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Pharmaceuticals as emerging contaminants and their removal from water. A review

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982	A hierarchical porous carbon [Mn+[FAU] (Mn+=Ni ²⁺ or Cu ²⁺) adsorbent: Synthesis, characterization and adsorption of salicylic acid from water. 2014 , 200, 225-234		16
981	Towards a generic variable column length method development strategy for samples with a large variety in polarity. 2014 , 1372C, 174-186		11
980	Removal of polycyclic musks by anaerobic membrane bioreactor: biodegradation, biosorption, and enantioselectivity. <i>Chemosphere</i> , 2014 , 117, 722-9	8.4	13
979	Degradation of diclofenac and carbamazepine by the copper(II)-catalyzed dark and photo-assisted Fenton-like systems. 2014 , 245, 258-264		87
978	Investigation of pharmaceuticals and illicit drugs in waters by liquid chromatography-high-resolution mass spectrometry. 2014 , 63, 140-157		98
977	Photo-transformation of pharmaceutically active compounds in the aqueous environment: a review. 2014 , 16, 697-720		122
976	Reducing the discharge of micropollutants in the aquatic environment: the benefits of upgrading wastewater treatment plants. 2014 , 48, 7683-9		344
975	Degradation of the anti-inflammatory drug ibuprofen by electro-peroxone process. 2014 , 63, 81-93		117
974	Uptake and effects of a mixture of widely used therapeutic drugs in <i>Eruca sativa</i> L. and <i>Zea mays</i> L. plants. 2014 , 108, 52-7		49
973	Bio-inspired titanium dioxide materials with special wettability and their applications. 2014 , 114, 10044-94		415
972	Removal of pharmaceuticals from MWTP effluent by nanofiltration and solar photo-Fenton using two different iron complexes at neutral pH. 2014 , 64, 23-31		109
971	Potential toxicity of amphenicol antibiotic: binding of chloramphenicol to human serum albumin. 2014 , 21, 11340-8		13
970	Development of a new adsorbent from agro-industrial waste and its potential use in endocrine disruptor compound removal. 2014 , 271, 311-20		80
969	Production of adsorbents by pyrolysis of paper mill sludge and application on the removal of citalopram from water. 2014 , 166, 335-44		73
968	Occurrence and human health risk of wastewater-derived pharmaceuticals in a drinking water source for Shanghai, East China. 2014 , 490, 987-93		53

967	Performance of chlorination process during nanofiltration of sulfonamide antibiotic. 2015 , 72, 1611-20		7
966	Identification of Chlorophene in a Backwater Stream in Kerala (India) and its Sonochemical Degradation Studies. 2015 , 43, 1338-1343		17
965	Comparison between chlorination and ozonation treatments for the elimination of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in surface waters and secondary effluents. 2015 , 90, 1400-1407		8
964	Microwave-Assisted Synthesis of Porous ZnO/SnS ₂ Heterojunction and Its Enhanced Photoactivity for Water Purification. 2015 , 2015, 1-13		14
963	Adsorption of emerging pollutants on functionalized multiwall carbon nanotubes. <i>Chemosphere</i> , 2015 , 136, 174-80	8.4	70
962	Electrochemical removal of pharmaceuticals from water streams: Reactivity elucidation by mass spectrometry. 2015 , 70, 112-121		63
961	Development and validation of a generic nontarget method based on liquid chromatography - high resolution mass spectrometry analysis for the evaluation of different wastewater treatment options. 2015 , 1426, 77-90		53
960	Regeneration of siloxane-exhausted activated carbon by advanced oxidation processes. 2015 , 285, 501-8		48
959	Advanced treatment of urban wastewater by sand filtration and graphene adsorption for wastewater reuse: Effect on a mixture of pharmaceuticals and toxicity. 2015 , 3, 122-128		54
958	Adsorptive removal of pharmaceuticals from water by commercial and waste-based carbons. 2015 , 152, 83-90		97
957	Mechanistic study of fulvic acid assisted propranolol photodegradation in aqueous solution. <i>Chemosphere</i> , 2015 , 119, 1406-1410	8.4	26
956	Isolation of naproxen from wastewater using carbon-based magnetic adsorbents. 2015 , 12, 3541-3550		37
955	A bibliometric analysis of global research progress on pharmaceutical wastewater treatment during 1994-2013. 2015 , 73, 4995-5005		29
954	Transformation of aminopyrine during ozonation: Characteristics and pathways. 2015 , 279, 156-165		18
953	Effects of 100 years wastewater irrigation on resistance genes, class 1 integrons and IncP-1 plasmids in Mexican soil. 2015 , 6, 163		37
952	Substrate-immobilized electrospun TiO ₂ nanofibers for photocatalytic degradation of pharmaceuticals: The effects of pH and dissolved organic matter characteristics. 2015 , 86, 25-34		51
951	Utilisation of sewage sludge derived adsorbents for the removal of recalcitrant compounds from wastewater: Mechanistic aspects, isotherms, kinetics and thermodynamics. 2015 , 194, 214-24		26
950	Flocculation of copper(II) and tetracycline from water using a novel pH- and temperature-responsive flocculants. <i>Chemosphere</i> , 2015 , 141, 112-9	8.4	40

949	Plausible mechanisms of the fenton-like reactions, M = Fe(II) and Co(II), in the presence of RCO ₂ (-) substrates: are OH [•] radicals formed in the process?. 2015 , 119, 4200-6	28
948	Ferrate promoted oxidative cleavage of sulfonamides: Kinetics and product formation under acidic conditions. 2015 , 279, 307-316	84
947	Adsorption of three pharmaceuticals on two magnetic ion-exchange resins. 2015 , 31, 226-34	66
946	Electrooxidation treatment for removal of emerging pollutants in wastewater sludge. 2015 , 149, 26-33	28
945	Elimination of Selected Emerging Contaminants by the Combination of Membrane Filtration and Chemical Oxidation Processes. 2015 , 226, 1	35
944	Pharmaceuticals and iodinated contrast media in a hospital wastewater: A case study to analyse their presence and characterise their environmental risk and hazard. 2015 , 140, 225-41	116
943	Fenton degradation of sulfanilamide in the presence of Al,Fe-pillared clay: Catalytic behavior and identification of the intermediates. 2015 , 293, 21-9	51
942	Oxidative degradation of levofloxacin in aqueous solution by S ₂ O ₈ ²⁻ /Fe ²⁺ , S ₂ O ₈ ²⁻ /H ₂ O ₂ and S ₂ O ₈ ²⁻ /OH [•] processes: A comparative study. 2015 , 3, 1207-1214	23
941	Adsorption of sulfamethoxazole and 17 β -estradiol by carbon nanotubes/CoFe ₂ O ₄ composites. 2015 , 274, 17-29	107
940	Photolytic and thin TiO ₂ film assisted photocatalytic degradation of sulfamethazine in aqueous solution. 2015 , 22, 11372-86	34
939	Polyaniline/CaCu ₃ Ti ₄ O ₁₂ nanofiber composite with a synergistic effect on visible light photocatalysis. 2015 , 5, 87241-87250	18
938	Mineralization of Para-Chlorobenzoic Acid in Water by Cobalt-Incorporated MCM-41 Catalyzed Ozonation. 2015 , 37, 527-537	3
937	Removal of beta-blockers from aqueous media by adsorption onto graphene oxide. 2015 , 537, 411-20	106
936	A biocompatible stepping stone for the removal of emerging contaminants. 2015 , 153, 91-98	29
935	Removal of emerging contaminants by pre-mixed PACl and carbonaceous materials. 2015 , 5, 35461-35468	9
934	Application of electrochemical/BDD process for the treatment wastewater effluents containing pharmaceutical compounds. 2015 , 31, 238-243	51
933	Scavenging of photogenerated ROS by Oxicams. Possible biological and environmental implications. 2015 , 153, 233-9	5
932	Anodic oxidation of aspirin on PbO ₂ , BDD and porous Ti/BDD electrodes: Mechanism, kinetics and utilization rate. 2015 , 156, 124-131	55

931	Coupling of membrane filtration and advanced oxidation processes for removal of pharmaceutical residues: A critical review. 2015 , 156, 891-914		333
930	Sunlight-driven photocatalytic degradation of non-steroidal anti-inflammatory drug based on TiO ₂ quantum dots. 2015 , 459, 257-263		52
929	Spoilt for choice: A critical review on the chemical and biological assessment of current wastewater treatment technologies. 2015 , 87, 237-70		205
928	Enhanced Biological Wastewater Treatment to Produce Effluents Suitable for Reuse. 2015 , 79-105		2
927	Application of high intensity UVC-LED for the removal of acetamiprid with the photo-Fenton process. 2015 , 264, 690-696		48
926	Transition metal modified mesoporous silica adsorbents with zero microporosity for the adsorption of contaminants of emerging concern (CECs) from aqueous solutions. 2015 , 264, 152-164		20
925	Evaluation of water matrix effects, experimental parameters, and the degradation pathway during the TiO ₂ photocatalytic treatment of the antibiotic dicloxacillin. 2015 , 50, 40-8		28
924	Single and multi-component adsorption of salicylic acid, clofibric acid, carbamazepine and caffeine from water onto transition metal modified and partially calcined inorganic-organic pillared clay fixed beds. 2015 , 282, 174-82		42
923	Performance of different carbonaceous materials for emerging pollutants adsorption. <i>Chemosphere</i> , 2015 , 119 Suppl, S124-30	8.4	29
922	Wastewater reuse in irrigation: a microbiological perspective on implications in soil fertility and human and environmental health. 2015 , 75, 117-35		264
921	An overview on the advanced oxidation processes applied for the treatment of water pollutants defined in the recently launched Directive 2013/39/EU. 2015 , 75, 33-51		597
920	Degradation of diphenhydramine by photo-Fenton using magnetically recoverable iron oxide nanoparticles as catalyst. 2015 , 261, 45-52		77
919	Application of solar photo-Fenton at circumneutral pH to nanofiltration concentrates for removal of pharmaceuticals in MWTP effluents. 2015 , 22, 846-55		20
918	Determination of thimerosal in pharmaceutical industry effluents and river waters by HPLC coupled to atomic fluorescence spectrometry through post-column UV-assisted vapor generation. 2015 , 106, 79-84		13
917	Research Trends in Emerging Contaminants on the Aquatic Environments of Tanzania. 2016 , 2016, 3769690		20
916	Review of Antimicrobial Resistance in the Environment and Its Relevance to Environmental Regulators. 2016 , 7, 1728		354
915	Effective Degradation of Aqueous Tetracycline Using a Nano-TiO ₂ /Carbon Electrocatalytic Membrane. 2016 , 9,		33
914	Electrochemical Selective and Simultaneous Detection of Diclofenac and Ibuprofen in Aqueous Solution Using HKUST-1 Metal-Organic Framework-Carbon Nanofiber Composite Electrode. 2016 , 16,		23

913	Reduction of non-Betalactam Antibiotics COD by Combined Coagulation and Advanced Oxidation Processes. 2016 , 88, 2121-2131	5
912	New effects in Langmuir and Langmuir-Blodgett monolayers from fluorescently labelled phospholipids and their possible use for water quality control. 2016 , 682, 012037	3
911	Contribution of Arab countries to pharmaceutical wastewater literature: a bibliometric and comparative analysis of research output. 2016 , 28, 28	25
910	Simultaneous nitrate reduction and acetaminophen oxidation using the continuous-flow chemical-less VUV process as an integrated advanced oxidation and reduction process. 2016 , 318, 329-338	35
909	Linking field-based metabolomics and chemical analyses to prioritize contaminants of emerging concern in the Great Lakes basin. 2016 , 35, 2493-2502	29
908	Single and multi-component adsorptive removal of bisphenol A and 2,4-dichlorophenol from aqueous solutions with transition metal modified inorganic-organic pillared clay composites: Effect of pH and presence of humic acid. 2016 , 312, 262-271	50
907	Electrochemical degradation of the antihypertensive losartan in aqueous medium by electro-oxidation with boron-doped diamond electrode. 2016 , 319, 84-92	87
906	Photocatalytic oxidation of acetaminophen using carbon self-doped titanium dioxide. 2016 , 26, 161-167	39
905	Multi-pollutant treatment of crystalline cellulosic effluent: Function of dissolved oxygen on process control. 2016 , 217, 245-51	3
904	Understanding the fate of organic micropollutants in sand and granular activated carbon biofiltration systems. 2016 , 551-552, 640-8	57
903	Status of hormones and painkillers in wastewater effluents across several European states-considerations for the EU watch list concerning estradiols and diclofenac. 2016 , 23, 12835-66	99
902	Simultaneous detection of antibiotics and other drug residues in the dissolved and particulate phases of water by an off-line SPE combined with on-line SPE-LC-MS/MS: Method development and application. 2016 , 563-564, 424-33	42
901	Photocatalytic mechanism of metoprolol oxidation by photocatalysts TiO ₂ and TiO ₂ doped with 5% B: Primary active species and intermediates. 2016 , 194, 111-122	72
900	Testing plasmid stability of Escherichia coli using the Continuously Operated Shaken BIOreactor System. 2016 , 32, 1418-1425	12
899	Life cycle assessment and costing of urine source separation: Focus on nonsteroidal anti-inflammatory drug removal. 2016 , 105, 487-495	42
898	Tolfenamic acid degradation by direct photolysis and the UV-ABC/HO process: factorial design, kinetics, identification of intermediates, and toxicity evaluation. 2016 , 573, 518-531	25
897	Influence of the anode material on the degradation of naproxen by Fenton-based electrochemical processes. 2016 , 304, 817-825	100
896	Diamond-coated 'black silicon' as a promising material for high-surface-area electrochemical electrodes and antibacterial surfaces. 2016 , 4, 5737-5746	73

895	Liquid chromatography coupled to molecular fluorescence with postcolumn UV sensitization for thimerosal and derivative compounds monitoring in environmental samples. 2016 , 37, 2531-2537	5
894	Removal of Penicillin G and Erythromycin with Ionizing Radiation Followed by Biological Treatment. 2016 , 73, 582-6	12
893	Ibuprofen photodegradation in aqueous solutions. 2016 , 23, 22993-23004	29
892	Analytical tools employed to determine pharmaceutical compounds in wastewaters after application of advanced oxidation processes. 2016 , 23, 24476-24494	12
891	Advanced Material for Pharmaceutical Removal from Wastewater. 2016 , 179-212	7
890	Amoxicillin degradation from contaminated water by solar photocatalysis using response surface methodology (RSM). 2016 , 23, 23262-23270	16
889	Theoretical investigation of loratadine reactivity in order to understand its degradation properties: DFT and MD study. 2016 , 22, 240	37
888	Comparative assessment of diclofenac removal from water by different microalgae strains. 2016 , 18, 127-134	54
887	Fatty acid metabolism in fish species as a biomarker for environmental monitoring. 2016 , 218, 297-312	48
886	Organic xerogels doped with Tris(2,2'-bipyridine) ruthenium(II) as hydroxyl radical promoters: Synthesis, characterization, and photoactivity. 2016 , 306, 289-297	9
885	Estimation of kinetic parameters and UV doses necessary to remove twenty-three pharmaceuticals from pre-treated urban wastewater by UV/H ₂ O ₂ . 2016 , 329, 130-138	38
884	Adsorptive Removal of Artificial Sweeteners from Water Using Metal-Organic Frameworks Functionalized with Urea or Melamine. 2016 , 8, 29799-29807	70
883	Mechanistic evaluation and reaction pathway of UV photo-assisted Fenton-like degradation of progesterone in water and wastewater. 2016 , 13, 2757-2766	14
882	Pharmaceutical removal from water with iron- or manganese-based technologies: A review. 2016 , 46, 1584-1621	27
881	Efficient Solar Energy Conversion Using CaCu ₃ Ti ₄ O ₁₂ Photoanode for Photocatalysis and Photoelectrocatalysis. 2016 , 6, 18557	62
880	Sorption of Lincomycin by Manure-Derived Biochars from Water. 2016 , 45, 519-27	25
879	Degradation of exogenous caffeine by <i>Populus alba</i> and its effects on endogenous caffeine metabolism. 2016 , 23, 7298-307	16
878	Biotransformation of pharmaceuticals by ammonia oxidizing bacteria in wastewater treatment processes. 2016 , 566-567, 796-805	54

877	High efficacy on diclofenac removal by activated carbon produced from potato peel waste. 2016 , 13, 1989-2000	49
876	Tetracycline adsorption by H ₃ PO ₄ -activated carbon produced from apricot nut shells: A batch study. 2016 , 102, 700-709	112
875	Current sample preparation methodologies for analysis of emerging pollutants in different environmental matrices. 2016 , 82, 199-207	111
874	The reaction between the peroxide VO(π -O ₂)(pyridine-2-carboxylate) \cdot 2H ₂ O and Fellaq is not a Fenton-like reaction. 2016 , 69, 1722-1729	3
873	Biological Nitrogen Removal in Moving Bed Biofilm Reactor Using Ibuprofen as Carbon Source. 2016 , 227, 1	10
872	Physicochemical regeneration of high silica zeolite Y used to clean-up water polluted with sulfonamide antibiotics. 2016 , 43, 302-312	29
871	Removal of emerging contaminants from a primary effluent of municipal wastewater by means of sequential biological degradation-solar photocatalytic oxidation processes. 2016 , 290, 12-20	75
870	Role of 1 [O ₂]* in chlortetracycline degradation by solar radiation assisted by ruthenium metal complexes. 2016 , 284, 896-904	12
869	Mycoremediation with mycotoxin producers: a critical perspective. 2016 , 100, 17-29	17
868	Pharmaceuticals, endocrine disruptors, personal care products, nanomaterials and perfluorinated pollutants: a review. 2016 , 14, 27-49	251
867	Heterogeneous photocatalytic studies of analgesic and non-steroidal anti-inflammatory drugs. 2016 , 510, 134-155	70
866	Removal of pharmaceuticals from secondary effluents by an electro-peroxone process. 2016 , 88, 826-835	90
865	Rejection of pharmaceutically-based N-nitrosodimethylamine precursors using nanofiltration. 2016 , 93, 179-186	5
864	Performance evaluation of powdered activated carbon for removing 28 types of antibiotics from water. 2016 , 172, 193-200	89
863	Irradiation treatment of pharmaceutical and personal care products (PPCPs) in water and wastewater: An overview. 2016 , 125, 56-64	221
862	Occurrence patterns of pharmaceutical residues in wastewater, surface water and groundwater of Nairobi and Kisumu city, Kenya. <i>Chemosphere</i> , 2016 , 149, 238-44	8.4 188
861	Pyrite as a sustainable catalyst in electro-Fenton process for improving oxidation of sulfamethazine. Kinetics, mechanism and toxicity assessment. 2016 , 94, 52-61	186
860	Antibiotic amoxicillin removal from aqueous solution using magnetically modified graphene nanoplatelets. 2016 , 36, 198-205	87

