment plant. **2023**, 880, 163278 ○
- 25 Degradation of sulfamethoxazole in microbubble ozonation process: Performance, reaction mechanism and toxicity assessment. **2023**, 311, 123262 ○
- 24 Metagenomic assessment of the diversity and ubiquity of antimicrobial resistance genes in Bangladeshi aquaculture ponds. **2023**, 29, 101462 ○
- 23 Direct toxicity of six antibiotics on soil bacterial communities affected by the addition of bio-adsorbents. **2023**, 322, 121161 ○
- 22 Photoaging processes of polyvinyl chloride microplastics enhance the adsorption of tetracycline and facilitate the formation of antibiotic resistance. **2023**, 320, 137820 ○
- 21 Efficient degradation of clothianidin and thiamethoxam in contaminated soil by peroxymonosulfate process. **2023**, 30, 48211-48219 ○
- 20 Nanostructure Modified Electrodes for Electrochemical Detection of Contaminants of Emerging Concern. **2023**, 13, 381 ○
- 19 Photodegradation of 17 β -ethinylestradiol on Ag₃PO₄ crystals treated at different temperatures. ○
- 18 Expansion of Kuravirus-like Phage Sequences within the Past Decade, including Escherichia Phage YF01 from Japan, Prompt the Creation of Three New Genera. **2023**, 15, 506 ○
- 17 Cultivation of algal-bacterial granular sludge and degradation characteristics of tetracycline. **2023**, 95, ○

- 16 Surveillance on ESBL-Escherichia coli and Indicator ARG in Wastewater and Reclaimed Water of Four Regions of Spain: Impact of Different Disinfection Treatments. **2023**, 12, 400
- 15 Current situation of pharmaceutical wastewater around the globe. **2023**, 19-52
- 14 Occurrence and Health Risks of Antibiotic Resistance in African Aquatic Systems. **2023**, 107-159
- 13 Impact of Antibiotic Pollution on the Bacterial Population within Surface Water with Special Focus on Mountain Rivers. **2023**, 15, 975
- 12 Efficient degradation of organic contaminants via a novel iron-based poly(ionic liquid)/polydopamine composite as the heterogeneous Fenton catalyst.
- 11 Waste recycling of antibiotic mycelial residue: The feasible harmless treatment and source control of antibiotic resistance. **2023**, 401, 136786
- 10 Prevention of horizontal transfer of laboratory plasmids to environmental bacteria: comparison of the effectiveness of a few disinfection approaches to degrade DNA..
- 9 Antibiotics in the marine environment: occurrence and impact. **2023**, 73-104
- 8 A framework to assess the terrestrial risk of antibiotic resistance from antibiotics in slurry or manure amended soils.
- 7 The removal of ciprofloxacin from synthetic wastewater in constructed wetland. **2023**, 6, 138-146
- 6 Assessing synchronous removal of nutrients and SMX based on novel Mn-C composites: Impact of different proportion of manganese dioxide. **2023**, 465, 142884
- 5 Activation of peroxymonosulfate by an Enteromorpha prolifera derived biochar supported CoFe₂O₄ catalyst for highly efficient lomefloxacin hydrochloride degradation under a wide pH range. **2023**, 316, 123846
- 4 Peroxymonosulfate/Solar process for urban wastewater purification at a pilot plant scale: A techno-economic assessment. **2023**, 881, 163407
- 3 Characterization of UV/chlorine process for micropollutant abatement by probe compound-based kinetic models. **2023**, 119985
- 2 Nontarget Analysis of Polluted Surface Waters in Bangladesh Using Open Science Workflows.
- 1 Impact of antibiotics on microbial community in aquatic environment and biodegradation mechanism: a review and bibliometric analysis.