

Angela Yu-Chen Lin

List of Publications by Citations

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

79 papers	4,802 citations	37 h-index	69 g-index
82 ext. papers	5,390 ext. citations	8.5 avg, IF	6 L-index

#	Paper	IF	Citations
79	Impacts of emerging organic contaminants on freshwater resources: review of recent occurrences, sources, fate and effects. <i>Science of the Total Environment</i> , 2010 , 408, 6062-9	10.2	724
78	Pharmaceutical contamination in residential, industrial, and agricultural waste streams: risk to aqueous environments in Taiwan. <i>Chemosphere</i> , 2008 , 74, 131-41	8.4	290
77	Occurrence of pharmaceuticals in Taiwan's surface waters: impact of waste streams from hospitals and pharmaceutical production facilities. <i>Science of the Total Environment</i> , 2009 , 407, 3793-802	10.2	255
76	Photodegradation of common environmental pharmaceuticals and estrogens in river water. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1303-9	3.8	242
75	Removal of pharmaceuticals in secondary wastewater treatment processes in Taiwan. <i>Journal of Hazardous Materials</i> , 2009 , 167, 1163-9	12.8	217
74	Phototransformation of cephalosporin antibiotics in an aqueous environment results in higher toxicity. <i>Environmental Science & Technology</i> , 2012 , 46, 12417-26	10.3	173
73	Sorption and biodegradation of sulfonamide antibiotics by activated sludge: experimental assessment using batch data obtained under aerobic conditions. <i>Water Research</i> , 2011 , 45, 3389-97	12.5	170
72	Sonolytic Destruction of Methyltert-Butyl Ether by Ultrasonic Irradiation: The Role of O ₃ , H ₂ O ₂ , Frequency, and Power Density. <i>Environmental Science & Technology</i> , 1999 , 33, 3199-3205	10.3	169
71	Potential for biodegradation and sorption of acetaminophen, caffeine, propranolol and acebutolol in lab-scale aqueous environments. <i>Journal of Hazardous Materials</i> , 2010 , 183, 242-50	12.8	125
70	The impact of semiconductor, electronics and optoelectronic industries on downstream perfluorinated chemical contamination in Taiwanese rivers. <i>Environmental Pollution</i> , 2009 , 157, 1365-72	9.3	122
69	Fate of sulfonamide antibiotics in contact with activated sludge--sorption and biodegradation. <i>Water Research</i> , 2012 , 46, 1301-8	12.5	117
68	Removal of pharmaceuticals and organic matter from municipal wastewater using two-stage anaerobic fluidized membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 165, 42-9	11	100
67	Effects of mass retention of dissolved organic matter and membrane pore size on membrane fouling and flux decline. <i>Water Research</i> , 2009 , 43, 389-94	12.5	98
66	Natural attenuation of pharmaceuticals and alkylphenol polyethoxylate metabolites during river transport: photochemical and biological transformation. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1458-64	3.8	98
65	O(3) and O(3)/H(2)O(2) treatment of sulfonamide and macrolide antibiotics in wastewater. <i>Journal of Hazardous Materials</i> , 2009 , 171, 452-8	12.8	95
64	Photocatalytic oxidation of 5-fluorouracil and cyclophosphamide via UV/TiO ₂ in an aqueous environment. <i>Water Research</i> , 2014 , 48, 559-68	12.5	88
63	High levels of perfluorochemicals in Taiwan's wastewater treatment plants and downstream rivers pose great risk to local aquatic ecosystems. <i>Chemosphere</i> , 2010 , 80, 1167-74	8.4	88