859	Kinetics and adsorption studies on the removal of levofloxacin using coconut coir charcoal impregnated with Al ₂ O ₃ nanoparticles. 2016 , 57, 23918-23926		10
858	Enhanced clofibric acid removal by activated carbons: Water hardness as a key parameter. 2016 , 286, 538-548		16
857	Role of humic substances in the degradation pathways and residual antibacterial activity during the photodecomposition of the antibiotic ciprofloxacin in water. 2016 , 94, 1-9		79
856	Comparative life cycle assessment (LCA) study of heterogeneous and homogenous Fenton processes for the treatment of pharmaceutical wastewater. 2016 , 124, 21-29		61
855	Membrane processes used for removal of pharmaceuticals, hormones, endocrine disruptors and their metabolites from wastewaters: a review. 2016 , 57, 24146-24175		25
854	Enhanced sulfamethoxazole degradation through ammonia oxidizing bacteria co-metabolism and fate of transformation products. 2016 , 94, 111-119		149
853	Overall adsorption rate of metronidazole, dimetridazole and diatrizoate on activated carbons prepared from coffee residues and almond shells. 2016 , 169, 116-25		69
852	Cerium doped red mud catalytic ozonation for bezafibrate degradation in wastewater: Efficiency, intermediates, and toxicity. <i>Chemosphere</i> , 2016 , 146, 22-31	8.4	35
851	Seasonal occurrence, removal, mass loading and environmental risk assessment of 55 pharmaceuticals and personal care products in a municipal wastewater treatment plant in Central Greece. 2016 , 543, 547-569		288
850	Comparative study of the effect of pharmaceutical additives on the elimination of antibiotic activity during the treatment of oxacillin in water by the photo-Fenton, TiO ₂ -photocatalysis and electrochemical processes. 2016 , 541, 1431-1438		58
849	A review on removal of pharmaceuticals from water by adsorption. 2016 , 57, 12842-12860		139
848	Degradation of ibuprofen by hydrodynamic cavitation: Reaction pathways and effect of operational parameters. 2016 , 29, 76-83		63
847	Photocatalytic transformation of the antipsychotic drug risperidone in aqueous media on reduced graphene oxide/TiO ₂ composites. 2016 , 183, 96-106		59
846	Comparison of route, mechanism and extent of treatment for the degradation of a β -lactam antibiotic by TiO ₂ photocatalysis, sonochemistry, electrochemistry and the photo-Fenton system. 2016 , 284, 953-962		75
845	Degradation of pharmaceuticals in wastewater using immobilized TiO ₂ photocatalysis under simulated solar irradiation. 2016 , 182, 132-141		200
844	Isotherm, kinetic, and thermodynamic equations for cefalexin removal from liquids using activated carbon synthesized from loofah sponge. 2016 , 57, 7933-7942		26
843	Comparison of the Efficiency of Adsorption, Ozonation, and Ozone/Activated Carbon Coupling for the Removal of Pharmaceuticals from Water. 2016 , 142, 04015074		11
842	A review of solar and visible light active TiO ₂ photocatalysis for treating bacteria, cyanotoxins and contaminants of emerging concern. 2016 , 42, 2-14		428

841	Removal of acetaminophen from the contaminated water using adsorption onto carbon activated with NH ₄ Cl. 2016 , 57, 12861-12873	43
840	Carbamazepine removal in three pilot-scale hybrid wetlands planted with ornamental species. 2017 , 98, 410-417	31
839	Progress in the biological and chemical treatment technologies for emerging contaminant removal from wastewater: A critical review. 2017 , 323, 274-298	617
838	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
837	Ozonation and UV radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. 2017 , 323, 434-441	139
836	Heterogeneous fenton and photo-fenton oxidation for paracetamol removal using iron containing ZSM-5 zeolite as catalyst. 2017 , 63, 669-679	32
835	Zn ²⁺ /Silica Modified Cobalt Ferrite Magnetic Nanostructured Composite for Efficient Adsorption of Cationic Pollutants from Water. 2017 , 5, 1280-1286	22
834	Structure-reactivity relationship in the degradation of three representative fluoroquinolone antibiotics in water by electrogenerated active chlorine. 2017 , 315, 552-561	41
833	Adsorption of non-steroidal anti-inflammatory drugs from aqueous solution using activated carbons: Review. 2017 , 190, 274-282	127
832	Removal of nitroimidazole antibiotics from water by adsorption over metal-organic frameworks modified with urea or melamine. 2017 , 315, 92-100	129
831	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
830	Sonocatalytic degradation coupled with single-walled carbon nanotubes for removal of ibuprofen and sulfamethoxazole. 2017 , 162, 300-308	40
829	Adsorption of quinolone, tetracycline, and penicillin antibiotics from aqueous solution using activated carbons: Review. 2017 , 50, 1-10	149
828	Removal of pharmaceuticals from municipal wastewaters at laboratory scale by treatment with activated sludge and biostimulation. 2017 , 584-585, 402-413	33
827	Rapid removal of salicylic acid, 4-nitroaniline, benzoic acid and phthalic acid from wastewater using magnetized fast pyrolysis biochar from waste Douglas fir. 2017 , 319, 75-88	88
826	Sludge electrooxidation as pre-treatment for anaerobic digestion. 2017 , 75, 775-781	8
825	Application of CWPO to the treatment of pharmaceutical emerging pollutants in different water matrices with a ferromagnetic catalyst. 2017 , 331, 45-54	51
824	Contribution of persulfate in UV-254 nm activated systems for complete degradation of chloramphenicol antibiotic in water. 2017 , 317, 1012-1025	182

823	Spectroelectrochemical study of acetylsalicylic acid in neutral medium and its quantification in clinical and environmental samples. 2017 , 233, 105-112		8
822	Photolytic and photocatalytic degradation of tandospirone: Determination of kinetics, identification of transformation products and in silico estimation of toxicity. 2017 , 590-591, 775-798		7
821	Removal of pharmaceuticals and unspecified contaminants in sewage treatment effluents by activated carbon filtration and ozonation: Evaluation using biomarker responses and chemical analysis. <i>Chemosphere</i> , 2017 , 176, 342-351	8.4	27
820	Enrichment of bacterial strains for the biodegradation of diclofenac and carbamazepine from activated sludge. 2017 , 120, 135-142		63
819	Application of ozonation for pharmaceuticals and personal care products removal from water. 2017 , 586, 265-283		240
818	Role of activated carbon surface chemistry in its photocatalytic activity and the generation of oxidant radicals under UV or solar radiation. 2017 , 207, 412-423		63
817	Direct and indirect electrochemical reduction prior to a biological treatment for dimetridazole removal. 2017 , 335, 10-17		28
816	Advanced Oxidation Processes based on the use of UVC and simulated solar radiation to remove the antibiotic tinidazole from water. 2017 , 323, 605-617		44
815	Treatment technologies for emerging contaminants in water: A review. 2017 , 323, 361-380		543
814	Optimization of UV/H ₂ O ₂ processes for the removal of organic micropollutants from drinking water: effect of reactor geometry and water pretreatment on EEO values. 2017 , 17, 508-518		4
813	Weak polyelectrolyte multilayers as tunable separation layers for micro-pollutant removal by hollow fiber nanofiltration membranes. 2017 , 537, 220-228		57
812	Electrochemical oxidation of anesthetic tetracaine in aqueous medium. Influence of the anode and matrix composition. 2017 , 326, 811-819		31
811	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. 2017 , 596-597, 465-480		66
810	Emerging pollutant treatments in wastewater: Cases of antibiotics and hormones. 2017 , 52, 235-253		29
809	Sonolysis and sono-Fenton oxidation for removal of ibuprofen in (waste)water. 2017 , 39, 889-896		76
808	Guidelines for rational design of high-performance adsorbents: A case study of zeolite adsorbents for emerging pollutants in water. 2017 , 2, 363-369		8
807	Temporal and spatial features of selected wastewater-marking pharmaceuticals and potential mechanisms of their removal from urban rivers. 2017 , 24, 15712-15726		2
806	Comparative Evaluation of Photo-Chemical AOPs for Ciprofloxacin Degradation: Elimination in Natural Waters and Analysis of pH Effect, Primary Degradation By-Products, and the Relationship with the Antibiotic Activity. 2017 , 228, 1		20

805	Removal of metoprolol from water by sepiolite-supported nanoscale zero-valent iron. 2017 , 5, 3490-3499	21
804	Oxidative degradation of sulfanilamide catalyzed by Fe/Cu/Al-pillared clays. 2017 , 146, 92-99	24
803	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
802	Pharmaceuticals removal by activated carbons: Role of morphology on cyclic thermal regeneration. 2017 , 321, 233-244	78
801	Aqueous tetracycline degradation by coal-based carbon electrocatalytic filtration membrane: Effect of nano antimony-doped tin dioxide coating. 2017 , 314, 59-68	88
800	Removal of emerging contaminant and fouling control in membrane bioreactors by combined ozonation and sonolysis. 2017 , 119, 577-586	41
799	A coupled ozonation-electrooxidation treatment for removal of bisphenol A, nonylphenol and triclosan from wastewater sludge. 2017 , 14, 707-716	16
798	Elucidation of background organic matter matrix effect on photocatalytic treatment of contaminants using TiO ₂ : A review. 2017 , 284, 202-214	77
797	Biodegradation of atenolol by an enriched nitrifying sludge: Products and pathways. 2017 , 312, 351-359	33
796	Selecting the best AOP for isoxazolyl penicillins degradation as a function of water characteristics: Effects of pH, chemical nature of additives and pollutant concentration. 2017 , 190, 72-79	30
795	Determination of pharmaceutical residues and assessment of their removal efficiency at the Daugavgriva municipal wastewater treatment plant in Riga, Latvia. 2017 , 75, 387-396	13
794	Photodegradation of sulfamethazine, sulfamethoxypyridazine, amitriptyline, and clomipramine drugs in aqueous media. 2017 , 336, 176-182	32
793	Ultimate use of Cork: Unorthodox and innovative applications. 2017 , 29, 65-72	6
792	Psychoactive drugs: occurrence in aquatic environment, analytical methods, and ecotoxicity-a review. 2017 , 24, 24076-24091	38
791	Analysis of macrolide antibiotics in water by magnetic solid-phase extraction and liquid chromatography-tandem mass spectrometry. 2017 , 146, 79-85	24
790	Novel functionalized metal-organic framework MIL-101 adsorbent for capturing oxytetracycline. 2017 , 727, 114-122	39
789	Treatment of hospital wastewater through the CWPO-Photoassisted process catalyzed by ilmenite. 2017 , 5, 4337-4343	23
788	Removal of Diclofenac, Ketoprofen, and Carbamazepine from Simulated Drinking Water by Advanced Oxidation in a Model Reactor. 2017 , 228, 1	14

787	Mesostructured ZnO/Au nanoparticle composites with enhanced photocatalytic activity. 2017 , 128, 65-70	12
786	Negative environmental impacts of antibiotic-contaminated effluents from pharmaceutical industries. 2017 , 126, 79-87	135
785	Occurrence and attenuation of pharmaceuticals and their transformation products in rivers impacted by sewage treatment plants. 2017 , 7, 40905-40913	8
784	Degradation of anti-inflammatory drug diclofenac in sewage water. 2017 , 10, 1-5	1
783	Visible light driven photocatalytic degradation of fluoroquinolone levofloxacin drug using Ag ₂ O/TiO ₂ quantum dots: a mechanistic study and degradation pathway. 2017 , 41, 12079-12090	47
782	Development of a semi-quantitative risk assessment model for evaluating environmental threat posed by the three first EU watch-list pharmaceuticals to urban wastewater treatment plants: An Irish case study. 2017 , 603-604, 627-638	20
781	Removal of pharmaceutical from water with an electrocoagulation process; effect of various parameters and studies of isotherm and kinetic. 2017 , 188, 266-281	59
780	Adsorption of anti-inflammatory nimesulide by graphene materials: a combined theoretical and experimental study. 2017 , 19, 22099-22110	22
779	An environmentally friendly electrochemical reactor for the degradation of organic pollutants in the total absence of a liquid electrolyte: A case study using diclofenac as a model pollutant. 2017 , 5, 3873-3881	3
778	The fate of sotalol in aqueous chlorination: Kinetics, mechanisms and ecotoxicity assessment. 2017 , 145, 214-220	8
777	Impact of ciprofloxacin, carbamazepine and ibuprofen on a membrane bioreactor system: Kinetic study and biodegradation capacity. 2017 , 92, 2944-2951	12
776	Photodegradation of Diclofenac Sodium Salt in Water Solution: Effect of HA, NO ₃ ⁻ and TiO ₂ on Photolysis Performance. 2017 , 228, 1	23
775	Nonsacrificial Template Synthesis of Magnetic-Based Yolk-Shell Nanostructures for the Removal of Acetaminophen in Fenton-like Systems. 2017 , 9, 28508-28518	48
774	Innovative SPE-LC-MS/MS technique for the assessment of 63 pharmaceuticals and the detection of antibiotic-resistant-bacteria: A case study natural water sources in Lebanon. 2017 , 609, 830-841	43
773	Removal of micropollutants from Sakarya River water by ozone and membrane processes. 2017 , 189, 438	2
772	Distinguishing the roles of carrier and biofilm in filtering media for the removal of pharmaceutical compounds from wastewater. 2017 , 111, 462-474	5
771	Bacterial Treatment of Pharmaceutical Industry Effluents. 2017 , 175-187	3
770	Rapid and Efficient Removal of Carbamazepine from Water by UiO-67. 2017 , 56, 15122-15130	34

769	Examining the Use of Nanocellulose Composites for the Sorption of Contaminants of Emerging Concern: An Experimental and Computational Study. 2017 , 2, 7714-7722	17
768	Overview of Pharmaceutical Products as Emerging Pollutants. 2017 , 57-101	1
767	Therapeutic Classes of PCs in the Environment. 2017 , 103-166	
766	Optimization of radiolytic degradation of sulfadiazine by combining Fenton and gamma irradiation processes. 2017 , 314, 2597-2607	11
765	Spatial and seasonal analysis of antimicrobials and toxicity tests with <i>Daphnia magna</i> , on the sub-basin of Piracicaba river, SP, Brazil. 2017 , 5, 6070-6076	7
764	Removal of Antibiotics from Water by Adsorption/Biosorption on Adsorbents from Different Raw Materials. 2017 , 139-204	2
763	Occurrence and behavior of selected pharmaceuticals during riverbank filtration in The Republic of Serbia. 2017 , 24, 2075-2088	23
762	Electrochemical mineralization of cephalexin using a conductive diamond anode: A mechanistic and toxicity investigation. <i>Chemosphere</i> , 2017 , 168, 638-647	8.4 34
761	Do pharmaceuticals reach and affect the aquatic ecosystems in Brazil? A critical review of current studies in a developing country. 2017 , 24, 1200-1218	50
760	From illite/smectite clay to mesoporous silicate adsorbent for efficient removal of chlortetracycline from water. 2017 , 51, 31-43	26
759	Preparation, characterization and catalytic activity of a novel mesoporous nanocrystalline MgO nanoparticle for ozonation of acetaminophen as an emerging water contaminant. 2017 , 310, 157-169	107
758	Monitoring, sources, receptors, and control measures for three European Union watch list substances of emerging concern in receiving waters - A 20year systematic review. 2017 , 574, 1140-1163	118
757	Metabolomic responses to sublethal contaminant exposure in neonate and adult <i>Daphnia magna</i> . 2017 , 36, 938-946	34
756	Photolytic and photocatalytic degradation of the antipsychotic agent tiapride: Kinetics, transformation pathways and computational toxicity assessment. 2017 , 321, 841-858	6
755	Studies on photodegradation process of psychotropic drugs: a review. 2017 , 24, 1152-1199	62
754	Preparation of Fe ₂ O ₃ modified kaolin and application in heterogeneous electro-catalytic oxidation of enoxacin. 2017 , 200, 361-371	60
753	Rejection of trace pharmaceutically active compounds present in municipal wastewaters using ceramic fine ultrafiltration membranes: Effect of feed solution pH and fouling phenomena. 2017 , 175, 58-71	47
752	Photocatalytic degradation of ibuprofen using TiO ₂ sensitized by Ru(II) polypyridyl complexes. 2017 , 16, 31-37	18

751	Degradation of tetracycline antibiotics by advanced oxidation processes: application of MnO ₂ nanomaterials. 2017 , 2, 32-42	5
750	Activated Carbon, Carbon Nanotubes and Graphene: Materials and Composites for Advanced Water Purification. 2017 , 3, 18	86
749	Chiral Analysis of Pesticides and Drugs of Environmental Concern: Biodegradation and Enantiomeric Fraction. 2017 , 9, 196	30
748	Vibrio Pathogens: A Public Health Concern in Rural Water Resources in Sub-Saharan Africa. 2017 , 14,	46
747	Preparation of Cu x O/C composite derived from Cu-MOFs as Fenton-like catalyst by two-step calcination strategy. 2018 , 29, 1331-1338	23
746	Ciprofloxacin degradation in anaerobic sulfate-reducing bacteria (SRB) sludge system: Mechanism and pathways. 2018 , 136, 64-74	74
745	Water Security in a Changing World. 2018 , 91-115	
744	Degradation of fluoroquinolone antibiotics during ionizing radiation treatment and assessment of antibacterial activity, toxicity and biodegradability of the products. 2018 , 147, 101-105	26
743	Volta Potential Evolution of Intermetallics in Aluminum Alloy Microstructure Under Thin Aqueous Adlayers: A combined DFT and Experimental Study. 2018 , 61, 1169-1182	22
742	Pharmaceutical products as emerging contaminant in water: relevance for developing nations and identification of critical compounds for Indian environment. 2018 , 190, 288	34
741	Individual and simultaneous degradation of the antibiotics sulfamethoxazole and trimethoprim in aqueous solutions by Fenton, Fenton-like and photo-Fenton processes using solar and UV radiations. 2018 , 360, 95-108	39
740	Studies of black silicon and black diamond as materials for antibacterial surfaces. 2018 , 6, 1424-1432	43
739	Pyrene biodegradation and proteomic analysis in Achromobacter xylosoxidans, PY4 strain. 2018 , 130, 40-47	51
738	Remediation of pharmaceutical contaminated water by use of magnetic functionalized metal organic framework. Physicochemical study of doxycycline adsorption. 2018 , 32, 422-432	12
737	Role of non-ion surfactants in three-dimensional ordered porous biomass carbon foam derived from the liquefied eucalyptus sawdust for metronidazole adsorption. 2018 , 93, 3044-3055	8
736	Review on synthesis of 3D graphene-based configurations and their adsorption performance for hazardous water pollutants. 2018 , 116, 262-286	77
735	Nanomaterials for treating emerging contaminants in water by adsorption and photocatalysis: Systematic review and bibliometric analysis. 2018 , 627, 1253-1263	156
734	Uptake and metabolism of the antidepressants sertraline, clomipramine, and trazodone in a garden cress (<i>Lepidium sativum</i>) model. 2018 , 39, 1301-1308	11

