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Removal of residual pharmaceuticals from aqueous systems by advanced oxidation processes

DOI: 10.1016/j.envint.2008.07.009

Environment International, 2009, 35, 402-17.

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825	Solar photocatalytic mineralization of antibiotics using magnetically separable NiFe <sub>2</sub> O <sub>4</sub> supported onto graphene sand composite and bentonite. <b>2016</b> , 14, 86-100	67
824	Pharmaceutical removal from water with iron- or manganese-based technologies: A review. <b>2016</b> , 46, 1584-1621	27
823	Sulfate radical-based oxidation of fluoroquinolone antibiotics: Kinetics, mechanisms and effects of natural water matrices. <b>2016</b> , 106, 507-517	168
822	Adsorptive Removal of Pharmaceuticals and Personal Care Products from Water with Functionalized Metal-organic Frameworks: Remarkable Adsorbents with Hydrogen-bonding Abilities. <b>2016</b> , 6, 34462	142
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819	Ecotoxicological impact of two soil remediation treatments in <i>Lactuca sativa</i> seeds. <b>2016</b> , 159, 193-198	35
818	Ibuprofen removal from aqueous solution by in situ electrochemically generated ferrate(VI): proof-of-principle. <b>2016</b> , 73, 389-95	6
817	Efficient removal of paracetamol using LaCu <sub>3</sub> MxO <sub>3</sub> (M = Mn, Ti) perovskites as heterogeneous Fenton-like catalysts. <b>2016</b> , 304, 408-418	52