62	Impact of wastewaters and hospital effluents on the occurrence of controlled substances in surface waters. <i>Chemosphere</i> , 2010 , 81, 562-70	8.4	87
61	Decomposition of perfluorocarboxylic acids (PFCAs) by heterogeneous photocatalysis in acidic aqueous medium. <i>Chemosphere</i> , 2009 , 77, 242-8	8.4	81
60	Comparison of rhodamine WT and bromide in the determination of hydraulic characteristics of constructed wetlands. <i>Ecological Engineering</i> , 2003 , 20, 75-88	3.9	80
59	Sonication-assisted photocatalytic decomposition of perfluorooctanoic acid. <i>Chemosphere</i> , 2009 , 75, 654-660	8.4	72
58	Occurrence of pharmaceuticals, hormones, and perfluorinated compounds in groundwater in Taiwan. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 256	3.1	70
57	Phototransformation determines the fate of 5-fluorouracil and cyclophosphamide in natural surface waters. <i>Environmental Science & Technology</i> , 2013 , 47, 4104-12	10.3	64
56	Prevalence and sunlight photolysis of controlled and chemotherapeutic drugs in aqueous environments. <i>Environmental Pollution</i> , 2014 , 187, 170-81	9.3	62
55	Is the phototransformation of pharmaceuticals a natural purification process that decreases ecological and human health risks?. <i>Environmental Pollution</i> , 2014 , 186, 203-15	9.3	60
54	Biodegradation and bio-sorption of antibiotics and non-steroidal anti-inflammatory drugs using immobilized cell process. <i>Chemosphere</i> , 2011 , 84, 1216-22	8.4	55
53	Removal of antibiotics and non-steroidal anti-inflammatory drugs by extended sludge age biological process. <i>Chemosphere</i> , 2009 , 77, 175-81	8.4	55
52	Removal of perfluorooctanoic acid and perfluorooctane sulfonate via ozonation under alkaline condition. <i>Journal of Hazardous Materials</i> , 2012 , 243, 272-7	12.8	54
51	The role of bicarbonate anions in methotrexate degradation via UV/TiO ₂ : Mechanisms, reactivity and increased toxicity. <i>Water Research</i> , 2017 , 112, 157-166	12.5	53
50	Increased acute toxicity to fish caused by pharmaceuticals in hospital effluents in a pharmaceutical mixture and after solar irradiation. <i>Chemosphere</i> , 2015 , 139, 190-6	8.4	50
49	Fate of selected pharmaceuticals and personal care products after secondary wastewater treatment processes in Taiwan. <i>Water Science and Technology</i> , 2010 , 62, 2450-8	2.2	48
48	TiO ₂ photocatalytic degradation and transformation of oxazaphosphorine drugs in an aqueous environment. <i>Journal of Hazardous Materials</i> , 2015 , 287, 133-41	12.8	44
47	Ketamine and the metabolite norketamine: persistence and phototransformation toxicity in hospital wastewater and surface water. <i>Water Research</i> , 2014 , 53, 351-60	12.5	42
46	The contribution of dissolved organic nitrogen and chloramines to nitrogenous disinfection byproduct formation from natural organic matter. <i>Water Research</i> , 2013 , 47, 1308-16	12.5	42
45	Treatment of perfluorinated chemicals by electro-microfiltration. <i>Environmental Science & Technology</i> , 2010 , 44, 7914-20	10.3	42

44	Removal of antineoplastic drugs cyclophosphamide, ifosfamide, and 5-fluorouracil and a vasodilator drug pentoxifylline from wastewaters by ozonation. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 508-15	5.1	40
43	Occurrence of Emerging Contaminants in Aquaculture Waters: Cross-Contamination between Aquaculture Systems and Surrounding Waters. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	39
42	Ibuprofen degradation and toxicity evolution during Fe/Oxone/UV process. <i>Chemosphere</i> , 2017 , 167, 415-421	8.4	36
41	Occurrence of perfluorinated compounds in the aquatic environment as found in science park effluent, river water, rainwater, sediments, and biotissues. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 3265-75	3.1	35
40	Persistent endocrine disruption effects in medaka fish with early life-stage exposure to a triazole-containing aromatase inhibitor (letrozole). <i>Journal of Hazardous Materials</i> , 2014 , 277, 141-9	12.8	30
39	Occurrence and fate of pharmaceuticals and personal care products in Taiwan's aquatic environment. <i>Desalination and Water Treatment</i> , 2011 , 32, 57-64		29
38	An internal-illuminated monolith photoreactor towards efficient photocatalytic degradation of ppb-level isopropyl alcohol. <i>Chemical Engineering Journal</i> , 2016 , 296, 11-18	14.7	29
37	Occurrence of pharmaceuticals and perfluorinated compounds and evaluation of the availability of reclaimed water in Kinmen. <i>Emerging Contaminants</i> , 2016 , 2, 135-144	5.8	23
36	Facile fabrication of TiO ₂ -graphene nanocomposites (TGNCs) for the efficient photocatalytic oxidation of perfluorooctanoic acid (PFOA). <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6359-6369	6.8	23
35	Size distribution, biological characteristics and emerging contaminants of aerosols emitted from an urban wastewater treatment plant. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121809	12.8	19
34	Electro-microfiltration treatment of water containing natural organic matter and inorganic particles. <i>Desalination</i> , 2011 , 267, 133-138	10.3	18
33	Photoelectrochemical degradation of perfluorooctanoic acid (PFOA) with GOP25/FTO anodes: Intermediates and reaction pathways. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122247	12.8	17
32	Implications of human pharmaceutical occurrence in the Sindian river of Taiwan: a strategic study of risk assessment. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 261-70		17
31	Characterization of TMAO productivity from carnitine challenge facilitates personalized nutrition and microbiome signatures discovery. <i>Microbiome</i> , 2020 , 8, 162	16.6	17
30	Substructure Reactivity Affecting the Manganese Dioxide Oxidation of Cephalosporins. <i>Environmental Science & Technology</i> , 2018 , 52, 9188-9195	10.3	16
29	Photocatalytic degradation of morphine, methamphetamine, and ketamine by illuminated TiO ₂ and ZnO. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013 , 110, 559-574	1.6	16
28	Photocatalytic oxidation of cytostatic drugs by microwave-treated N-doped TiO ₂ under visible light. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1345-1354	3.5	15
27	Ecotoxicological effect of ketamine: Evidence of acute, chronic and photolysis toxicity to <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017 , 143, 173-179	7	13