733	Toxicity of Diclofenac in the Fern <i>Azolla filiculoides</i> and the Lichen <i>Xanthoria parietina</i> . 2018 , 100, 430-437		11
732	Sorption and biodegradation of pharmaceuticals in aerobic activated sludge system: A combined experimental and theoretical mechanistic study. 2018 , 342, 211-219		56
731	One-pot hydrothermal synthesis of g-C ₃ N ₄ /Ag/AgCl/BiVO ₄ micro-flower composite for the visible light degradation of ibuprofen. 2018 , 341, 248-261		72
730	Occurrence and fate of emerging contaminants in municipal wastewater treatment plants from different geographical regions-a review. 2018 , 133, 182-207		690
729	Treatment Technologies for Emerging Organic Contaminants Removal from Wastewater. 2018 , 91-115		13
728	Pemetrexed degradation by photocatalytic process: Kinetics, identification of transformation products and estimation of toxicity. 2018 , 624, 1082-1094		7
727	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
726	Degradation of Acetaminophen in Aqueous Media by H ₂ O ₂ Assisted Gamma Irradiation Process. 2018 , 232, 545-558		5
725	Enzymes in removal of pharmaceuticals from wastewater: A critical review of challenges, applications and screening methods for their selection. <i>Chemosphere</i> , 2018 , 205, 649-661	8.4	50
724	Adsorption mechanism of emerging and conventional phenolic compounds on graphene oxide nanoflakes in water. 2018 , 635, 629-638		63
723	Assessment of carbon monoxide formation in Fenton oxidation process: The critical role of pollutant nature and operating conditions. 2018 , 232, 55-59		14
722	Paper pulp-based adsorbents for the removal of pharmaceuticals from wastewater: A novel approach towards diversification. 2018 , 631-632, 1018-1028		22
721	Adsorptive removal of wide range of pharmaceutical and personal care products from water by using metal azolate framework-6-derived porous carbon. 2018 , 343, 447-454		92
720	Treatment processes for municipal wastewater reclamation: The challenges of emerging contaminants and direct potable reuse. 2018 , 2, 46-54		36
719	Screening and risk management solutions for steroidal estrogens in surface and wastewater. 2018 , 102, 343-358		46
718	Enhanced pharmaceutical removal from water in a three step bio-ozone-bio process. 2018 , 138, 97-105		32
717	Micro-sized TiO ₂ as photoactive catalyst coated on industrial porcelain gr \ddot{u} tiles to photodegrade drugs in water. 2018 , 25, 20348-20353		11
716	Photocatalytic degradation behavior of multiple xenobiotics using MOCVD synthesized ZnO nanowires. 2018 , 306, 215-222		28

715	Adsorptive removal of artificial sweeteners from water using porous carbons derived from metal azolate framework-6. 2018 , 260, 1-8		43
714	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. 2018 , 5, 27-47		162
713	Removal of organic micropollutants in waste stabilisation ponds: A review. 2018 , 206, 202-214		60
712	Electrochemical Fenton-based treatment of tetracaine in synthetic and urban wastewater using active and non-active anodes. 2018 , 128, 71-81		66
711	Hydrophobic networked PbO electrode for electrochemical oxidation of paracetamol drug and degradation mechanism kinetics. <i>Chemosphere</i> , 2018 , 193, 89-99	8.4	49
710	Preparation and characterization of a PVA/PSf thin film composite membrane after incorporation of PSSMA into a selective layer and its application for pharmaceutical removal. 2018 , 192, 5-14		19
709	Heterogeneous photocatalytic degradation of ibuprofen in ultrapure water, municipal and pharmaceutical industry wastewaters using a TiO ₂ /UV-LED system. 2018 , 334, 976-984		176
708	In situ polymerization synthesis of Z-scheme tungsten trioxide/polyimide photocatalyst with enhanced visible-light photocatalytic activity. 2018 , 428, 1130-1140		26
707	Adsorption of antipyrine by activated carbons from FeCl ₃ -activation of Tara gum. 2018 , 333, 58-65		64
706	Chlorination, chloramination and ozonation of carbamazepine enhance cytotoxicity and genotoxicity: Multi-endpoint evaluation and identification of its genotoxic transformation products. 2018 , 342, 679-688		21
705	Synthesis of poly(acrylonitrile-co-divinylbenzene-co-vinylbenzyl chloride)-derived hypercrosslinked polymer microspheres and a preliminary evaluation of their potential for the solid-phase capture of pharmaceuticals. 2018 , 135, 45677		11
704	Evaluation of EOC removal processes during artificial recharge through a reactive barrier. 2018 , 612, 985-994		17
703	Removal of hazardous non-steroidal anti-inflammatory drugs from aqueous solutions by biosorbent based on chitin and lignin. 2018 , 612, 1223-1233		33
702	Removal of emerging pharmaceutical contaminants by adsorption in a fixed-bed column: A review. 2018 , 149, 257-266		142
701	Removal of emerging contaminants from the environment by adsorption. 2018 , 150, 1-17		443
700	Electrochemical oxidation of key pharmaceuticals using a boron doped diamond electrode. 2018 , 195, 184-191		60
699	Biotransformation of emerging pollutants in groundwater by laccase from <i>P. sanguineus</i> CS43 immobilized onto titania nanoparticles. 2018 , 6, 710-717		36
698	Degradation of ciprofloxacin using Fenton's oxidation: Effect of operating parameters, identification of oxidized by-products and toxicity assessment. <i>Chemosphere</i> , 2018 , 193, 1181-1188	8.4	70

697	Assessment of Pharmaceuticals, Personal Care Products, and Hormones in Wastewater Treatment Plants Receiving Inflows from Health Facilities in North West Province, South Africa. 2018 , 2018, 3751930	35
696	Bismuth titanate modified and immobilized TiO ₂ photocatalysts for water purification: broad pollutant scope, ease of re-use and mechanistic studies. 2018 , 4, 2170-2178	8
695	An approach to apply eco-friendly subcritical water oxidation method in the mineralization of the antibiotic ampicillin. 2018 , 6, 7132-7137	21
694	Environmental Photocatalysis/Photocatalytic Decontamination. 2018 , 1-16	1
693	Synthesis of Zeolite from Carbothermal Reduction Electrolytic Manganese Residue for the Removal of Macrolide Antibiotics from Aqueous Solution. 2018 , 11,	4
692	PPCP Monitoring in Drinking Water Supply Systems: The Example of Křanř Waterworks in Central Bohemia. 2018 , 10, 1852	5
691	Optimization of ciprofloxacin degradation in wastewater by homogeneous sono-Fenton process at high frequency. 2018 , 53, 1139-1148	15
690	A Review on the Synthesis and Characterization of Biomass-Derived Carbons for Adsorption of Emerging Contaminants from Water. 2018 , 4, 63	46
689	Optimization of a dispersive liquid-liquid microextraction method followed by UHPLC analysis for fluoxetine quantification in environmental water resources. 2018 , 41, 4246-4252	1
688	Wastewater chemical contaminants: remediation by advanced oxidation processes. 2018 , 17, 1573-1598	72
687	Semiconductor Eco-Materials for Water Treatment. 2018 , 1-27	1
686	Heterogeneous Fenton oxidation using Fe-ZSM5 catalyst for removal of ibuprofen in wastewater. 2018 , 6, 5920-5928	43
685	Experimental and QSAR studies on adsorptive interaction of anionic nonsteroidal anti-inflammatory drugs with activated charcoal. <i>Chemosphere</i> , 2018 , 212, 620-628	8.4 6
684	Algal Biomass from Wastewater and Flue Gases as a Source of Bioenergy. 2018 , 11, 664	44
683	Analytical techniques for the determination of acetaminophen: A review. 2018 , 108, 122-134	41
682	Separating powdered activated carbon (PAC) from wastewater ─ Technical process options and assessment of removal efficiency. 2018 , 6, 5744-5762	20
681	A comparative study of the common persulfate activation techniques for the complete degradation of an NSAID: The case of ketoprofen. 2018 , 350, 395-410	96
680	Trace organic chemical pollutants from the lake waters of San Pablo City, Philippines by targeted and non-targeted analysis. 2018 , 639, 588-595	11

679	Multi-barrier approach for removing organic micropollutants using mobile water treatment systems. 2018 , 639, 331-338	11
678	Impact of biofilter operation on microbial community structure and performance. 2018 , 24, 35-41	17
677	Degradation of ticarcillin by subcritical water oxidation method: Application of response surface methodology and artificial neural network modeling. 2018 , 53, 975-985	24
676	Electrodialytic 2-compartment cells for emerging organic contaminants removal from effluent. 2018 , 358, 467-474	10
675	ESI and APCI LC-MS/MS in Model Investigations on the Absorption and Transformation of Organic Xenobiotics by Poplar Plants (<i>Populus alba</i> L.). 2018 , 79, 241-266	1
674	Removal of ciprofloxacin hydrochloride from aqueous solution using vertical bed and sequential bed columns. 2018 , 6, 4391-4398	7
673	Effective adsorption of ciprofloxacin hydrochloride from aqueous solutions using metal-organic framework. 2018 , 53, 2826-2832	27
672	Degradation of prednisone in aqueous solutions by electron beam irradiation. 2018 , 317, 747-756	1
671	Preparation and characterization of a nanoclay/PVA/PSf nanocomposite membrane for removal of pharmaceuticals from water. 2018 , 162, 326-338	31
670	Electrochemical detection and removal of pharmaceuticals in waste waters. 2018 , 11, 1-11	26
669	Preparation and characterization of MnS/chitosan-sodium alginate and calcium alginate nanocomposites for degradation of analgesic drug: Photocorrosion, mechanical, antimicrobial and antioxidant properties studies. 2018 , 118, 1494-1500	29
668	Emerging investigators series: occurrence and fate of emerging organic contaminants in wastewater treatment plants with an enhanced nitrification step. 2018 , 4, 1412-1426	18
667	Assessment of ¹⁴ C-sulfadiazine on <i>Danio rerio</i> (zebrafish). 2018 , 318, 1001-1008	3
666	Chloroperoxidase-Mediated Halogenation of Selected Pharmaceutical Micropollutants. 2018 , 8, 32	11
665	Visible light-induced degradation of sulfa drugs on pure TiO ₂ through ligand-to-metal charge transfer. 2018 , 203, 242-250	16
664	Removal Processes of Pharmaceuticals in Constructed Wetlands. 2018 , 343-403	2
663	In-Vivo NMR Spectroscopy: A Powerful and Complimentary Tool for Understanding Environmental Toxicity. 2018 , 8,	32
662	Photolytic and photocatalytic transformation of an antipsychotic drug asenapine: Comparison of kinetics, identification of transformation products, and in silico estimation of their properties. 2018 , 162, 272-286	3

661	Fabrication of floating CdS/EP photocatalyst by facile liquid phase deposition for highly efficient degradation of Rhodamine B (RhB) under visible light irradiation. 2018 , 83, 201-210		22
660	Systematic screening and identification of the chlorinated transformation products of aromatic pharmaceuticals and personal care products using high-resolution mass spectrometry. 2018 , 637-638, 253-263		14
659	Cork wastewater purification in a cooperative flocculation/adsorption process with microwave-regenerated activated carbon. 2018 , 360, 412-419		18
658	Effects of pharmaceuticals on microbial communities and activity of soil enzymes in mesocosm-scale constructed wetlands. <i>Chemosphere</i> , 2018 , 212, 245-253	8.4	17
657	Selection of performance reference compound (PRC) for passive sampling of pharmaceutical residues in an effluent dominated river. <i>Chemosphere</i> , 2018 , 211, 884-892	8.4	12
656	Adsorptive removal of emerging pollutants from groundwater by using modified titanate nanotubes. 2018 , 6, 5332-5340		11
655	Highly Effective Removal of Nonsteroidal Anti-inflammatory Pharmaceuticals from Water by Zr(IV)-Based Metal-Organic Framework: Adsorption Performance and Mechanisms. 2018 , 10, 28076-28085		98
654	Adsorptive interaction of cationic pharmaceuticals on activated charcoal: Experimental determination and QSAR modelling. 2018 , 360, 529-535		19
653	Pharmaceuticals residues in selected tropical surface water bodies from Selangor (Malaysia): Occurrence and potential risk assessments. 2018 , 642, 230-240		70
652	Synthesis of Novel Periodic Mesoporous Organosilicas Containing 1,4,5,8-Naphthalenediimides within the Pore Walls and Their Reduction To Generate Wall-Embedded Free Radicals. 2018 , 34, 8195-8204		9
651	Photocatalytic degradation of metformin and amoxicillin in synthetic hospital wastewater: effect of classical parameters. 2019 , 16, 5463-5474		19
650	Application of experimental design methodology to optimize antibiotics removal by walnut shell based activated carbon. 2019 , 646, 168-176		54
649	Antibiotics mineralization by electrochemical and UV-based hybrid processes: evaluation of the synergistic effect. 2019 , 40, 3456-3466		9
648	Toxicological Aspects of Emerging Contaminants. 2019 , 33-58		1
647	Adsorptive removal of endocrine-disrupting compounds and a pharmaceutical using activated charcoal from aqueous solution: kinetics, equilibrium, and mechanism studies. 2019 , 26, 33897-33905		17
646	Photocatalytic Degradation of Pharmaceuticals Using Graphene Based Materials. 2019 , 187-208		0
645	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
644	A comprehensive review on state-of-the-art photo-, sono-, and sonophotocatalytic treatments to degrade emerging contaminants. 2019 , 16, 601-628		45

643	Assessment of 83 pharmaceuticals in WWTP influent and effluent samples by UHPLC-MS/MS: Hourly variation. 2019 , 648, 582-600	93
642	Photocatalysis and biodegradation of pharmaceuticals in wastewater: effect of abiotic and biotic factors. 2019 , 21, 1701-1721	14
641	Performance evaluation of different advanced processes for treating chloro-pesticide intermediate industrial wastewater. 2019 , 5, 1833-1846	3
640	FUNCTIONALIZED GRAPHENE-BASED MATERIALS AS INNOVATIVE ADSORBENTS OF ORGANIC POLLUTANTS: A CONCISE OVERVIEW. 2019 , 36, 1-31	34
639	Degradation of propranolol by UV-activated persulfate oxidation: Reaction kinetics, mechanisms, reactive sites, transformation pathways and Gaussian calculation. 2019 , 690, 878-890	42
638	Current trends in the use of zero-valent iron (Fe ⁰) for degradation of pharmaceuticals present in different water matrices. 2019 , 24, e00069	21
637	One-Pot Synthesized Visible Light-Driven BiOCl/AgCl/BiVO n-p Heterojunction for Photocatalytic Degradation of Pharmaceutical Pollutants. 2019 , 12,	3
636	Effects of Microbiological and Non-Microbiological Treatments of Sewage Sludge on Antibiotics as Emerging Pollutants Present in Wastewater. 2019 , 1-17	7
635	On the role of review papers in the face of escalating publication rates - a case study of research on contaminants of emerging concern (CECs). 2019 , 131, 104960	4
634	Removal of selected pharmaceuticals from aqueous matrices with activated carbon under flow conditions. 2019 , 150, 104079	2
633	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
632	Application of Photocatalytic Falling Film Reactor to Elucidate the Degradation Pathways of Pharmaceutical Diclofenac and Ibuprofen in Aqueous Solutions. 2019 , 9, 465	17
631	Oxidation of emerging biocides and antibiotics in wastewater by ozonation and the electro-peroxone process. <i>Chemosphere</i> , 2019 , 235, 575-585	8.4 41
630	Advanced oxidation process based on water radiolysis to degrade and mineralize diclofenac in aqueous solutions. 2019 , 688, 708-717	11
629	Preparation of Iron-Loaded Granular Activated Carbon Catalyst and Its Application in Tetracycline Antibiotic Removal from Aqueous Solution. 2019 , 16,	12
628	Effect of alpha-hydroxy acids on transformation products formation and degradation mechanisms of carbamazepine by UV/HO process. 2019 , 689, 70-78	17
627	Nontarget analysis: A new tool for the evaluation of wastewater processes. 2019 , 163, 114842	16
626	Combined electrochemical-advanced oxidation and enzymatic process for treatment of wastewater containing emerging organic contaminants. 2019 , 277-307	3

625	Biomonitoring, physico-chemical, and biomarker evaluations of abattoir effluent discharges into the Ogun River from Kara Market, Ogun State, Nigeria, using <i>Clarias gariepinus</i> . 2018 , 191, 44		10
624	Photocatalytic Degradation of Selected Pharmaceuticals Using g-CN and TiO Nanomaterials. 2019 , 9,		23
623	Biohybrid Electrospun Membrane for the Filtration of Ketoprofen Drug from Water. 2019 , 4, 13270-13278		16
622	Biosorption of pharmaceutical products by mushroom stem waste. <i>Chemosphere</i> , 2019 , 237, 124515	8.4	20
621	Adsorption and oxidation of ciprofloxacin in a fixed bed column using activated sludge derived activated carbon. 2019 , 250, 109474		22
620	Modeling and optimization of fixed mode dual effect (photocatalysis and photo-Fenton) assisted Metronidazole degradation using ANN coupled with genetic algorithm. 2019 , 250, 109428		14
619	On Piroxicam degradation by homogeneous Fenton [®] reaction and the influence of iron cations complexation. 2019 , 28, 82-87		1
618	Landfill leachate treatment using combined fish scales based activated carbon and solar advanced oxidation processes. 2019 , 123, 253-262		8
617	Evaluation of diclofenac biodegradation by the ascomycete fungus <i>Penicillium oxalicum</i> at flask and bench bioreactor scales. 2019 , 662, 607-614		27
616	An overview of recent progress on noble metal modified magnetic Fe ₃ O ₄ for photocatalytic pollutant degradation and H ₂ evolution. 2019 , 9, 916-941		60
615	Removal of contaminants of emerging concern from urban wastewater in novel algal-bacterial photobioreactors. 2019 , 662, 32-40		45
614	Removal of Ranitidine from Pharmaceutical Waste Water Using Activated Carbon (AC) Prepared from Waste Lemon Peel. 2019 , 123-141		4
613	A Review on Various Thermochemical Technologies for Resource Recovery from Sewage Sludge. 2019 , 1-17		
612	Surface water pollution by pharmaceuticals and an alternative of removal by low-cost adsorbents: A review. <i>Chemosphere</i> , 2019 , 222, 766-780	8.4	211
611	Understanding the interactions between ranitidine and magadiite: Influence of the interlayer cation. <i>Chemosphere</i> , 2019 , 222, 980-990	8.4	13
610	From Priority Contaminants to Emerged Threat: Risk and Occurrence-Based Analysis for Better Water Management Strategies in Present and Future. 2019 , 41-103		0
609	Effective adsorption of sulfamethoxazole by novel Organo-Vts and their mechanistic insights. 2019 , 286, 36-44		21
608	Photocatalytic activity of solvothermal prepared BiOClBr with imidazolium ionic liquids as a halogen sources in cytostatic drugs removal. 2019 , 382, 111932		9