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814	Mechanism and kinetics of electrochemical degradation of uric acid using conductive-diamond anodes. <b>2016</b> , 37, 2993-3001	9
813	Radiation removal of synthetic estrogens in aqueous solution: influence of reduction or oxidation system and toxicity test. <b>2016</b> , 27, 1	3
812	Comparative studies in electrochemical degradation of sulfamethoxazole and diclofenac in water by using various electrodes and phosphate and sulfate supporting electrolytes. <b>2016</b> , 51, 954-61	15
811	Adsorptional photocatalytic mineralization of oxytetracycline and ampicillin antibiotics using Bi <sub>2</sub> O <sub>3</sub> /BiOCl supported on graphene sand composite and chitosan. <b>2016</b> , 479, 271-283	100
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650	Evolution of Toxicity and Estrogenic Activity Throughout AOPB Surface and Drinking Water Treatment. <b>2017</b> , 387-403	
649	Occurrence of Emerging Micropollutants in Water Systems in Gauteng, Mpumalanga, and North West Provinces, South Africa. <b>2017</b> , 14,	43
648	Treatment of Antibiotics in Wastewater Using Advanced Oxidation Processes (AOPs). <b>2017</b> ,	27
647	In situ concentration-polarization-enhanced radical graft polymerization of NF270 for mitigating silica fouling and improving pharmaceutical and personal care product rejection. <b>2018</b> , 552, 387-395	16
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640	Construction of Ag/g-C <sub>3</sub> N <sub>4</sub> photocatalysts with visible-light photocatalytic activity for sulfamethoxazole degradation. <b>2018</b> , 341, 547-555	103
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634	Degradation of Pharmaceutical Contaminant in Water via Fountain Photoreactor. <b>2018</b> , 211-214	
633	Individual and simultaneous degradation of antibiotics sulfamethoxazole and trimethoprim by UV and solar radiation in aqueous solution using bentonite and vermiculite as photocatalysts. <b>2018</b> , 160, 217-225	27
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629	Adsorption dynamics and mechanism of aqueous sulfachloropyridazine and analogues using the root powder of recyclable long-root <i>Eichhornia crassipes</i> . <b>2018</b> , 196, 409-417	30
628	Adsorptive removal of wide range of pharmaceuticals and personal care products from water using bio-MOF-1 derived porous carbon. <b>2018</b> , 270, 102-108	50
627	Removal of pathogenic bacteria from sewage-treated effluent and biosolids for agricultural purposes. <b>2018</b> , 8, 1	62
626	UV-Hydrogen Peroxide Processes. <b>2018</b> , 13-48	13
625	Wastewater treatment for Amoxicillin removal using magnetic adsorbent synthesized by ultrasound process. <b>2018</b> , 45, 248-256	28
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478	Degradation of Nystatin in aqueous medium by coupling UV-C irradiation, HO <sub>2</sub> photolysis, and photo-Fenton processes. <b>2019</b> , 26, 23149-23161	8
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467	Linearity and non-linearity analysis of isotherms and kinetics for ibuprofen remotion using superheated steam and acid modified biochar. <b>2019</b> , 126, 193-204	21
466	Removal of pharmaceuticals and personal care products by aquatic plants. <b>2019</b> , 321-340	2
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464	Photodegradation of pharmaceutical compounds in partially nitritated wastewater during UV irradiation. <b>2019</b> , 5, 897-909	10
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454	The Role of Mediated Oxidation on the Electro-irradiated Treatment of Amoxicillin and Ampicillin Polluted Wastewater. <b>2019</b> , 9, 9	11
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452	Microalgae for Biodiesel Production and Pharmaceutical Removal from Water. <b>2019</b> , 1-28	2
451	Synthesis of Mn-doped TiO <sub>2</sub> by novel route and photocatalytic mineralization/intermediate studies of organic pollutants. <b>2019</b> , 45, 2927-2945	30
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448	Adsorptive removal of diclofenac and ibuprofen from aqueous solution by organobentonites: Study in single and binary systems. <b>2019</b> , 8, 520-529	25
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441	Catalytic Degradation of 4-Ethylpyridine in Water by Heterogeneous Photo-Fenton Process. <b>2019</b> , 9, 5073	1
440	Fenton-modified <i>Malacantha alnifolia</i> tree bark for effective surface separation of tetracycline. <b>2019</b> , 11, 1853	2
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437	Removal of micropollutants from water in a continuous-flow electrical discharge reactor. <b>2019</b> , 362, 238-245	40
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435	Nanocomposite membranes for water separation and purification: Fabrication, modification, and applications. <b>2019</b> , 213, 465-499	217
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432	Solar photo-Fenton oxidation followed by adsorption on activated carbon for the minimisation of antibiotic resistance determinants and toxicity present in urban wastewater. <b>2019</b> , 244, 871-880	60
431	Degradation of the flame retardant triphenyl phosphate by ferrous ion-activated hydrogen peroxide and persulfate: Kinetics, pathways, and mechanisms. <b>2019</b> , 361, 929-936	47
430	BiNiS/Bi <sub>2</sub> O <sub>3</sub> Nanocomposites for Enhanced Photocatalytic Degradation of Tramadol. <b>2019</b> , 2, 395-407	39
429	Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. <b>2019</b> , 359, 1427-1435	21
428	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <b>2019</b> , 655, 986-1008	319
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425	Semiconductor Photocatalysis for Water Purification. <b>2019</b> , 581-651	31
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423	Adsorption of Fluoxetine and Venlafaxine onto the Marine Seaweed <i>Bifurcaria bifurcata</i> . <b>2019</b> , 36, 573-582	10
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4 <sup>19</sup>	Efficient removal of the pharmaceutical pollutants included in the EU Watch List (Decision 2015/495) by modified magnetite/H <sub>2</sub> O <sub>2</sub> . <b>2019</b> , 376, 120265	9
4 <sup>18</sup>	Singlet oxygen-dominated non-radical oxidation process for efficient degradation of bisphenol A under high salinity condition. <b>2019</b> , 148, 416-424	35 <sup>0</sup>
4 <sup>17</sup>	Photocatalytic ozonation degradation of ciprofloxacin using ZnO nanoparticles immobilized on the surface of stones. <b>2019</b> , 40, 846-854	32
4 <sup>16</sup>	Selective adsorption and removal of drug contaminants by using an extremely stable Cu(II)-based 3D metal-organic framework. <b>2019</b> , 215, 524-531	81
4 <sup>15</sup>	Electro-technologies for the removal of 2,4,6-trichloroanisole from naturally contaminated cork discs: Reactor design and proof of concept. <b>2019</b> , 361, 80-88	2
4 <sup>14</sup>	Abatement of Amoxicillin, Ampicillin, and Chloramphenicol From Aqueous Solutions Using Activated Carbon Prepared From Grape Slurry. <b>2019</b> , 47, 1800077	8
4 <sup>13</sup>	Visible-light photocatalytic fuel cell with Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>0</sub> /TiO <sub>2</sub> anode and WO <sub>3</sub> cathode efficiently degrades berberine chloride and stably generates electricity. <b>2019</b> , 212, 774-782	25
4 <sup>12</sup>	The design of a sunlight-focusing and solar tracking system: A potential application for the degradation of pharmaceuticals in water. <b>2019</b> , 214, 452-461	9
4 <sup>11</sup>	Using in situ modification to enhance organic fouling resistance and rejection of pharmaceutical and personal care products in a thin-film composite nanofiltration membrane. <b>2019</b> , 26, 34073-34084	11
4 <sup>10</sup>	Design and application of heterogeneous catalysts as peroxydisulfate activator for organics removal: An overview. <b>2019</b> , 358, 110-133	138
4 <sup>09</sup>	Ciprofloxacin degradation in photo-Fenton and photo-catalytic processes: Degradation mechanisms and iron chelation. <b>2019</b> , 80, 82-92	23
4 <sup>08</sup>	Coupling Ultrasound to the Electro-Oxidation of Methyl Paraben Synthetic Wastewater: Effect of Frequency and Supporting Electrolyte. <b>2019</b> , 6, 1199-1205	14
4 <sup>07</sup>	Revision of the mechanisms behind oil-water (O/W) emulsion preparation by ultrasound and cavitation. <b>2019</b> , 51, 298-304	30
4 <sup>06</sup>	Photocatalysis of Eblockers [An overview. <b>2019</b> , 12, 1290-1297	10
4 <sup>05</sup>	Influence of UV dose on the UV/HO process for the degradation of carbamazepine in wastewater. <b>2019</b> , 40, 3031-3039	4
4 <sup>04</sup>	Management of Greywater in Developing Countries. <b>2019</b> ,	1
4 <sup>03</sup>	Enhanced accessibility of active sites in hierarchical ZSM-5 zeolite for removal of pharmaceutically active substances: Adsorption and microcalorimetric study. <b>2020</b> , 13, 1945-1954	11