26	The effects and the toxicity increases caused by bicarbonate, chloride, and other water components during the UV/TiO degradation of oxazaphosphorine drugs. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14595-14604	5.1	12
25	Waste management to improve food safety and security for health advancement. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2009 , 18, 538-45	1	11
24	The persistence and photostabilizing characteristics of benzotriazole and 5-methyl-1H-benzotriazole reduce the photochemical behavior of common photosensitizers and organic compounds in aqueous environments. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 5911-5920	5.1	10
23	Mechanism and pathways underlying the self-sensitized photodegradation of methotrexate under simulated solar irradiation. <i>Journal of Hazardous Materials</i> , 2019 , 373, 468-475	12.8	9
22	The design of a sunlight-focusing and solar tracking system: A potential application for the degradation of pharmaceuticals in water. <i>Chemosphere</i> , 2019 , 214, 452-461	8.4	9
21	Degradation of methadone by the sunlight/FC process: Kinetics, radical species participation and influence of the water matrix. <i>Chemosphere</i> , 2018 , 209, 104-112	8.4	8
20	Solar photodegradation of the UV filter 4-methylbenzylidene camphor in the presence of free chlorine. <i>Science of the Total Environment</i> , 2020 , 722, 137860	10.2	8
19	Photolytic degradation of ciprofloxacin in solid and aqueous environments: kinetics, phototransformation pathways, and byproducts. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 2303-2312	5.1	8
18	Occurrence of β -blockers and β -agonists in hospital effluents and their receiving rivers in southern Taiwan. <i>Desalination and Water Treatment</i> , 2011 , 32, 49-56		7
17	Effect of Floodplain Restoration on Photolytic Removal of Pharmaceuticals. <i>Environmental Science & Technology</i> , 2020 , 54, 3278-3287	10.3	6
16	Sunlight photolysis mitigates the formation of N-nitrosodimethylamine (NDMA) during the chloramination of methadone. <i>Chemical Engineering Journal</i> , 2020 , 384, 123307	14.7	6
15	Effect of environmental factors on the oxidative transformation of cephalosporin antibiotics by manganese dioxides. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 692-700	4.3	6
14	Urban wastewater treatment plants as a potential source of ketamine and methamphetamine emissions to air. <i>Water Research</i> , 2020 , 172, 115495	12.5	5
13	The occurrence of quinolone and imidazole antibiotics in rivers in Central Taiwan. <i>Desalination and Water Treatment</i> , 2014 , 52, 1143-1152		4
12	Intracellular organic matter from <i>Chlorella vulgaris</i> enhances the photodegradation of acetaminophen. <i>Chemosphere</i> , 2021 , 271, 129507	8.4	4
11	Solar photo-Fenton oxidation of cytostatic drugs via Fe(III)-EDDS at circumneutral pH in an aqueous environment. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102066	6.7	4
10	Kinetics and mechanism of 4-methylbenzylidene camphor degradation by UV-activated persulfate oxidation. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 18021-18034	5.1	4
9	Atherosclerosis amelioration by allicin in raw garlic through gut microbiota and trimethylamine-N-oxide modulation.. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8, 4	8.2	3

8	New insight into PFOS transformation pathways and the associated competitive inhibition with other perfluoroalkyl acids via photoelectrochemical processes using GOTiO film photoelectrodes. <i>Water Research</i> , 2021 , 207, 117805	12.5	3
7	Oxidative Transformation of Controlled Substances by Manganese Dioxide. <i>Scientific World Journal, The</i> , 2015 , 2015, 364170	2.2	2
6	Determination of Perfluorochemicals in Human Milk Using Isotope-dilution Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 544-549	1.5	2
5	Enhanced solar photodegradation of a plasmid-encoded extracellular antibiotic resistance gene in the presence of free chlorine. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 106984	6.8	2
4	Pharmaceutical and anticorrosive substance removal by woodchip column reactor: removal process and effects of operational parameters. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 187-196	4.3	2
3	Photoaged polystyrene microplastics serve as photosensitizers that enhance cimetidine photolysis in an aqueous environment.. <i>Chemosphere</i> , 2021 , 290, 133352	8.4	1
2	Clean water generation through a multifunctional activated carbon-TiO interfacial solar distillation system.. <i>RSC Advances</i> , 2021 , 11, 23036-23044	3.7	1
1	Enhanced sorption of the UV filter 4-methylbenzylidene camphor on aged PET microplastics from both experimental and theoretical perspectives.. <i>RSC Advances</i> , 2021 , 11, 32494-32504	3.7	0