607	Droplet flow-assisted heterogeneous electro-Fenton reactor for degradation of beta-blockers: response surface optimization, and mechanism elucidation. 2019 , 26, 14313-14327	7
606	Sensing of Water Contaminants: From Traditional to Modern Strategies Based on Nanotechnology. 2019 , 109-150	3
605	Qualitative and quantitative use of micropollutants as source and process indicators. A review. 2019 , 686, 75-89	25
604	Design of ZIF(Co & Zn)@wool composite for efficient removal of pharmaceutical intermediate from wastewater. 2019 , 552, 494-505	63
603	A filtration optimized on-line SPEHPLC/MS/MS method for determination of three macrolide antibiotics dissolved and bound to suspended solids in surface water. 2019 , 148, 480-492	7
602	Carbon composite membrane derived from MIL-125-NH MOF for the enhanced extraction of emerging pollutants. <i>Chemosphere</i> , 2019 , 231, 510-517	8.4 15
601	Occurrence and potential human health risk of pharmaceutical residues in drinking water from Putrajaya (Malaysia). 2019 , 180, 549-556	39
600	Absolute removal of ciprofloxacin and its degraded byproducts in aqueous solution using an efficient electrochemical oxidation process coupled with adsorption treatment technique. 2019 , 245, 409-417	16
599	Development and application of relevance and reliability criteria for water treatment removal efficiencies of chemicals of emerging concern. 2019 , 161, 274-287	17
598	Long-term sorption of lincomycin to biochars: The intertwined roles of pore diffusion and dissolved organic carbon. 2019 , 161, 108-118	19
597	Adsorptive removal of nitroimidazole antibiotics from water using porous carbons derived from melamine-loaded MAF-6. 2019 , 378, 120761	25
596	Electro-oxidation of amoxicillin trihydrate in continuous reactor by Ti/RuO anode. 2019 , 677, 84-97	34
595	Occurrence of selected pharmaceuticals in wastewater treatment plants of Tuscany: An effect-based approach to evaluate the potential environmental impact. 2019 , 222, 717-725	40
594	Adsorbents and removal strategies of non-steroidal anti-inflammatory drugs from contaminated water bodies. 2019 , 7, 103142	47
593	Effect of Different Radiation Sources and Noble Metal Doped onto TiO ₂ for Contaminants of Emerging Concern Removal. 2019 , 11, 894	6
592	Removal of pharmaceutical drugs from binary mixtures by use of ZnO nanoparticles. 2019 , 15, 100392	16
591	TiO ₂ Nanostructures for Photoelectrocatalytic Degradation of Acetaminophen. 2019 , 9,	8
590	Simultaneous determination of multiresidue and multiclass emerging contaminants in waters by rotating-disk sorptive extraction-derivatization-gas chromatography/mass spectrometry. 2019 , 201, 480-489	35

589	Mixed Ti-Zr metal-organic-frameworks for the photodegradation of acetaminophen under solar irradiation. 2019 , 253, 253-262	75
588	Nanotechnology in Decontamination. 2019 , 119-137	1
587	Pharmaceuticals of Emerging Concern in Aquatic Systems: Chemistry, Occurrence, Effects, and Removal Methods. 2019 , 119, 3510-3673	679
586	Visible-light driven catalytic activity of two novel Cu(II) and Ni(II) titanium niobates. 2019 , 7, 103065	4
585	Techno-economic evaluation and comparison of PAC-MBR and ozonation-UV revamping for organic micro-pollutants removal from urban reclaimed wastewater. 2019 , 671, 288-298	23
584	An enhanced beta-blockers degradation method using copper-boron-ferrite supported graphite electrodes and continuous droplet flow-assisted electro-Fenton reactor. 2019 , 221, 408-420	10
583	Theoretical environmental risk assessment of ten used pharmaceuticals in Belo Horizonte, Brazil. 2019 , 191, 275	8
582	Utilizing low-cost natural waste for the removal of pharmaceuticals from water: Mechanisms, isotherms and kinetics at low concentrations. 2019 , 227, 88-97	46
581	Semiconductor Eco-materials for Water Treatment. 2019 , 413-439	
580	A parsimonious transport model of emerging contaminants at the river network scale. 2019 , 23, 573-593	2
579	Triclosan photolysis: operating condition study and photo-oxidation pathway. 2019 , 377, 121045	27
578	Rapid thermal-acid hydrolysis of spiramycin by silicotungstic acid under microwave irradiation. 2019 , 249, 36-44	5
577	Emerging pollutants in the urban water cycle in Latin America: A review of the current literature. 2019 , 237, 408-423	125
576	Radiation induced degradation of ciprofloxacin and norfloxacin: Kinetics and product analysis. 2019 , 158, 68-75	21
575	Predictive Computational Tools for Assessment of Ecotoxicological Activity of Organic Micropollutants in Various Water Sources in Brazil. 2019 , 38, e1800156	5
574	Facile preparation of BiVO ₄ thin film by screen-printing technique for its photocatalytic performance in the degradation of tetracycline under simulated sunlight irradiation. 2019 , 45, 2855-2867	5
573	Degradation of metronidazole by UV/chlorine treatment: Efficiency, mechanism, pathways and DBPs formation. <i>Chemosphere</i> , 2019 , 224, 228-236	8.4 34
572	Comprehensive analysis on sorptive uptake of enrofloxacin by activated carbon derived from industrial paper sludge. 2019 , 665, 438-452	42

571	Solar Water Detoxification. 2019 , 341-351	1
570	Contaminants of Emerging Concern: Occurrence, Fate, and Remediation. 2019 , 67-114	10
569	Pharmaceutical emerging pollutants removal from water using powdered activated carbon: Study of kinetics and adsorption equilibrium. 2019 , 236, 301-308	81
568	Spectrophotometry and spectrofluorimetry to analyze the destruction of pharmaceuticals during wastewater treatment by enhanced oxidation. 2019 , 390, 012005	
567	Adsorption of Ciprofloxacin from Aqueous Environment by Using Synthesized Nanoceria. 2019 , 26, 299-311	8
566	Diffusion of Multiwall Carbon Nanotubes into Industrial Polymers. 2019 , 23, 213-221	
565	Synergetic effect of dual co-catalysts on the activity of BiVO for photocatalytic carbamazepine degradation.. 2019 , 9, 41977-41983	7
564	Promutagenicity of 8-Chloroguanine, A Major Inflammation-Induced Halogenated DNA Lesion. 2019 , 24,	15
563	Electronic Tongue Coupled to an Electrochemical Flow Reactor for Emerging Organic Contaminants Real Time Monitoring. 2019 , 19,	9
562	Removal of ibuprofen from aqueous solutions by adsorption on tiny zinc oxide sheet-like structure. 2019 ,	1
561	Oxidation of Flame Retardant Tetrabromobisphenol A by a Biocatalytic Nanofiber of Chloroperoxidase. 2019 , 16,	6
560	Veterinary pharmaceutical residues from natural water to tap water: Sales, occurrence and fate. 2019 , 361, 169-186	134
559	Socio-economic impacts of the pharmaceuticals detection and activated carbon treatment technology in water management: An example from the Czech Republic. 2019 , 33, 67-76	2
558	Northern green algae have the capacity to remove active pharmaceutical ingredients. 2019 , 170, 644-656	54
557	Removal of Selected Pharmaceuticals and Personal Care Products from Wastewater using Soybean Peroxidase. 2019 , 63, 408-415	8
556	Carbamazepine removal from water by carbon dot-modified magnetic carbon nanotubes. 2019 , 169, 434-444	73
555	Semiconductor Photocatalysis for Water Purification. 2019 , 581-651	31
554	Recent developments and advances in boron-doped diamond electrodes for electrochemical oxidation of organic pollutants. 2019 , 212, 802-821	133

553	Effect of electrolytes on the simultaneous electrochemical oxidation of sulfamethoxazole, propranolol and carbamazepine: behaviors, by-products and acute toxicity. 2019 , 26, 6855-6867		17
552	Highly efficient modified lead oxide electrode using a spin coating/electrodeposition mode on titanium for electrochemical treatment of pharmaceutical pollutant. <i>Chemosphere</i> , 2019 , 221, 356-365	8.4	12
551	C-modified TiO ₂ using lignin as carbon precursor for the solar photocatalytic degradation of acetaminophen. 2019 , 358, 1574-1582		49
550	Porous Polymers as Multifunctional Material Platforms toward Task-Specific Applications. 2019 , 31, e1802922		210
549	Continuous removal of the model pharmaceutical chloroquine from water using melanin-covered <i>Escherichia coli</i> in a membrane bioreactor. 2019 , 365, 74-80		12
548	A comparison of the photolytic and photocatalytic degradation of fluvastatin. 2019 , 358, 1296-1304		14
547	Pharmaceuticals in the marine environment: a review. 2019 , 27, 151-165		39
546	Effect of Ce and Mn co-doping on photocatalytic performance of sol-gel TiO ₂ . 2019 , 88, 20-28		31
545	Influences of multi influent matrices on the retention of PPCPs by nanofiltration membranes. 2019 , 212, 299-306		42
544	Environmentally-related contaminants of high concern: Potential sources and analytical modalities for detection, quantification, and treatment. 2019 , 122, 52-66		302
543	Anti-cancer drugs in aquatic environment can cause cancer: Insight about mutagenicity in tadpoles. 2019 , 650, 2284-2293		21
542	Removal of Ranitidine from Pharmaceutical Waste Water Using Graphene Oxide (GO). 2019 , 1253-1262		4
541	Co-metabolic enhancement of 1H-1,2,4-triazole biodegradation through nitrification. 2019 , 271, 236-243		24
540	Environmental assessment of solar photo-Fenton processes in combination with nanofiltration for the removal of micro-contaminants from real wastewaters. 2019 , 650, 2210-2220		32
539	EDDS as complexing agent for enhancing solar advanced oxidation processes in natural water: Effect of iron species and different oxidants. 2019 , 372, 129-136		36
538	Batch adsorption studies on the removal of ciprofloxacin hydrochloride from aqueous solution using ZnO nanoparticles and groundnut (<i>Arachis hypogaea</i>) shell powder: a comparison** Part of the work has been presented at the National Conference on Achievements of women in science and technology: Current scenario and future prospects, 2017 w.e.f. 13 th -14 January 2017. View all		16
537	Hydrothermal synthesis of TiO ₂ /carbon composites and their application for removal of organic pollutants. 2019 , 12, 4388-4397		30
536	Enhanced accessibility of active sites in hierarchical ZSM-5 zeolite for removal of pharmaceutically active substances: Adsorption and microcalorimetric study. 2020 , 13, 1945-1954		11

535	Enhancement of ciprofloxacin degradation in aqueous system by heterogeneous catalytic ozonation. 2020 , 27, 1246-1255	10
534	Effect of UV dose on degradation of venlafaxine using UV/HO: perspective of augmenting UV units in wastewater treatment. 2020 , 41, 1107-1116	8
533	Synthesis and application of nanocomposite Fe ₃ O ₄ @SiO ₂ @CTAB@SiO ₂ as a novel adsorbent for removal of cyclophosphamide from water samples. 2020 , 55, 456-470	26
532	Synergistic effect between ultraviolet irradiation and electrochemical oxidation for removal of humic acids and pharmaceuticals. 2020 , 34, 232-246	4
531	On the deactivation and regeneration of Pd/Al ₂ O ₃ catalyst for aqueous-phase hydrodechlorination of diluted chlorpromazine solution. 2020 , 356, 255-259	4
530	Application of activated carbon from banana stem waste for removal of heavy metal ions in greywater using a Box-Behnken design approach. 2020 , 41, 3363-3374	3
529	New approaches to solar Advanced Oxidation Processes for elimination of priority substances based on electrooxidation and ozonation at pilot plant scale. 2020 , 355, 844-850	13
528	Techno-economical evaluation of coupling ionizing radiation and biological treatment process for the remediation of real pharmaceutical wastewater. 2020 , 242, 118544	23
527	Studies on membrane stability and extraction of ciprofloxacin from aqueous solution using pickering emulsion liquid membrane stabilized by magnetic nano-Fe ₂ O ₃ . 2020 , 585, 124044	18
526	Photolytic and photocatalytic degradation of nitrofurantoin and its photohydrolytic products. 2020 , 386, 112093	11
525	Unfolding the action mode of light and homogeneous vs. heterogeneous photo-Fenton in bacteria disinfection and concurrent elimination of micropollutants in urban wastewater, mediated by iron oxides in Raceway Pond Reactors. 2020 , 263, 118158	19
524	Electrocatalytic generation of homogeneous and heterogeneous hydroxyl radicals for cold mineralization of anti-cancer drug Imatinib. 2020 , 383, 123155	27
523	Recent advancements in visible-light-assisted photocatalytic removal of aqueous pharmaceutical pollutants. 2020 , 22, 11-42	30
522	Advances and Challenges in BiOX (X: Cl, Br, I)-Based Materials for Harvesting Sunlight. 2020 , 235-282	
521	Degradation of sulfamethoxazole by heat-activated persulfate oxidation: Elucidation of the degradation mechanism and influence of process parameters. 2020 , 379, 122234	44
520	Novel phenyl-phosphate-based porous organic polymers for removal of pharmaceutical contaminants in water. 2020 , 379, 122290	38
519	Enhancement effects of process optimization technique while elucidating the degradation pathways of drugs present in pharmaceutical industry wastewater using <i>Micrococcus yunnanensis</i> . <i>Chemosphere</i> , 2020 , 238, 124689	8.4 10
518	Optimization and Modeling of Tetracycline Removal from Wastewater by Three-Dimensional Electrochemical System: Application of Response Surface Methodology and Least Squares Support Vector Machine. 2020 , 25, 327-341	9

517	Adsorption of organic including pharmaceutical and inorganic contaminants in water toward graphene-based materials. 2020 , 93-113		2
516	Reaction intermediates during the photocatalytic degradation of emerging contaminants under visible or solar light. 2020 , 163-193		
515	Targeted profiling of chlorinated transformation products and the parent micropollutants in the aquatic environment: A comparison between two coastal cities. <i>Chemosphere</i> , 2020 , 242, 125268	8.4	8
514	BiMoO nanofilms on the stainless steel mesh by PS-PED method: Photocatalytic degradation of diclofenac sodium as a pharmaceutical pollutant. 2020 , 62, 104867		8
513	Synthesis and characterization of nanocomposite ultrafiltration membrane (PSF/PVP/SiO ₂) and performance evaluation for the removal of amoxicillin from aqueous solutions. 2020 , 17, 100529		28
512	Magnesium Ferrite (MgFe ₂ O ₄) Nanoparticles for Photocatalytic Antibiotics Degradation. 2020 , 234, 645-654		12
511	Mono- and di- cationic ionic liquids based aqueous biphasic systems for the extraction of diclofenac sodium. 2020 , 234, 116048		20
510	Efficient Removal of Diclofenac from Aqueous Solution by Potassium Ferrate-Activated Porous Graphitic Biochar: Ambient Condition Influences and Adsorption Mechanism. 2019 , 17,		22
509	Neurotoxic and respiratory effects of human use drugs on a Neotropical fish species, Phalloceros harpagos. 2020 , 230, 108683		3
508	Degradation of the diuretic hydrochlorothiazide by UV/Solar radiation assisted oxidation processes. 2020 , 257, 109973		8
507	Effective adsorption of metronidazole antibiotic from water with a stable Zr(IV)-MOFs: Insights from DFT, kinetics and thermodynamics studies. 2020 , 8, 103642		32
506	Advanced Oxidation Processes for the Removal of Antibiotics from Water. An Overview. 2020 , 12, 102		171
505	Pharmaceuticals residues and xenobiotics contaminants: Occurrence, analytical techniques and sustainable alternatives for wastewater treatment. 2020 , 705, 135568		87
504	Experimental and theoretical insights into kinetics and mechanisms of hydroxyl and sulfate radicals-mediated degradation of sulfamethoxazole: Similarities and differences. 2020 , 259, 113795		17
503	Occurrence and treatment of contaminants of emerging concern in the African aquatic environment: Literature review and a look ahead. 2020 , 254, 109752		44
502	In-situ fabrication of g-C ₃ N ₄ /MIL-68(In)-NH ₂ heterojunction composites with enhanced visible-light photocatalytic activity for degradation of ibuprofen. 2020 , 391, 123608		31
501	Wastewater Treatment by Advanced Oxidation Process and Their Worldwide Research Trends. 2019 , 17,		111
500	Ultra-High-Molecular-Weight polyethylene-based nanocomposite for removal of tetracycline in aqueous systems. 2020 , 8, 103630		4