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364	Adsorption behaviour of estrogenic contaminant, estriol, using Saponin and Brij 35 modified clinoptilolite: equilibrium, kinetic, and thermodynamic studies plus fixed bed modelling. <b>2020</b> , 67, 62	1
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359	Kinetics and Mechanism of Oxidation of Carbenicillin by Copper (III) Periodate Complex in Aqueous Alkaline Medium. <b>2020</b> , 2020, 1-13	0
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337	Submerged photocatalytic membrane reactor with suspended and immobilized N-doped TiO <sub>2</sub> under visible irradiation for diclofenac removal from wastewater. <b>2020</b> , 142, 229-237	22
336	Oxytetracycline and Monensin Uptake by Tifton 85 Bermudagrass from Dairy Manure-Applied Soil. <b>2020</b> , 10, 468	2
335	Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. <b>2020</b> , 393, 124770	16
334	Degradation of methotrexate by UV/peroxymonosulfate: Kinetics, effect of operational parameters and mechanism. <b>2020</b> , 28, 2658-2667	10
333	Nanoadsorbents for wastewater treatment: next generation biotechnological solution. <b>2020</b> , 17, 4095-4132	38
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323	Study on degradation performance and stability of high temperature etching boron-doped diamond electrode. <b>2020</b> , 514, 146091	10
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321	Comprehensive Evaluation on the Bio-Toxicity of Three Advanced Wastewater Treatment Processes. <b>2020</b> , 231, 1	1
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318	Fabrication, characterization, and application of ternary magnetic recyclable BiWO <sub>4</sub> /BiOI@FeO composite for photodegradation of tetracycline in aqueous solutions. <b>2020</b> , 270, 110839	25
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316	Complete Photocatalytic Mineralization of Microplastic on TiO Nanoparticle Film. <b>2020</b> , 23, 101326	52
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313	Removal of Ketoprofen from Water by Sono-Activated Persulfate Oxidation. <b>2020</b> , 231, 1	1

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309	Advanced oxidation processes using catalytic nanomaterials for air and water remediation. <b>2020</b> , 167-192	1
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