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## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sulfamethazine degradation in water by the VUV/UV process: Kinetics, mechanism and antibacterial activity determination based on a mini-fluidic VUV/UV photoreaction system. <i>Water Research</i> , 2017, 108, 348-355.	5.3	98
2	VUV/UV/Chlorine as an Enhanced Advanced Oxidation Process for Organic Pollutant Removal from Water: Assessment with a Novel Mini-Fluidic VUV/UV Photoreaction System (MVPS). <i>Environmental Science &amp; Technology</i> , 2016, 50, 5849-5856.	4.6	76
3	UV photolysis kinetics of sulfonamides in aqueous solution based on optimized fluence quantification. <i>Water Research</i> , 2015, 75, 43-50.	5.3	67
4	Methylene blue degradation by the VUV/UV/persulfate process: Effect of pH on the roles of photolysis and oxidation. <i>Journal of Hazardous Materials</i> , 2020, 391, 121855.	6.5	61
5	Accelerated degradation of sulfamethazine in water by VUV/UV photo-Fenton process: Impact of sulfamethazine concentration on reaction mechanism. <i>Journal of Hazardous Materials</i> , 2018, 344, 1181-1187.	6.5	53
6	Bench- and pilot-scale studies on the removal of pesticides from water by VUV/UV process. <i>Chemical Engineering Journal</i> , 2018, 342, 155-162.	6.6	42
7	Organic Pollutant Degradation in Water by the Vacuum-Ultraviolet/Ultraviolet/H <sub>2</sub> O <sub>2</sub> Process: Inhibition and Enhancement Roles of H <sub>2</sub> O <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 912-918.	4.6	42
8	In Situ Measurement of UV Fluence Rate Distribution by Use of a Micro Fluorescent Silica Detector. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3034-3039.	4.6	35
9	Trace Organic Pollutant Removal by VUV/UV/chlorine Process: Feasibility Investigation for Drinking Water Treatment on a Mini-Fluidic VUV/UV Photoreaction System and a Pilot Photoreactor. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7426-7433.	4.6	35
10	Impact of reflection on the fluence rate distribution in a UV reactor with various inner walls as measured using a micro-fluorescent silica detector. <i>Water Research</i> , 2012, 46, 3595-3602.	5.3	31
11	UV activated monochloramine promotes metribuzin degradation and disinfection by-products formation. <i>Chemical Engineering Journal</i> , 2020, 385, 123846.	6.6	28
12	Micropollutant Degradation by the UV/H <sub>2</sub> O <sub>2</sub> Process: Kinetic Comparison among Various Radiation Sources. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5241-5248.	4.6	27
13	Ray Tracing for Fluence Rate Simulations in Ultraviolet Photoreactors. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4738-4745.	4.6	19
14	Enhancement of micropollutant degradation in UV/H <sub>2</sub> O <sub>2</sub> process via iron-containing coagulants. <i>Water Research</i> , 2020, 172, 115497.	5.3	18
15	A review of the fluence determination methods for UV reactors: Ensuring the reliability of UV disinfection. <i>Chemosphere</i> , 2022, 286, 131488.	4.2	17
16	Dimethoate degradation by VUV/UV process: Kinetics, mechanism and economic feasibility. <i>Chemosphere</i> , 2021, 273, 129724.	4.2	16
17	VUV/UV light inducing accelerated phenol degradation with a low electric input. <i>RSC Advances</i> , 2017, 7, 7640-7647.	1.7	14
18	Inspection of Feasible Calibration Conditions for <sup>35</sup> Sr Radiometer Detectors with the <sup>35</sup> Sr/ <sup>35</sup> Sr/ <sup>35</sup> Sr Actinometer. <i>Photochemistry and Photobiology</i> , 2015, 91, 68-73.	1.3	13

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19	On-Site Determination and Monitoring of Real-Time Fluence Delivery for an Operating UV Reactor Based on a True Fluence Rate Detector. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8094-8100.	4.6	11
20	Estimating the fluence delivery in UV disinfection reactors using a "detector-model"™ combination method. <i>Chemical Engineering Journal</i> , 2013, 233, 39-46.	6.6	10
21	Micropollutant degradation by UV/H <sub>2</sub> O <sub>2</sub> in drinking water: Facilitated prediction through combination of model simulation and portable measurement. <i>Water Research</i> , 2022, 221, 118794.	5.3	10
22	Development of monitored tunable biosimetry for fluence validation in an ultraviolet disinfection reactor. <i>Separation and Purification Technology</i> , 2013, 117, 12-17.	3.9	9
23	Experimental Assessment of Photon Fluence Rate Distributions in a Medium-Pressure UV Photoreactor. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3453-3460.	4.6	8
24	Organic pollutant degradation by UV/peroxydisulfate process: Impacts of UV light source and phosphate buffer. <i>Chemosphere</i> , 2022, 292, 133387.	4.2	7
25	Experimental Evaluation of Turbidity Impact on the Fluence Rate Distribution in a UV Reactor Using a Microfluorescent Silica Detector. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13241-13247.	4.6	5
26	Improved Method for Real-Time Fluence Monitoring in UV Reactors. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, .	0.7	4