499	Adsorption of organic pollutants from the aqueous phase using graphite as a model adsorbent. 2020 , 38, 286-303	1
498	Non-steroidal anti-inflammatory drugs in the environment: Where were we and how far we have come?. 2020 , 267, 115370	19
497	Re-usable self-poled piezoelectric/piezocatalytic films with exceptional energy harvesting and water remediation capability. 2020 , 78, 105339	31
496	Eco friendly synthesis of the LiY(MoO ₄) ₂ coral-like quantum dots in biotemplate MOF (QD/BioMOF) for in vivo imaging and ibuprofen removal from an aqueous media study. 2020 , 13, 7820-7828	3
495	Occurrence and removal of pharmaceutical and personal care products using subsurface horizontal flow constructed wetlands. 2020 , 187, 116448	21
494	Evaluation and comparison of Fenton-like oxidation with Fenton [®] oxidation for hazardous methoxyanilines in aqueous solution. 2020 , 92, 101-108	8
493	The generation of hydroxyl radicals and electro-oxidation of diclofenac on Pt-doped SnO ₂ /B electrodes. 2020 , 354, 136686	7
492	A review on alternative bioprocesses for removal of emerging contaminants. 2020 , 43, 2117-2129	17
491	Nanoparticles Engineering by Pulsed Laser Ablation in Liquids: Concepts and Applications. 2020 , 10,	43
490	Trimethylamine functionalized clay for highly efficient removal of diclofenac from contaminated water: Experiments and theoretical calculations. 2020 , 20, 100615	18
489	Removal of p-aminobenzenesulfanilamide from water solutions by catalytic photo-oxidation over Fe-pillared clay. 2020 , 185, 116212	7
488	Degradation of aliphatic halogenated contaminants in water by UVA/Cu-TiO and UVA/TiO photocatalytic processes: Structure-activity relationship and role of reactive species. <i>Chemosphere</i> , 2020 , 260, 127644	8.4 6
487	A Chemometric Survey about the Ability of Voltammetry to Discriminate Pharmaceutical Products from the Evolution of Signals as a Function of pH. 2020 , 8, 46	2
486	Zero-valent iron-based technologies for removal of heavy metal(loid)s and organic pollutants from the aquatic environment: Recent advances and perspectives. 2020 , 277, 123478	36
485	Removal of emerging contaminants from water by zeolite-rich composites: A first approach aiming at diclofenac and ketoprofen. 2020 , 298, 110057	23
484	Elimination of representative fluoroquinolones, penicillins, and cephalosporins by solar photo-Fenton: degradation routes, primary transformations, degradation improvement by citric acid addition, and antimicrobial activity evolution. 2020 , 27, 41381-41393	16
483	Removal of acetaminophen (ACT) from aqueous solution by using nanosilica adsorbent: experimental study, kinetic and isotherm modeling. 2020 , 49, 55-62	3
482	Populus alba tolerates and efficiently removes caffeine and zinc excesses using an organ allocation strategy. 2020 , 92, 597-606	1

481	Influence of the UV-Vis irradiation on the acute toxicity to zebrafish and mutagenicity of the selected psychotropic drugs. 2020 , 55, 1624-1637	
480	Comparing the Effects of Types of Electrode on the Removal of Multiple Pharmaceuticals from Water by Electrochemical Methods. 2020 , 12, 2332	3
479	Molecular separation of ibuprofen and 4-isobutylacetophenone using octanol organic solution by porous polymeric membranes. 2020 , 15, e0237271	4
478	Computational modeling of drug separation from aqueous solutions using octanol organic solution in membranes. 2020 , 10, 19133	4
477	Preparation of magnetic graphene nanocomposite for the removal of cefixime from aqueous solution. 2020 , 1-17	0
476	Adsorption and removal of a selected emerging contaminant, using Humic acid, Humasorb and Montmorillonite. Equilibrium isotherms, kinetics and effect of the water matrix. 2020 , 55, 1534-1541	3
475	Ultrasound-assisted adsorption of pharmaceuticals onto clay decorated carbon Nano composites as a novel adsorbent: as a Applicable for environmental studies. 2020 , 1664, 012098	0
474	Sonochemical Advanced Oxidation Processes for the Removal of Pharmaceuticals in Wastewater Effluents. 2020 , 349-381	3
473	Removal Characteristics of Effluent Organic Matter (EfOM) in Pharmaceutical Tailwater by a Combined Coagulation and UV/O ₃ Process. 2020 , 12, 2773	0
472	Efficient Removal of Metronidazole by the Photo-Fenton Process with a Magnetic Fe ₃ O ₄ @PBC Composite. 2020 , 146, 04020056	15
471	Emerging contaminants as global environmental hazards. A bibliometric analysis. 2020 , 6, 179-193	35
470	Preparation of activated carbon from biomass and its applications in water and gas purification, a review. 2020 , 27, 208-238	62
469	Comparative adsorption of diclofenac sodium and losartan potassium in organophilic clay-packed fixed-bed: X-ray photoelectron spectroscopy characterization, experimental tests and theoretical study on DFT-based chemical descriptors. 2020 , 312, 113427	29
468	First record of emerging contaminants in sponges of an inhabited island in the Maldives. 2020 , 156, 111273	9
467	Iron precursor salt effect on the generation of OH radicals and sulfamethoxazole degradation through a heterogeneous Fenton process using Carbon-Fe catalysts. 2020 , 36, 101273	8
466	Photo-assisted electrochemical production of HClO and Fe ²⁺ as Fenton-like reagents in chloride media for sulfamethoxazole degradation. 2020 , 250, 117236	14
465	Water efficiency and safe re-use of different grades of water - Topical issues for the pharmaceutical industry. 2020 , 24, 100132	5
464	Molecular Interpretation of Pharmaceuticals Adsorption on Carbon Nanomaterials: Theory Meets Experiments. 2020 , 8, 642	14

463	Tricks and tracks in removal of emerging contaminants from the wastewater through hybrid treatment systems: A review. 2020 , 738, 140320		89
462	Urea-Functionalized MIL-101(Cr)@AC as a New Adsorbent to Remove Sulfacetamide in Wastewater Treatment. 2020 , 59, 12056-12064		5
461	Influence of boron doped diamond electrodes properties on the elimination of selected pharmaceuticals from wastewater. 2020 , 862, 114007		3
460	Pt Modified Heterogeneous Catalysts Combined with Ozonation for the Removal of Diclofenac from Aqueous Solutions and the Fate of by-Products. 2020 , 10, 322		4
459	Enhanced adsorption of bisphenol A, tylosin, and tetracycline from aqueous solution to nitrogen-doped multiwall carbon nanotubes via cation- π and π -electron-donor-acceptor (EDA) interactions. 2020 , 719, 137389		46
458	Integrated assessment of sulfate-based AOPs for pharmaceutical active compound removal from wastewater. 2020 , 260, 121014		24
457	Potential of bacterial consortia obtained from different environments for bioremediation of paroxetine and bezafibrate. 2020 , 8, 103881		6
456	Stable cellulose-based porous binary metal-organic gels as highly efficient adsorbents and their application in an adsorption bed for chlortetracycline hydrochloride decontamination. 2020 , 8, 6670-6681		11
455	BiFeO in pellet form is an alternative in the wastewater treatment process. 2020 , 55, 677-685		0
454	Degradation of diclofenac sodium using UV/biogenic selenium nanoparticles/H ₂ O ₂ : Optimization of process parameters. 2020 , 392, 112382		16
453	Occurrence and toxicity of antibiotics in the aquatic environment: A review. <i>Chemosphere</i> , 2020 , 251, 126351	8.4	258
452	Incidence of antibiotic resistance in <i>Vibrio</i> spp. 2020 , 12, 2590-2608		18
451	Fate of Diclofenac and Its Transformation and Inorganic By-Products in Different Water Matrices during Electrochemical Advanced Oxidation Process Using a Boron-Doped Diamond Electrode. 2020 , 12, 1686		2
450	A critical review on advanced oxidation processes for the removal of trace organic contaminants: A voyage from individual to integrated processes. <i>Chemosphere</i> , 2020 , 260, 127460	8.4	40
449	Untargeted metabolomics changes on <i>Gammarus pulex</i> induced by propranolol, triclosan, and nimesulide pharmaceutical drugs. <i>Chemosphere</i> , 2020 , 260, 127479	8.4	6
448	Removal of meropenem from environmental matrices by electrochemical oxidation using Co/Bi/TiO ₂ nanotube electrodes. 2020 , 6, 2197-2208		3
447	Determination of 19 anthelmintics in environmental water and sediment using an optimized PLE and SPE method coupled with UHPLC-MS/MS. 2020 , 719, 137516		10
446	Recent advances on the development and application of magnetic activated carbon and char for the removal of pharmaceutical compounds from waters: A review. 2020 , 718, 137272		52

445	Degradation of Pharmaceutical Contaminant Tetracycline in Aqueous Solution by Coaxial-Type DBD Plasma Reactor. 2020 , 48, 471-481	12
444	Treatment of pharmaceutical wastewater by combination of electrocoagulation, electro-fenton and photocatalytic oxidation processes. 2020 , 8, 103777	32
443	Insights on photochemical activities of organic components and minerals in dissolved state biochar in the degradation of atorvastatin in aqueous solution. 2020 , 392, 122277	5
442	Removal of emerging pollutants present in water using an E-coli biofilm supported onto activated carbons prepared from argan wastes: Adsorption studies in batch and fixed bed. 2020 , 720, 137491	13
441	Metronidazole and Cephalexin degradation by using of Urea/TiO ₂ /ZnFe ₂ O ₄ /Clinoptilolite catalyst under visible-light irradiation and ozone injection. 2020 , 304, 112764	35
440	Selected Pharmaceuticals in Different Aquatic Compartments: Part I-Source, Fate and Occurrence. 2020 , 25,	25
439	Effect of Floodplain Restoration on Photolytic Removal of Pharmaceuticals. 2020 , 54, 3278-3287	6
438	Effect of Emerging Contaminants on Crops and Mechanism of Toxicity. 2020 , 217-241	1
437	Nanocatalysts and other nanomaterials for water remediation from organic pollutants. 2020 , 408, 213180	197
436	Removal of Antibiotics from Water by Polymer of Intrinsic Microporosity: Isotherms, Kinetics, Thermodynamics, and Adsorption Mechanism. 2020 , 10, 794	51
435	Innovative approach of in-situ fixed mode dual effect (photo-Fenton and photocatalysis) for ofloxacin degradation. 2020 , 37, 350-357	2
434	ADVANCES IN UTILIZATION OF WASTEWATER IN AGRICULTURAL PRACTICE: A TECHNICAL NOTE. 2020 , 69, 149-163	5
433	Efficient degradation, mineralization and toxicity reduction of sulfamethoxazole under photo-activation of peroxymonosulfate by ferrate (VI). 2020 , 389, 124084	18
432	Sulfamethoxazole/Trimethoprim ratio as a new marker in raw wastewaters: A critical review. 2020 , 715, 136916	35
431	Efficient electro-oxidation of diclofenac persistent organic pollutant in wastewater using carbon film-supported Cu-rGO electrode. <i>Chemosphere</i> , 2020 , 248, 126030	8.4 10
430	Blue LED light-driven photoelectrocatalytic removal of naproxen from water: Kinetics and primary by-products. 2020 , 867, 114192	11
429	Etodolac adsorption onto activated carbon prepared by chemical activation and pyrolysis of biomasses mixture. 2020 , 10, 1153-1165	2
428	Electroanalysis of Cefadroxil Antibiotic at Carbon Nanotube/Gold Nanoparticle Modified Glassy Carbon Electrodes. 2020 , 7, 2151-2158	5

427	Metoprolol beta-blocker decontamination from water by the adsorptive action of metal-organic frameworks-nano titanium oxide coated tin dioxide nanoparticles. 2020 , 309, 113096	6
426	A comprehensive review on contaminants removal from pharmaceutical wastewater by electrocoagulation process. 2020 , 726, 138095	77
425	Emerging pollutants (EPs) in Latin Amēica: A critical review of under-studied EPs, case of study -Nonylphenol. 2020 , 726, 138493	25
424	Amoxicillin removal using polyethersulfone hollow fiber membranes blended with ZIF-L nanoflakes and cGO nanosheets: Improved flux and fouling-resistance. 2020 , 8, 103973	11
423	Sonochemical degradation of trimethoprim in water matrices: Effect of operating conditions, identification of transformation products and toxicity assessment. 2020 , 67, 105139	12
422	Effect of Biomass and Operating Condition on Biodegradation Capacity of a Mix of Pharmaceuticals (Carbamazepine, Ibuprofen, and Ciprofloxacin) in a Membrane Bioreactor. 2020 , 146, 04020047	1
421	Niobium-Titanium-Based Photocatalysts: Its Potentials for Free Cyanide Oxidation in Residual Aqueous Effluent. 2020 , 8, 99	6
420	The application of microalgae in removing organic micropollutants in wastewater. 2021 , 51, 1187-1220	18
419	In situ functionalization of a cellulosic-based activated carbon with magnetic iron oxides for the removal of carbamazepine from wastewater. 2021 , 28, 18314-18327	12
418	Electro-oxidation of phenol in petroleum wastewater using a novel pilot-scale electrochemical cell with graphite and stainless-steel electrodes. 2021 , 35, 259-268	8
417	Simultaneous degradation of 30 pharmaceuticals by anodic oxidation: Main intermediaries and by-products. <i>Chemosphere</i> , 2021 , 269, 128753	8.4 8
416	Remediation of antibiotic wastewater by coupled photocatalytic and persulfate oxidation system: A critical review. 2021 , 408, 124461	55
415	Emerging contaminants in environment: occurrence, toxicity, and management strategies with emphasis on microbial remediation and advanced oxidation processes. 2021 , 1-14	3
414	Recent advances in the removal of pharmaceuticals and endocrine-disrupting compounds in the aquatic system: A case of polymer inclusion membranes. 2021 , 406, 124317	16
413	Effects of natural sunlight on antimicrobial-resistant bacteria (AMRB) and antimicrobial-susceptible bacteria (AMSB) in wastewater and river water. 2021 , 766, 142568	8
412	Assessment of UV combined with free chlorine for removal of valsartan acid from water samples. 2021 , 762, 143173	1
411	Application of aqueous two-phase system for selective extraction and clean-up of emerging contaminants from aqueous matrices. 2021 , 223, 121697	12
410	Polymer-assisted modification of metal-organic framework MIL-96 (Al): influence of HPAM concentration on particle size, crystal morphology and removal of harmful environmental pollutant PFOA. <i>Chemosphere</i> , 2021 , 262, 128072	8.4 5

409	Starch-Mg/Al layered double hydroxide composites as an efficient solid phase extraction sorbent for non-steroidal anti-inflammatory drugs as environmental pollutants. 2021 , 401, 123782	12
408	Towards an innovative combined process coupling biodegradation and photo-oxidation for the removal of pharmaceutical residues. 2021 , 96, 755-763	1
407	Self-adjusted bimetallic zeolitic-imidazolate framework-derived hierarchical magnetic carbon composites as efficient adsorbent for optimizing drug contaminant removal. <i>Chemosphere</i> , 2021 , 263, 128101	8.4 36
406	Toxic effects of NSAIDs in non-target species: A review from the perspective of the aquatic environment. 2020 , 273, 115891	21
405	Iron-based metal organic framework MIL-88-A for the degradation of naproxen in water through persulfate activation. 2021 , 405, 126701	45
404	Capability of shallow open-water unit for emerging contaminants attenuation and ecological safety improvement in a treated effluent polishing process. 2021 , 40, 101788	1
403	Bimetal-organic framework derived CoFe/NC porous hybrid nanorods as high-performance persulfate activators for bisphenol a degradation. 2021 , 421, 127800	10
402	Semiconductor based photocatalysts for detoxification of emerging pharmaceutical pollutants from aquatic systems: A critical review. 2021 , 3, 25-46	24
401	Scale-up impact over solar photocatalytic ozonation with benchmark-P25 and N-TiO ₂ for insecticides abatement in water. 2021 , 9, 104915	6
400	1,4-Benzoquinone and 1,4-hydroquinone based determination of electron and superoxide radical formed in heterogeneous photocatalytic systems. 2021 , 407, 113057	31
399	Degradation and mineralization of the emerging pharmaceutical pollutant sildenafil by ozone and UV radiation using response surface methodology. 2021 , 28, 23868-23886	4
398	Pre-adsorption and Fenton-like oxidation of mitoxantrone using hybrid green synthesized rGO/Fe nanoparticles. 2021 , 408, 127273	8
397	A review on effective removal of emerging contaminants from aquatic systems: Current trends and scope for further research. 2021 , 409, 124413	104
396	Degradation of sulfamethoxazole by ozonation combined with ionizing radiation. 2021 , 407, 124377	29
395	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
394	Insights into mesoporous MCM-41-supported titania decorated with CuO nanoparticles for enhanced photodegradation of tetracycline antibiotic. 2021 , 28, 862-879	10
393	Cotton textile waste valorization for removal of tetracycline and paracetamol alone and in mixtures from aqueous solutions: Effects of H ₂ PO ₄ as an oxidizing agent. 2021 , 93, 464-478	6
392	Pulsed electrocatalysis enables an efficient 2-electron oxygen reduction reaction for H ₂ O ₂ production. 2021 , 9, 15948-15954	6

391	Theoretical study of the adsorption of analgesic environmental pollutants on pristine and nitrogen-doped graphene nanosheets. 2021 , 23, 1221-1233	2
390	Insights into the efficient elimination of veterinary drug from water by adsorption on activated carbon: optimization study. 2021 , 18, 3635	1
389	Nanoplac-Qtof-Ms/Ms Determination of Rosuvastatin Degradation Products Generated by Gamma Radiation in Aqueous Solution.	
388	Nitrogenous Wastes and Its Efficient Treatment in Wastewater. 2021 , 147-175	0
387	Integrated nanofiltration membrane process for water and wastewater treatment. 2021 , 147-168	
386	UV-Vis LED-assisted photo-Fenton process for mineralization of losartan and hydrochlorothiazide: optimization using desirability function. 2021 , 28, 24046-24056	2
385	Removal of Rifampin by Luffa: A Pharmaceutical Potential in Producing Dye in Water. 2021 , 209-229	1
384	Characterization of a fatty acid-binding protein from the Pacific oyster (<i>Crassostrea gigas</i>): pharmaceutical and toxicological implications. 2021 , 28, 27811-27822	0
383	Sulfur-based advance nanomaterials for water treatment. 2021 , 405-416	
382	Adsorption/Coagulation/Ceramic Microfiltration for Treating Challenging Waters for Drinking Water Production. 2021 , 11,	5
381	Performance Evaluation of Porous Graphene as Filter Media for the Removal of Pharmaceutical/Emerging Contaminants from Water and Wastewater. 2021 , 11,	16
380	Emerging Contaminants in Wastewater: Sources of Contamination, Toxicity, and Removal Approaches. 2021 , 103-132	2
379	Nanomaterials for adsorption of pollutants and heavy metals: Introduction, mechanism, and challenges. 2021 , 343-366	4
378	Development of an electrochemical sensor based on a cobalt oxide/tin oxide composite for determination of antibiotic drug ornidazole. 2021 , 45, 12593-12605	2
377	Influence of short- and long-term exposure on the biodegradation capacity of activated sludge microbial communities in ready biodegradability tests. 2021 , 7, 107-121	1
376	3D Printing Technology in the Environment. 2021 , 131-160	0
375	Application of NiZnFeO magnetic nanoparticles for diclofenac adsorption: isotherm, kinetic and thermodynamic investigation. 2021 , 83, 1265-1277	2
374	Removal of pharmaceutical and personal care products (PPCPs) from wastewater using microalgae: A review. 2021 , 403, 124041	97

373	Orderly Porous Covalent Organic Frameworks-based Materials: Superior Adsorbents for Pollutants Removal from Aqueous Solutions. 2021 , 2, 100076	144
372	Synthesis and applications of nano-sized zinc oxide in wastewater treatment: a review. 2021 , 18, 3237-3256	4
371	Pharmaceutically Active Compounds in Wastewater Treatment Plants: Electrochemical Advanced Oxidation as Onsite Treatment. 2021 , 141-158	
370	Advanced Electrochemical Oxidation Processes in the Treatment of Pharmaceutical Containing Water and Wastewater: a Review. 2021 , 7, 146-159	12
369	LC and NMR Studies for Identification and Characterization of Degradation Byproducts of Olmesartan Acid, Elucidation of Their Degradation Pathway and Ecotoxicity Assessment. 2021 , 26,	1
368	A brief commentary on activated carbon material as an efficient low-cost material for water decontamination. 2021 , 2, 37-55	
367	Adsorption of non-steroidal anti-inflammatory drug (NSAID) by agro-industrial by-product with chemical and thermal modification: Adsorption studies and mechanism. 2021 , 161, 113200	12
366	Carbamazepine removal from low-strength municipal wastewater using a combined UASB-MBR treatment system. 2021 , 83, 1920-1931	3
365	H ₂ O ₂ Electrogeneration from O ₂ Electroreduction by N-Doped Carbon Materials: A Mini-Review on Preparation Methods, Selectivity of N Sites, and Prospects. 2021 , 8, 2002091	9
364	Elimination of selected heterocyclic aromatic emerging contaminants from water using soybean peroxidase. 2021 , 28, 37570-37579	0
363	Electro-Fenton degradation of a ternary pharmaceutical mixture and its application in the regeneration of spent biochar. 2021 , 886, 115135	6
362	Removal of trace organic contaminants in municipal wastewater by anaerobic membrane bioreactor: Efficiencies, fates and impact factors. 2021 , 40, 101953	7
361	Addressing the contribution of indirect potable reuse to inland freshwater salinization. 2021 , 4, 699-707	3
360	Photocatalytic degradation of tetracyclines in liquid digestate: Optimization, kinetics and correlation studies. 2021 , 410, 128327	15
359	Gadolinium ferrite nano-particle based electrochemical sensor for detection of acetylsalicylic acid. 2021 , 1116, 012020	
358	How temperature can alter the combined effects of carbon nanotubes and caffeine in the clam <i>Ruditapes decussatus</i> ?. 2021 , 195, 110755	4
357	Transport of emerging contaminants: a column experimental study in granitic, gneissic, and quaternary alluvial soils from Porto Alegre, Southern Brazil. 2021 , 193, 262	1
356	Disinfection of Antibiotic-resistant Bacteria in Sewage and Hospital Effluent by Ozonation. 2021 , 43, 413-426	1

355	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. 2021 , 291, 125880		155
354	Simultaneous removal of contaminants of emerging concern and pathogens from urban wastewater by homogeneous solar driven advanced oxidation processes. 2021 , 766, 144320		11
353	Activated carbon-alginate beads impregnated with surfactant as sustainable adsorbent for efficient removal of methylene blue. 2021 , 176, 233-243		11
352	Removal of pharmaceuticals and ecotoxicological changes in wastewater using <i>Trametes versicolor</i> : A comparison of fungal stirred tank and trickle-bed bioreactors. 2021 , 410, 128210		9
351	To what extent may pharmaceuticals and pesticides be removed by PAC conventional addition to low-turbidity surface waters and what are the potential bottlenecks?. 2021 , 40, 101833		5
350	Removal of Antibiotics and Nutrients by Vetiver Grass () from a Plug Flow Reactor Based Constructed Wetland Model. 2021 , 9,		7
349	Novel electrochemical method for detection of cytotoxic Tinidazole in aqueous media. 2021 , 148, 992-1005		3
348	Experimental and modeling study on adsorption of emerging contaminants onto hyper-crosslinked cellulose. 2021 , 75, 4021-4034		2
347	Occurrence and risk assessment of selected pharmaceuticals in water and sediments of Usuma Dam, Abuja, Nigeria. 1-13		1
346	LIBRARY MANAGEMENT ANALYSIS TO IMPROVE THE QUALITY OF EDUCATION IN JUNIOR HIGH SCHOOL IN SANGGALANGI SUB- DISTRICT, NORTH TORAJA REGENCY. 2021 , 9, 454-465		
345	Removal of non-steroidal anti-inflammatory drugs from water by zeolite-rich composites: The interference of inorganic anions on the ibuprofen and naproxen adsorption. 2021 , 286, 112168		18
344	Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , 2021 , 271, 129542	8.4	2
343	Fate of active pharmaceutical ingredients in a northern high-rate algal pond fed with municipal wastewater. <i>Chemosphere</i> , 2021 , 271, 129763	8.4	14
342	Siphoviridae bacteriophage treatment to reduce abundance and antibiotic resistance of <i>Pseudomonas aeruginosa</i> in wastewater. 1		0
341	Retention of the Antibiotic Cefuroxime onto Agricultural and Forest Soils. 2021 , 11, 4663		3
340	On disclosing the role of mesoporous alumina in the ozonation of sulfamethoxazole: Adsorption vs. Catalysis. 2021 , 412, 128579		3
339	Wastewater treatment from pharmaceuticals: a review. 2021 , 4-31		
338	Degradation of Acid Violet 19 textile dye by electro-peroxone in a laboratory flow plant. <i>Chemosphere</i> , 2021 , 271, 129804	8.4	6

337	Hospital wastewater as a source of environmental contamination: An overview of management practices, environmental risks, and treatment processes. 2021 , 41, 101990	19
336	Photolytic fate of (E)- and (Z)-endoxifen in water and treated wastewater exposed to sunlight. 2021 , 197, 111121	
335	Synthesis of Porphyrin Zr-MOFs for the Adsorption and Photodegradation of Antibiotics under Visible Light. 2021 , 6, 17228-17238	7
334	Ibuprofen degradation and energy generation in a microbial fuel cell using a bioanode fabricated from devil fish bone char. 2021 , 56, 874-885	3
333	Preparation and morphological and physicochemical characterization of pillared clays from bentonite. 2021 , 1154, 012043	0
332	Designing scalable dual-layer composite hollow fiber nanofiltration membranes with fully cross-linked ultrathin functional layer. 2021 , 628, 119243	15
331	Recent progress and challenges of adsorptive membranes for the removal of pollutants from wastewater. Part II: Environmental applications. 2021 , 3, 100102	9
330	An expedition of WBiVO ₄ blended f-MWCNTs nanocomposite for enhanced electrochemical detection of non-steroidal anti-inflammatory drug acetaminophenol. 2021 , 618, 126454	3
329	Removal of Pharmaceuticals from Water by Adsorption and Advanced Oxidation Processes: State of the Art and Trends. 2021 , 11, 6659	17
328	Degradation mechanism of losartan in aqueous solutions under the effect of gamma radiation. 2021 , 184, 109435	2
327	Modification of cyclodextrin and use in environmental applications. 2021 , 1	6
326	A critical review on strategies for improving efficiency of BaTiO ₃ -based photocatalysts for wastewater treatment. 2021 , 290, 112679	10
325	Geometry influenced adsorption of fluoxetine over the surface of RuFeO ₃ and CeFeO ₃ nanoparticles: Kinetics and thermodynamic studies. 2021 , 47, 20544-20561	2
324	Application of adsorption process for effective removal of emerging contaminants from water and wastewater. 2021 , 280, 116995	56
323	A comprehensive review on magnetic carbon nanotubes and carbon nanotube-based buckypaper for removal of heavy metals and dyes. 2021 , 413, 125375	80
322	Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts. 2021 , 127, 1	2
321	Polyelectrolyte Multilayers: An Overview on Fabrication, Properties, and Biomedical and Environmental Applications. 2021 , 14,	10
320	Nano and micro architected cues as smart materials to mitigate recalcitrant pharmaceutical pollutants from wastewater. <i>Chemosphere</i> , 2021 , 274, 129785	8.4 20

319	Straw-Based Biopurification Systems to Remove Ibuprofen, Diclofenac and Triclosan from Wastewaters: Dominant Microbial Communities. 2021 , 11, 1507	2
318	Effectiveness of Advanced Oxidation Processes in Wastewater Treatment: State of the Art. 2021 , 13, 2094	6
317	Chitosan-graft-poly(N-tert-butylacrylamide) Copolymer: Synthesis, Characterization and Optimization of Tetracycline Removal Using RSM. 1	1
316	A critical review on environmental presence of pharmaceutical drugs tested for the covid-19 treatment. 2021 , 152, 568-582	10
315	Occurrence of Pharmaceuticals and Personal Care Products in the Water Environment of Poland: A Review. 2021 , 13, 2283	4
314	A review of the adsorption-biological hybrid processes for the abatement of emerging pollutants: Removal efficiencies, physicochemical analysis, and economic evaluation. 2021 , 780, 146554	11
313	Pharmaceutical removal at low energy consumption using membrane capacitive deionization. <i>Chemosphere</i> , 2021 , 276, 130133	8.4 3
312	A review on remedial measures for effective separation of emerging contaminants from wastewater. 2021 , 23, 101741	16
311	Direct and indirect effects of SARS-CoV-2 on wastewater treatment.. 2021 , 42, 102193	17
310	Mesoporous Fe-doped MgO nanoparticles as a heterogeneous photo-Fenton-like catalyst for degradation of salicylic acid in wastewater. 2021 , 9, 105589	6
309	Adsorptive Removal of Heavy Metal Ions, Organic Dyes, and Pharmaceuticals by DNA-Chitosan Hydrogels. 2021 , 7,	5
308	Removal of Pharmaceuticals from Wastewater: Analysis of the Past and Present Global Research Activities. 2021 , 13, 2353	5
307	Effective treatment of hospital wastewater with high-concentration diclofenac and ibuprofen using a promising technology based on degradation reaction catalyzed by Fe under microwave irradiation. 2021 , 783, 146991	11
306	Adsorptive Removal of Ibuprofen from Waste Stream Using Sawdust-Based Adsorbents. 55, 172-189	
305	Recent Trends in Pharmaceuticals Removal from Water Using Electrochemical Oxidation Processes. 2021 , 8, 85	6
304	An Efficient Strategy for Enhancing the Adsorption of Antibiotics and Drugs from Aqueous Solutions Using an Effective Limestone-Activated Carbon-Alginate Nanocomposite. 2021 , 26,	2
303	Use of combined UASB + eMBR treatment for removal of emerging micropollutants and reduction of fouling.	1
302	Current advances in treatment technologies for removal of emerging contaminants from water [A critical review. 2021 , 442, 213993	36

301	Adsorptive removal of antibiotic ofloxacin in aqueous phase using rGO-MoS heterostructure. 2021 , 417, 125982	8
300	Solid solution approach to the design of copper mixed-triazolate multivariate-MOFs for the efficient adsorption of triclosan. 2021 , 324, 111297	1
299	Contemporary Techniques for Remediating Endocrine-Disrupting Compounds in Various Water Sources: Advances in Treatment Methods and Their Limitations. 2021 , 13,	3
298	Oxidative transformation of emerging organic contaminants by aqueous permanganate: Kinetics, products, toxicity changes, and effects of manganese products. 2021 , 203, 117513	7
297	A Review on the Application of Zeolites and Mesoporous Silica Materials in the Removal of Non-Steroidal Anti-Inflammatory Drugs and Antibiotics from Water. 2021 , 14,	3
296	Enhanced effect of pyrite on the removal of metronidazole by zero valent iron. 2021 , 600, 775-783	3
295	Role of process parameters in the degradation of sulfamethoxazole by heat-activated peroxymonosulfate oxidation: Radical identification and elucidation of the degradation mechanism. 2021 , 422, 130457	25
294	Synthesis of modified beta bismuth oxide by titanium oxide and highly efficient solar photocatalytic properties on hydroxychloroquine degradation and pathways. 2021 , 419, 113453	9
293	Enhanced efficiency of a chemically modified hyperbranched Kraft lignin in the removal of pharmaceuticals from water at low microgram per liter levels. 2021 , 9, 106244	1
292	Advanced graphene oxide-based membranes as a potential alternative for dyes removal: A review. 2021 , 789, 147957	31
291	Biodegradation of salicylic acid, acetaminophen and ibuprofen by bacteria collected from a full-scale drinking water biofilter. 2021 , 295, 113071	4
290	Pesticide bioremediation by <i>Trametes versicolor</i> : Application in a fixed-bed reactor, sorption contribution and bioregeneration. 2021 , 794, 148386	2
289	Acrylic acid copolymers as adsorbent materials for the removal of anti-inflammatory pharmaceuticals from synthetic biomedical wastewaters. 2021 , 629, 127382	1
288	Recent advances in TiO ₂ -based materials for photocatalytic degradation of antibiotics in aqueous systems. 2021 , 24, 101822	8
287	Spinel ferrites nanoparticles: Synthesis methods and application in heterogeneous Fenton oxidation of organic pollutants [A review. 2021 , 6, 100145	13
286	Removal of sulfamethoxazole by ferrous iron activation of persulfate: Optimization of dosing strategy and degradation mechanism. 2021 , 799, 149159	2
285	Antibiotic-metal complexes in wastewaters: fate and treatment trajectory. 2021 , 157, 106863	7
284	Decontamination of emerging pharmaceutical pollutants using carbon-dots as robust materials. 2022 , 423, 127145	26

283	HIV-antiretrovirals in river water from Gauteng, South Africa: Mixed messages of wastewater inflows as source. 2022 , 806, 150346		0
282	Removal of emerging contaminants from wastewater through bionanotechnology. 2022 , 669-688		1
281	Potential application of machine learning for exploring adsorption mechanisms of pharmaceuticals onto biochars. <i>Chemosphere</i> , 2022 , 287, 132203	8.4	4
280	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. <i>Chemosphere</i> , 2022 , 287, 132023	8.4	3
279	Treatment aspect of an emerging pollutant from Pharmaceutical industries using advanced oxidation process: past, current, and future trends. 2022 , 23-44		
278	A critical review on ibuprofen removal from synthetic waters, natural waters, and real wastewaters by advanced oxidation processes. <i>Chemosphere</i> , 2022 , 286, 131849	8.4	10
277	Zinc/Iron mixed-metal MOF-74 derived magnetic carbon nanorods for the enhanced removal of organic pollutants from water. 2022 , 428, 131147		8
276	Strategies to cope with the emerging waste water contaminants through adsorption regimes. 2022 , 61-106		0
275	Engineered macroalgal and microalgal adsorbents: Synthesis routes and adsorptive performance on hazardous water contaminants. 2022 , 423, 126921		6
274	Pharmaceutical Pollutants in Aquatic Ecosystems. 2021 , 229-243		
273	Sources, fate, and impact of pharmaceutical and personal care products in the environment and their different treatment technologies. 2021 , 391-407		1
272	Advanced Oxidation Processes: A Promising Route for Abatement of Emerging Contaminants in Water. 2021 , 275-305		1
271	Occurrence and Fate of Emerging Pollutants in Water Environment and Options for Their Removal. 2021 , 13, 181		32
270	Determination of Steroid Hormones in Water Samples by Liquid Chromatography Electrospray Ionization Mass Spectrometry Using Parallel Reaction Monitoring.		
269	A comparative study on the removal of an emerging contaminant Mefenamic acid from aqueous media by various advanced oxidation methods. 2021 , 47, 1416-1422		
268	An activated carbon fiber supported Fe ₂ O ₃ @bismuth carbonate heterojunction for enhanced visible light degradation of emerging pharmaceutical pollutants.		6
267	Boron-doped diamond (BDD) electro-oxidation coupled with nanofiltration for secondary wastewater treatment: Antibiotics degradation and biofouling. 2021 , 146, 106291		10
266	Activated Porous Carbon Derived from Tea and Plane Tree Leaves Biomass for the Removal of Pharmaceutical Compounds from Wastewaters. 2021 , 10,		11

265	Future Prospects for Treating Contaminants of Emerging Concern in Water and Soils/Sediments. 2020 , 589-605		1
264	Hemp Fibers for Wastewater Treatment. 2020 , 295-326		5
263	Tools and Techniques for Purification of Water Using Nano Materials. 2019 , 285-322		1
262	Low-Cost Adsorptive Removal Techniques for Pharmaceuticals and Personal Care Products. 2020 , 397-421		4
261	Tertiary treatment technologies for removal of antibiotics and antibiotic resistance genes from wastewater. 2020 , 1-41		1
260	Electro-oxidation of Ofloxacin antibiotic by dimensionally stable Ti/RuO anode: Evaluation and mechanistic approach. <i>Chemosphere</i> , 2018 , 193, 685-694	8.4	55
259	Evaluation of cold-weather wastewater nitrification technology for removal of polar chemicals of emerging concern from rural Manitoba wastewaters. <i>Chemosphere</i> , 2020 , 253, 126711	8.4	2
258	Improved photocatalytic degradation of ketoprofen by Pt/MIL-125(Ti)/Ag with synergetic effect of Pt-MOF and MOF-Ag double interfaces: Mechanism and degradation pathway. <i>Chemosphere</i> , 2020 , 257, 127123	8.4	17
257	Ti-pillared montmorillonite clay for adsorptive removal of amoxicillin, imipramine, diclofenac-sodium, and paracetamol from water. 2020 , 399, 122832		39
256	Adsorptive Removal of Hazardous Organics from Water with Metal-organic Frameworks. 2016 , 27, 358-365		10
255	Quantitative analysis and resolution of pharmaceuticals in the environment using multivariate curve resolution-alternating least squares (MCR-ALS). 2019 , 69, 217-231		10
254	Micropollutants in wastewater and their degradation by ferrates (VI). 2018 , 11, 43-50		3
253	Degradation of sertraline in water by suspended and supported TiO ₂ . 2018 , 20, 107-112		6
252	Prior art for the development of a fourth purification stage in wastewater treatment plant for the elimination of anthropogenic micropollutants-a short-review. 2020 , 7, 69-98		4
251	In-Situ Oxidative Degradation of Emerging Contaminants in Soil and Groundwater Using a New Class of Stabilized MnO ₂ Nanoparticles. 112-136		1
250	Adsorption of chlorhexidine digluconate on acid modified fly ash: Kinetics, isotherms and influencing factors. 2020 , 25, 205-211		5
249	Degradation of Diclofenac in Water Using the O ₃ /UV/S ₂ O ₈ Advanced Oxidation Process. 2020 , 9,		5
248	Magnetic Iron-Containing Carbon Materials as Sorbents for the Removal of Pollutants from Aquatic Media (A Review). 2021 , 55, 285-305		1

247	A Review on Remedial Techniques for Pharmaceutical Contaminants in Wastewater. 2022 , 373-397		0
246	Enhancing the visible-light photoactivity of silica-supported TiO for the photocatalytic treatment of pharmaceuticals in water. 2021 , 1		0
245	Origin, fate, and risk assessment of emerging contaminants in groundwater bodies: a holistic review. 2021 , 4, 1275		1
244	Electrocoagulation Process: An Approach to Continuous Processes, Reactors Design, Pharmaceuticals Removal, and Hybrid SystemsA Review. 2021 , 9, 1831		2
243	Pharmaceutical Compounds in Aquatic Environments-Occurrence, Fate and Bioremediation Prospective. 2021 , 9,		9
242	Phosphodiesterase-5 (PDE-5) Inhibitors as Emergent Environmental Contaminants: Advanced Remediation and Analytical Methods. 2021 , 13, 2859		
241	Removal efficiency of organic micropollutants in successive wastewater treatment steps in a full-scale wastewater treatment plant: Bench-scale application of tertiary treatment processes to improve removal of organic micropollutants persisting after secondary treatment. <i>Chemosphere</i> , 2021 , 288, 132629	8.4	2
240	MetalOrganic frameworks for the generation of reactive oxygen species. 2021 , 2, 041301		0
239	Removal of Psychiatric Drugs in Water Treatment Systems. 2015 , 47-71		
238	Remoci3 de sustancias disruptoras endocrinas "levonorgestrel" en fuentes h3ricas. 2016 , 8,		
237	Occurrence and Fate of Human and Veterinary Medicinal Products. 2018 , 659-721		1
236	Environmental Photocatalysis/Photocatalytic Decontamination. 2019 , 1625-1640		1
235	Scope of Conventional Versus Advanced Technologies for the Control and Prevention of Emerging Contamination. 2021 , 383-403		
234	Biodegradation of carbamazepine and production of bioenergy using a microbial fuel cell with bioelectrodes fabricated from devil fish bone chars. 2021 , 106692		2
233	Pharmaceuticals: An Emerging Problem of Environment and Its Removal Through Biodegradation. 2021 , 267-292		3
232	Disinfection applications of ozone micro- and nanobubbles.		5
231	CVD Diamond and Nanodiamond: Versatile Materials for Countering a Wide Range of CBRN Threats. 2020 , 141-170		
230	Methods and Cases. 2020 , 47-132		

- 229 Scenario of Worldwide Preponderance of Contaminants of 'Emerging' Concern in the Hydrosphere. **2020**, 151-171
- 228 Green Technologies for the Treatment of Pharmaceutical Contaminants in Wastewaters. **2020**, 1-20
- 227 The Compelling Nature of Water Pollution as a Common-Pool Resource Problem. **2020**, 1-18
- 226 Carbamazepine removal from aqueous solution by synthesized reduced graphene oxide-nano zero valent iron (Fe-rGO) composite: theory, process optimization, and coexisting drugs effects. **2021**, 84, 2557-2577 0
- 225 New transformation products from ozonation and photolysis of diclofenac in the aqueous phase. **2021**, 0
- 224 Challenges of TiO heterogeneous photocatalysis on cytostatic compounds degradation: state of the art. **2021**, 1 2
- 223 Zeolite-assisted radiolysis of aromatic chlorides mitigating influence of coexisting ions in water matrix. **2021**, 191, 109831
- 222 Nanomaterials for the Photoremediation of Pollutants. **2021**, 283-319
- 221 Recent trends in the microbial degradation and bioremediation of emerging pollutants in wastewater treatment system. **2022**, 99-125 0
- 220 Surface Modified Activated Carbons: Sustainable Bio-Based Materials for Environmental Remediation. **2021**, 11, 4
- 219 A composite of 2-aminoterephthalic acid coupled with TiF₃@TiO₂/polyvinyl alcohol with enhanced visible-light photocatalytic reactivity; Investigation of the photocatalytic mechanism. **2021**, 15, 7158-7158 0
- 218 Response of *Rhodococcus cerastii* IEGM 1278 to toxic effects of ibuprofen. **2021**, 16, e0260032 5
- 217 NanoUPLC-QTOF-MS/MS Determination of Major Rosuvastatin Degradation Products Generated by Gamma Radiation in Aqueous Solution. **2021**, 14, 0
- 216 Porous ZnO/hydroxyapatite nanomaterials with effective photocatalytic and antibacterial activities for the degradation of antibiotics. **2022**, 7, 1 2
- 215 Enhancement of synergistic effect photocatalytic/persulfate activation for degradation of antibiotics by the combination of photo-induced electrons and carbon dots. **2021**, 433, 133741 12
- 214 Photo-oxidation of three major pharmaceuticals in urban wastewater under artificial and solar irradiations. **2021**, 425, 113673 2
- 213 Electrochemical Technologies to Decrease the Chemical Risk of Hospital Wastewater and Urine. **2021**, 26, 3
- 212 Pharmaceuticals as emerging pollutants: Case naproxen an overview. *Chemosphere*, **2021**, 132822 8.4 6

211	Recent advances in photocatalytic remediation of emerging organic pollutants using semiconducting metal oxides: an overview. 2021 , 1	3
210	Natural Polymer-Based Electrospun Nanofibrous Membranes for Wastewater Treatment: A Review. 2021 , 1	1
209	The Use of Surface-Modified Nanocrystalline Cellulose Integrated Membranes to Remove Drugs from Waste Water and as Polymers to Clean Oil Sands Tailings Ponds. 2021 , 13,	0
208	The use of biomimetic chromatography to predict acute aquatic toxicity of pharmaceutical compounds. 1-15	3
207	Challenges and Recent Advances in Enzyme-Mediated Wastewater Remediation-A Review. 2021 , 11,	6
206	Degradation of selected pharmaceuticals detected in wastewater systems using an enzyme-mediator system and identification of resulting transformation products. 1-12	0
205	A critical review on the sonochemical degradation of organic pollutants in urine, seawater, and mineral water.. 2021 , 82, 105861	2
204	Achieving Electrochemical-Sustainable-Based Solutions for Monitoring and Treating Hydroxychloroquine in Real Water Matrix. 2022 , 12, 699	0
203	Synergetic effect of adsorption-photocatalysis by GO/TeO ₂ nanocomposites for photodegradation of doxorubicin. 2022 , 10, 107078	1
202	Synthesis of a novel magnetic composite based on graphene oxide, chitosan and organoclay and its application in the removal of bisphenol A, 17β-ethinylestradiol and triclosan. 2022 , 10, 107071	1
201	Insight into the adsorption and oxidation activity of a ZnO/piezoelectric quartz core-shell for enhanced decontamination of ibuprofen: Steric, energetic, and oxidation studies. 2022 , 431, 134312	6
200	Pharmaceutical compounds used in the COVID-19 pandemic: A review of their presence in water and treatment techniques for their elimination.. 2021 , 152691	7
199	Simple and low-cost production of magnetite/graphene nanocomposites for heavy metal ions adsorption.. 2021 , 813, 152604	3
198	Ferrate(VI) pre-treatment and subsequent electrochemical advanced oxidation processes: Recycling iron for enhancing oxidation of organic pollutants. 2022 , 431, 134177	1
197	Determination of steroid hormones in water samples by liquid chromatography electrospray ionization mass spectrometry using parallel reaction monitoring. 2022 , 175, 107105	0
196	Beech sawdust based adsorbents for solid-phase extraction of pesticides and pharmaceuticals. 2022 , 87, 205-217	
195	Applications of Electrospun Membranes Immobilized with Biosorbents for the Removal of Contaminants. 2022 , 167-184	
194	Treatment of pulp and paper industry waste effluents and contaminants. 2022 , 349-370	

193	Emerging Pollutants in Moroccan Wastewater: Occurrence, Impact, and Removal Technologies. 2022 , 2022, 1-24	3	
192	Potential of oil palm frond cellulose nanocrystals-activated carbon hydrogel beads for the removal of paracetamol from aqueous media. 2022 , 29, 1583	0	
191	Ultrasound-Activated Modified Starch Microgranules for Removal of Ibuprofen from Aqueous Media. 2100261	0	
190	TiO ₂ based photocatalysis: a valuable approach for the removal of pharmaceuticals from aquatic environment. 1	1	
189	Use of magnetic hybrid nanomaterials in environmental applications. 2022 , 187-211		
188	Appraising efficacy of existing and advanced technologies for the remediation of beta-blockers from wastewater: A review.. 2022 , 1	2	
187	Integrating ZnO/CdS Schottky junction for remarkably enhanced photocatalytic performance under solar spectrum. 1	0	
186	Antibiotics and Resistance in Environment. 2022 , 23-46		
185	Heterogeneous photo-Fenton-like degradation of emerging pharmaceutical contaminants in wastewater using Cu-doped MgO nanoparticles. 2022 , 630, 118468	1	
184	Microbe mediated remediation of dyes, explosive waste and polyaromatic hydrocarbons, pesticides and pharmaceuticals.. 2022 , 3, 100092	0	
183	The fate and removal of pharmaceuticals and personal care products within wastewater treatment facilities discharging to the Great Bay Estuary.. 2021 , 94, e1680	1	
182	Removal of emerging contaminants by emulsion liquid membrane: perspective and challenges.. 2022 , 29, 12997	0	
181	Tetracycline (TC) degradation via hydrodynamic cavitation (HC) combined Fenton's reagent: Optimizing geometric and operation parameters. 2022 , 172, 108801	0	
180	Evaluation of plasmon-enhanced catalytic ozonation for the abatement of micropollutants in environmental matrices.. 2022 , 211, 118072	0	
179	Benchmarking tertiary water treatments for the removal of micropollutants and pathogens based on operational and sustainability criteria. 2022 , 46, 102587	2	
178	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	
177	Electrochemical sensing system for the analysis of emerging contaminants in aquatic environment: A review.. <i>Chemosphere</i> , 2022 , 294, 133779	8.4	14
176	Hybrid materials for the removal of emerging pollutants in water: classification, synthesis, and properties. 2022 , 10, 100252	2	

175	Removal of microcontaminants by zero-valent iron solar processes at natural pH: Water matrix and oxidant agents effect.. 2022 , 819, 153152	0
174	An insight into the potential contaminants, their effects, and removal means. 2022 , 75-104	
173	A review on bio-electro-Fenton systems as environmentally friendly methods for degradation of environmental organic pollutants in wastewater.. 2022 , 12, 5184-5213	2
172	Electrochemical Acceleration of Redox Reaction Cycles on the Surface of Fe ₂ O ₃ -MnO ₂ Cathode to Activate the Peroxymonosulfate for the Efficient Removal of Levofloxacin.	0
171	New nanostructured activated biochar for effective removal of antibiotic ciprofloxacin from wastewater: Adsorption dynamics and mechanisms.. 2022 , 210, 112929	4
170	Facile Synthesis of MOFs-Templated Carbon Aerogels with Enhanced Tetracycline Adsorption Performance. 2022 , 14, 504	0
169	Effect of Calcination Conditions on the Properties and Photoactivity of TiO ₂ Modified with Biuret. 2021 , 11, 1546	
168	A Novel and Affordable Bioaugmentation Strategy with Microbial Extracts to Accelerate the Biodegradation of Emerging Contaminants in Different Media.	
167	Polymeric Nanocomposite Membranes for Water Remediation: From Classic Approaches to 3D Printing. 2022 , 191-243	0
166	Metabolome Adaptation and Oxidative Stress Response of Common Carp (Cyprinus Carpio) to Altered Water Pollution Levels	
165	Removal of Organic Micropollutants for Advanced Wastewater Treatment: Adsorption by a Fixed-Bed Granular Zeolite Filter Combined with In-Situ Ozone-Based Regeneration.	
164	Heat-activated peracetic acid for degradation of diclofenac: Kinetics, influencing factors and mechanism.. 2022 , 1-25	0
163	Psychotropic Drugs of Emerging Concerns in Aquatic Systems: Ecotoxicology and Remediation Approaches. 1	1
162	DETERMINACIÓN SIMULTÁNEA DE ANTINFLAMATORIOS NO ESTEROIDEOS EN AGUA PARA CONSUMO HUMANO MEDIANTE HPLC-DAD. 2022 , 6, 15-30	
161	Suspect and non-target screening workflow for studying the occurrence, fate, and environmental risk of contaminants in wastewater using data-independent acquisition.. 2022 , 1667, 462905	2
160	An Overview of Polymer-Supported Catalysts for Wastewater Treatment through Light-Driven Processes. 2022 , 14, 825	1
159	Water Remediation from Pollutant Agents by the Use of an Environmentally Friendly Supramolecular Hydrogel. 2022 , 8,	2
158	Biocatalytic polymeric membranes to decrease biofilm fouling and remove organic contaminants in wastewater: a review. 1	0

157	Quality Control of Emerging Contaminants in Marine Aquaculture Systems by Spot Sampling-Optimized Solid Phase Extraction and Passive Sampling. 2022 , 14, 3452	0
156	Voltammetric Determination of Active Pharmaceutical Ingredients Using Screen-Printed Electrodes. 2022 , 10, 95	0
155	Single and mixture toxicity of selected pharmaceuticals to the aquatic macrophyte <i>Lemna minor</i> .. 2022 , 1	0
154	Overview of non-steroidal anti-inflammatory drugs degradation by advanced oxidation processes. 2022 , 346, 131226	3
153	Carbon spherical shells in a flexible photoelectrochemical sensor to determine hydroquinone in tap water. 2022 , 10, 107556	3
152	Metabolome adaptation and oxidative stress response of common carp (<i>Cyprinus carpio</i>) to altered water pollution levels.. 2022 , 303, 119117	1
151	Advances in adsorptive membrane technology for water treatment and resource recovery applications: A critical review. 2022 , 10, 107633	4
150	Occurrence, toxicity impacts and mitigation of emerging micropollutants in the aquatic environments: Recent tendencies and perspectives. 2022 , 10, 107598	4
149	A state of the art review on electrochemical technique for the remediation of pharmaceuticals containing wastewater.. 2022 , 210, 112975	1
148	Unraveling the occurrence of contaminants of emerging concern in groundwater from urban setting: A combined multidisciplinary approach and self-organizing maps.. <i>Chemosphere</i> , 2022 , 299, 134395	1
147	Synthetic organic antibiotics residues as emerging contaminants waste-to-resources processing for a circular economy in China: Challenges and perspective.. 2022 , 113075	5
146	Iron cobalt and nitrogen co-doped carbonized wood sponge for peroxymonosulfate activation: Performance and internal temperature-dependent mechanism.. 2022 , 619, 267-279	0
145	Graphene Modified Photocatalysts for the Abatement of Emerging Contaminants in Water. 2022 , 371-406	1
144	Solar Photocatalysis for Degradation of Pharmaceuticals in Hospital Wastewater: Influence of the Type of Catalyst, Aqueous Matrix, and Toxicity Evaluation. 2022 , 233, 1	2
143	Electrocoagulation Process for the Removal of Emerging Pollutants in Water and Wastewater. 2022 , 487-508	
142	Defect State Modulation of TiO ₂ Nanostructures for Photocatalytic Abatement of Emerging Pharmaceutical Pollutant in Wastewater Effluent. 2100162	0
141	Cerium-, Europium- and Erbium-Modified ZnO and ZrO ₂ for Photocatalytic Water Treatment Applications: A Review. 2021 , 11, 1520	1
140	Removal of Pharmaceutical Compounds: Overview of Treatment Methods. 2022 , 161-180	0

139	Usage and disposal strategies of environmental micropollutants. 2022 , 339-363	
138	A novel and affordable bioaugmentation strategy with microbial extracts to accelerate the biodegradation of emerging contaminants in different media.. 2022 , 155234	1
137	Covalent organic frameworks as promising adsorbent paradigm for environmental pollutants from aqueous matrices: Perspective and challenges.. 2022 , 155279	5
136	Sunflower seed shells@polyaniline: a novel composite for the removal of pharmaceutical pollutants from wastewater. 1-18	0
135	Metal Organic Framework as an Efficient Adsorbent for Drugs from Wastewater. 2022 , 103514	20
134	Recent trends in treatment technologies of emerging contaminants.	0
133	Soft-chemical synthesis and rational application of transition-metal tetrachalcogenide for LED-driven photocatalytic degradation of lomefloxacin in water.	0
132	Sorptive removal of pharmaceuticals using sustainable biochars. 2022 , 395-427	1
131	Technology, Science and Culture: A Global Vision, Volume III.	
130	A Critical View of the Contributions of Photoelectrochemical Technology To Pharmaceutical Degradation. 2022 , 107859	1
129	Characteristics and growth kinetics of biomass of Citrobacter freundii strains PYI-2 and Citrobacter portucalensis strain YPI-2 during the biodegradation of Ibuprofen.. 2022 , 1	3
128	Evaluation of an electrochemical membrane reactor for the removal of Eblocker compound from water. 2022 , 47, 102830	
127	Adsorptive and photocatalytic remediation of hazardous organic chemical pollutants in aqueous medium: A review.. 2022 , 248, 104019	1
126	Photoelectrocatalytic degradation of diclofenac with a boron-doped diamond electrode modified with titanium dioxide as a photoanode.. 2022 , 212, 113362	1
125	Use of Passive and Grab Sampling and High-Resolution Mass Spectrometry for Non-Targeted Analysis of Emerging Contaminants and Their Semi-Quantification in Water. 2022 , 27, 3167	0
124	Efficient capture of radioactive iodine by ZIF-8 derived porous carbon. 2022 , 249, 106895	0
123	Thermochemical Conversion of Lignocellulosic Waste to Activated Carbon: A Potential Resource for Industrial Wastewater Treatment. 2022 , 153-191	
122	Emerging Contaminants: Sources, Effects, and Treatment by New Adsorption Methods. 2022 , 97-121	

- 121 Source, Treatment, and Management Options of Contaminants of Emerging Concerns (CECs) in Water. **2022**, 3-19
- 120 Activation of Peroxymonosulfate by Magnetic Sludge Biochar for Efficient Degradation of Sulfamethoxazole in Various Waters: Surface-Bound Radical Mechanism.
- 119 Emerging Contaminants in Water and Remedial Techniques. **2022**, 203-229
- 118 Structural and Kinetic Characterization of Unexpired and Expired Drugs by Proton Nuclear Magnetic Resonance (¹H NMR) Relaxometry and Fourier Transform Infrared (FT-IR) Spectroscopy. 1-18
- 117 Recent advances in electrochemical-based sensors amplified with carbon-based nanomaterials (CNMs) for sensing pharmaceutical and food pollutants. *Chemosphere*, **2022**, 135182 8.4 2
- 116 Electro-Oxidation of Tetracycline in Ethanol-Water Mixture Using Dsa-Cl₂ Anode and Stimulating/Monitoring the Formation of Organic Radicals.
- 115 Higher Graphene Oxide-Induced Cu₀ Reduction in TiO₂/CdTiO₃/Cu₂O/Cu Composites for Photocatalysis Via Peroxymonosulfate Activation.
- 114 Biomass-derived adsorbents for caffeine removal from aqueous medium. **2022**, 111-134
- 113 Pharmaceuticals in the Aquatic Environment: A Review on Eco-Toxicology and the Remediation Potential of Algae. **2022**, 19, 7717 5
- 112 Continuous degradation of micropollutants in real world treated wastewaters by photooxidation in dynamic conditions. **2022**, 221, 118777
- 111 Solar photocatalytic degradation of emerging contaminants using NH₂-MIL-125 grafted by heterocycles. **2022**, 297, 121442 0
- 110 Photo-assisted (waste)water treatment technologies [A scientometric-based critical review. **2022**, 538, 115905 1
- 109 Highly permeable composite nanofiltration membrane via β-cyclodextrin modulation for multiple applications. **2022**, 297, 121541 0
- 108 Highly efficient decontamination of tetracycline and pathogen by a natural product-derived Emodin/HAp photocatalyst. *Chemosphere*, **2022**, 305, 135401 8.4 0
- 107 Reclamation of aqueous waste solutions polluted with pharmaceutical and pesticide residues by biological-photocatalytic (solar) coupling in situ for agricultural reuse. **2022**, 448, 137616 0
- 106 Periodic Mesoporous Organosilicas Containing Naphthalenediimides as Organic Sensitizers for Sulfadiazine Photodegradation.
- 105 State-of-the-Art and Perspectives of Agro-Waste-Derived Green Nanomaterials for Wastewater Remediation. **2022**, 261-285
- 104 Environmental impacts of mass drug administration programs: exposures, risks, and mitigation of antimicrobial resistance. **2022**, 11, 0

103	Antibiotic resistance in the aquatic environments: the need for an interdisciplinary approach.		0
102	Pharmaceutical pollution of hospital effluents and municipal wastewaters of Eastern Canada. 2022 , 157353		2
101	Impacts of pharmaceutical effluents on aquatic ecosystems. 2022 , e01288		0
100	Exploitation of Amine Groups Cooped up in Polyamide Nanofiltration Membranes to Achieve High Rejection of Micropollutants and High Permeance of Divalent Cations.		2
99	Methods to alleviate the inhibition of sludge anaerobic digestion by emerging contaminants: a review.		1
98	Adsorption and thermal degradation of Atenolol using carbon materials: Towards an advanced and sustainable drinking water treatment. 2022 , 49, 102987		0
97	Engineered microbes as effective tools for the remediation of polyaromatic aromatic hydrocarbons and heavy metals. <i>Chemosphere</i> , 2022 , 306, 135538	8.4	1
96	Occurrence, hazard, and risk of psychopharmaceuticals and illicit drugs in European surface waters. 2022 , 222, 118878		1
95	Antiretroviral Drugs in Water: An African Challenge with Kenya and South Africa as Hotspots and Plausible Remediation Strategies.		0
94	Synthesis of TiC@C-anatase/rutile@polyvinyl alcohol/xylan: a powerful photocatalyst for degradation of organic pollutant under visible light. 2022 , 9,		0
93	Adsorption of pharmaceutical products from aqueous solutions on functionalized carbon nanotubes by conventional and green methods: A critical review. 2022 , 133743		3
92	Source Apportionment, Hydrodynamic Influence, and Environmental Stress of Pharmaceuticals in a Microtidal Estuary with Multiple Outlets in South China. 2022 , 56, 11374-11386		0
91	Gadolinium based contrast agents (GBCAs): Uniqueness, aquatic toxicity concerns, and prospective remediation. 2022 , 104057		0
90	Octocrylene: From Sunscreens to the Degradation Pathway during Chlorination Processes: Formation of Byproducts and Their Ecotoxicity Assessment. 2022 , 27, 5286		
89	Radiolytic degradation of β -lactam and tetracycline antibiotics in the presence of protein. 2022 , 364, 119965		
88	Removal of pharmaceuticals by vertical flow constructed wetland with different configurations: Effect of inlet load and biochar addition in the substrate. 2022 , 307, 135975		0
87	Biochar from palm fiber wastes as an activator of different oxidants for the elimination of pharmaceuticals from diverse classes in aqueous samples. 2022 , 323, 116148		0
86	An overall assessment of the effects of antidepressant paroxetine on aquatic organisms and human cells. 2022 , 852, 158393		0

85	Electro-oxidation of tetracycline in ethanol-water mixture using DSA-Cl ₂ anode and stimulating/monitoring the formation of organic radicals. 2022 , 308, 136487	0
84	Emerging impacts of steroids and antibiotics on the environment and their remediation using constructed wetlands: A critical review. 2023 , 451, 138759	0
83	Emerging pollutants in water bodies. 2022 , 23-38	0
82	Microbes as an effective tool to mitigate emerging pollutants. 2022 , 119-149	0
81	High-frequency ultrasound processes as alternative methods for degrading meropenem antibiotic in water. 2022 , 9, 101835	0
80	Degradation of isoniazid by anodic oxidation and subcritical water oxidation methods: Application of BoxBehnken design. 2022 , 40, 1-26	1
79	Aqueous ibuprofen sorption by using activated walnut shell biochar: process optimization and cost estimation. 2022 , 1, 530-545	1
78	Diclofenac removal by the microalgae species <i>Chlorella vulgaris</i> , <i>Nannochloropsis oculata</i> , <i>Scenedesmus acutus</i> , and <i>Scenedesmus obliquus</i> . 2022 , 12,	0
77	Biocatalysis assisted by electrochemical processes for the removal of bisphenol A and triclosan in wastewater. 2022 , 102921	1
76	Efficient cleanup of emerging contaminants by green biosynthesized Z-scheme-type Bi ₂ O ₃ @CdS nanocomposite with improved photoactivity.	2
75	Flow-based Detection of Micropollutants Using a Pillar[5]arene Multilayer Film.	0
74	Catalytic Processes for Removal of Emerging Water Pollutants. 2022 , 290-325	1
73	Insight into advanced oxidation processes for the degradation of fluoroquinolone antibiotics: Removal, mechanism, and influencing factors. 2022 , 159172	0
72	Adsorption-desorption of organic micropollutants by powdered activated carbon and coagulant in drinking water treatment. 2022 , 49, 103190	0
71	Solar driven photocatalytic dye degradation through the novel Ti ₂ CD ₂ ZnCo ₂ O ₄ MXenes nanocomposite. 2022 , 133, 113034	0
70	Removal of organic micropollutants from wastewater effluent: Selective adsorption by a fixed-bed granular zeolite filter followed by in-situ ozone-based regeneration. 2022 , 303, 122303	0
69	Covalent organic framework membranes prepared via mixed linker modulated assembly for hydrogen peroxide enrichment. 2022 , 663, 121043	0
68	Environmental persistence, detection, and mitigation of endocrine disrupting contaminants in wastewater treatment plants: A review with a focus on tertiary treatment technologies.	0

- 67 Low Pressure UV Photolysis of the Pharmaceutical Compounds Acetaminophen, Atenolol, Bezafibrate, Diclofenac and Ibuprofen. **2022**, 14, 3165 ○
- 66 Synthesis, Characterization and Photocatalytic Activity of CoFe₂O₄/Fe₂O₃ Dispersed in Mesoporous KIT-6. **2022**, 12, 3566 ○
- 65 UV-light-driven conversion of gadoterate meglumine: Insight into the photocatalyst's influence on conversion pathway, transformation products, and release of toxic ionic gadolinium. **2022**, 106544 ○
- 64 Boosted Activity of g-C₃N₄/UiO-66-NH₂ Heterostructures for the Photocatalytic Degradation of Contaminants in Water. **2022**, 23, 12871 ○
- 63 A Comprehensive Review for Removal of Non-Steroidal Anti-Inflammatory Drugs Attained from Wastewater Observations Using Carbon-Based Anodic Oxidation Process. **2022**, 10, 598 ○
- 62 Graphitic Carbon Nitride as Visible-Light Photocatalyst Boosting Ozonation in Wastewater Treatment. **2022**, 12, 3494 ○
- 61 Mechanism and thermodynamics of adsorption of diclofenac on graphene-based nanomaterials. **2022**, 10, 108789 ○
- 60 Co-doped Fe₃O₄/FeOOH for highly efficient peroxymonosulfate activation to degrade trimethoprim: Occurrence of hybrid non-radical and radical pathways. **2023**, 325, 116459 ○
- 59 Towards attaining SDG 6: The opportunities available for capacitive deionization technology to provide clean water to the African population. **2023**, 216, 114671 ○
- 58 Metal-organic frameworks for the adsorptive removal of pharmaceutically active compounds (PhACs): Comparison to activated carbon. **2023**, 475, 214877 ○
- 57 Ex-situ magnetic activated carbon for the adsorption of three pharmaceuticals with distinct physicochemical properties from real wastewater. **2023**, 443, 130258 ○
- 56 Periodic mesoporous organosilicas containing naphthalenediimides as organic sensitizers for sulfadiazine photodegradation. **2023**, 443, 130224 ○
- 55 Syntheses, structures and photocatalytic properties of three Cd(II) coordination polymers induced by the dicarboxylate regulator. **2022**, 116192 ○
- 54 Evaluating the Performance of Ball-Milled Silk Fibroin Films for Simultaneous Adsorption of Eight Pharmaceuticals from Water. **2022**, 19, 14922 ○
- 53 A General Overview of Heterogeneous Photocatalysis as a Remediation Technology for Wastewaters Containing Pharmaceutical Compounds. **2022**, 14, 3588 3
- 52 Magnetic NH₂-MIL-101(Al)/Chitosan nanocomposite as a novel adsorbent for the removal of azithromycin: modeling and process optimization. **2022**, 12, ○
- 51 Recent Advances in Carbon-Based Materials for Adsorptive and Photocatalytic Antibiotic Removal. **2022**, 12, 4045 1
- 50 Sonochemical processes for antibiotics removal from water and wastewater: A systematic review. **2022**, ○

- 49 Treatment of emerging contaminants in simulated wastewater via tandem photo-Fenton-like reaction and nutrient recovery. ○
- 48 Adsorption mechanism and performance of tetracycline on different biochar-based amphoteric clays. **2023**, 129, 103352 ○
- 47 Electron beam irradiation applied for the detoxification and degradation of single ciprofloxacin aqueous solution and multiclass pharmaceutical quaternary mixture. **2023**, 307, 122818 ○
- 46 Investigation of Pharmaceuticals in Sakarya Sewage Wastewater. ○
- 45 Synthesis, Characterization, and Application of Pt/PtO₂-TiO₂/SiO₂ Materials on a Continuous Flow Packed Bed Microreactor for Enhanced Photocatalytic Activity under Sunlight. **2022**, 14, 3864 ○
- 44 Enhanced Adsorption of Sulfonamides by Attapulgite-Doped Biochar Prepared with Calcination. **2022**, 27, 8076 ○
- 43 Occurrence of Selected Emerging Contaminants in Southern Europe WWTPs: Comparison of Simulations and Real Data. **2022**, 10, 2491 1
- 42 Sustainable Green Doped Nanomaterials for Emerging Contaminants Removal. **2023**, 1-30 ○
- 41 Validaci3n de un m3todo por cromatograf3a l3quida de alta resoluci3n para la determinaci3n simult3nea de diclofenaco e ibuprofeno en aguas. **2022**, 35, ○
- 40 Removal of Environmentally Harmful and Hardly Degradable Pharmaceuticals Sulfamethoxazole, Diclofenac, and Cetirizine by Adsorption on Activated Charcoal. **2022**, 14, 3988 ○
- 39 Activated Charcoal/Alginate Nanocomposite Beads for Efficient Adsorption of the Cationic Dye Methylene Blue: Kinetics and Equilibrium. ○
- 38 Removal of pharmaceutical contaminants through membrane bioreactor. **2022**, ○
- 37 Adsorption Study of Paracetamol with Graphene oxide Synthesized from Agricultural waste. **2022**, 7, 69-75 ○
- 36 Design and synthesis of TiO₂/Ti₃C₂ composites for highly efficient photocatalytic removal of acetaminophen: The relationships between synthesis parameters, physicochemical properties, and photocatalytic activity. **2022**, ○
- 35 The burden of emerging contaminants upon an Atlantic Ocean marine protected reserve adjacent to Camps Bay, Cape Town, South Africa. **2022**, e12625 1
- 34 Non-steroidal Anti-inflammatory Drug (NSAID) Naproxen-Induced Hepatotoxicity in a Freshwater Fish *Labeo rohita*. **2023**, 234, ○
- 33 Removal of Contaminants of Emerging Concern from a Wastewater Effluent by Solar-Driven Heterogeneous Photocatalysis: A Case Study of Pharmaceuticals. **2023**, 234, ○
- 32 Optimization of acetaminophen adsorption onto biodegradable waste-derived activated carbon using response surface methodology. **2023**, ○

- 31 Removal of pharmaceutical compounds from water. **2023**, ○
- 30 Efficient degradation of sulfamethoxazole in various waters with peroxymonosulfate activated by magnetic-modified sludge biochar: Surface-bound radical mechanism. **2023**, 319, 121010 ○
- 29 Designing sustainable membrane-based water treatment via fouling control through membrane interface engineering and process developments. **2023**, 312, 102834 ○
- 28 Lignin nanoparticle-decorated nanocellulose cryogels as adsorbents for pharmaceutical pollutants. **2023**, 330, 117210 1
- 27 Molecular imprinting functionalization of magnetic biochar to adsorb sulfamethoxazole: Mechanism, regeneration and targeted adsorption. **2023**, 171, 238-249 ○
- 26 The Application of Polymer Inclusion Membranes for the Removal of Emerging Contaminants and Synthetic Dyes from Aqueous Solutions A Mini Review. **2023**, 13, 132 ○
- 25 Consequences of pharmaceutically active compounds and their removal strategies. **2023**, 269-300 ○
- 24 Photocatalytic Degradation of Pharmaceutical Amisulpride Using g-C₃N₄ Catalyst and UV-A Irradiation. **2023**, 13, 226 ○
- 23 CONTAMINANTES EMERGENTES: UM RISCO À SAÚDE. **2023**, 36-59 ○
- 22 Synthesis and characterization of graphitic carbon nitride composite with NiFe₂O₄/CdO for photocatalytic treatment of diclofenac sodium and crystal violet. **2023**, 139, 113721 ○
- 21 Polyelectrolyte and polyelectrolyte complex-incorporated adsorbents in water and wastewater remediation A review of recent advances. **2023**, 325, 138418 ○
- 20 How environmentally friendly is the analytical process? A paradigm overview of ten greenness assessment metric approaches for analytical methods. **2023**, 38, e00202 ○
- 19 Photocatalytic Oxidation/Ozonation Processes. **2023**, 13, 314 ○
- 18 Dual functional materials capable of integrating adsorption and Fenton-based oxidation processes for highly efficient removal of pharmaceutical contaminants. **2023**, 52, 103566 ○
- 17 Contamination of Sewage Water with Active Pharmaceutical Ingredients: An Emerging Threat to Food Products and Human Health. **2023**, 193-231 ○
- 16 Electrochemical degradation of 10,11-dihydro-10-hydroxy carbamazepine as the main metabolite of carbamazepine. **2023**, 30, 50457-50470 ○
- 15 AOP-Based Transformation of Abacavir in Different Environments: Evolution Profile of Descyclopropyl-Abacavir and In Silico Toxicity Assessment of the Main Transformation Products. **2023**, 28, 1866 ○
- 14 Main Issues in the Synthesis and Testing of Thermocatalytic Ce-Doped SrFeO₃ Perovskites for Wastewater Pollutant Removal. **2023**, 11, 85 1

- 13 Elucidating the Effects of the Lipids Regulators Fibrates and Statins on the Health Status of Finfish Species: A Review. **2023**, 13, 792 ○
- 12 Characterization and biodegradation of paracetamol by biomass of *Bacillus licheniformis* strain PPY-2 isolated from wastewater. ○
- 11 Homogeneous Advanced Oxidation Processes for the Removal of Pharmaceutically Active Compounds—Current Status and Research Gaps. **2023**, 181-210 ○
- 10 Electrodeposited manganese oxides as efficient photocatalyst for the degradation of tetracycline antibiotics pollutant. **2023**, 462, 142202 ○
- 9 A study to assess the health effects of an anticancer drug (cyclophosphamide) in zebrafish (*Danio rerio*): eco-toxicity of emerging contaminants. ○
- 8 Introduction. **2023**, 1-10 ○
- 7 Reclamation of wastewater polluted with antihypertensive drug residues by the biological+solar-photocatalytic sequential treatment plant. **2023**, 9, 001-005 ○
- 6 Effective degradation of tetracycline via recyclable free-standing three-dimensional copper-based graphene as a persulfate catalyst. ○
- 5 Photocatalytic Azo Dye Degradation Using Graphite Carbon Nitride Photocatalyst and UV-A Irradiation. **2023**, 13, 577 ○
- 4 Role of bio-electrochemical technology for enzyme activity stimulation in high-consumption pharmaceuticals biodegradation. **2023**, 13, ○
- 3 Estimation of Global Water Quality in Four Municipal Wastewater Treatment Plants over Time Based on Statistical Methods. **2023**, 15, 1520 ○
- 2 Unraveling the Roles of MW/UV/TiO₂ Photocatalysis Technologies for Organic Wastewater Treatment. **2023**, 13, 754 ○
- 1 Polarity and Functionality Tailored Conjugated Microporous Polymer Coatings on Silica Microspheres for Enhanced Pollutant Adsorption—**2023**, ○