Yu-Ping Chin

List of Publications by Year
in descending order

84 papers	6,478 citations	81743 39 h-index	62479 80 g-index
84 all docs	84 docs citations	84 times ranked	5720 citing authors

#	Article	IF	Citations
1	Molecular Weight, Polydispersity, and Spectroscopic Properties of Aquatic Humic Substances. Environmental Science & Technology, 1994, 28, 1853-1858.	4.6	1,535
2	Binding of Pyrene to Aquatic and Commercial Humic Substances:Â The Role of Molecular Weight and Aromaticity. Environmental Science & Technology, 1997, 31, 1630-1635.	4.6	513
3	Fractionation of aquatic natural organic matter upon sorption to goethite and kaolinite. Chemical Geology, 1999, 157, 275-284.	1.4	196
4	The abundance, distribution, and configuration of porewater organic colloids in recent sediments. Geochimica Et Cosmochimica Acta, 1991, 55, 1309-1317.	1.6	189
5	Adsorption of Natural Organic Polyelectrolytes by Activated Carbon:Â A Size-Exclusion Chromatography Study. Environmental Science & Technology, 1996, 30, 1336-1343.	4.6	185
6	Photosensitized Degradation of Bisphenol A by Dissolved Organic Matterâ€. Environmental Science & Technology, 2004, 38, 5888-5894.	4.6	158
7	The role of fulvic acid composition in the photosensitized degradation of aquatic contaminants. Aquatic Sciences, 2009, 71, 160-169.	0.6	144
8	Abundance and properties of dissolved organic matter in pore waters of a freshwater wetland. Limnology and Oceanography, 1998, 43, 1287-1296.	1.6	143
9	Probing the oxidationâ€“reduction properties of terrestrially and microbially derived dissolved organic matter. Geochimica Et Cosmochimica Acta, 2007, 71, 3003-3015.	1.6	143
10	Complexation of Copper by Zwitterionic Aminosulfonic (Good) Buffers. Analytical Chemistry, 2003, 75, 671-677.	3.2	139
11	Photochemical Fate of Sulfadimethoxine in Aquaculture Waters. Environmental Science & Technology, 2009, 43, 8587-8592.	4.6	135
12	Triplet Photochemistry of Effluent and Natural Organic Matter in Whole Water and Isolates from Effluent-Receiving Rivers. Environmental Science & Technology, 2015, 49, 3453-3463.	4.6	135
13	Role of Dissolved Organic Matter Composition on the Photoreduction of Cr(VI) to Cr(III) in the Presence of Iron. Environmental Science & Technology, 2003, 37, 4403-4409.	4.6	121
14	A Log-Normal Distribution Model for the Molecular Weight of Aquatic Fulvic Acids. Environmental Science & Technology, 2000, 34, 1103-1109.	4.6	118
15	Adsorption of (poly)maleic acid and an aquatic fulvic acid by geothite. Geochimica Et Cosmochimica Acta, 1997, 61, 5313-5324.	1.6	112
16	Fulvic acid mediated photolysis of ibuprofen in water. Water Research, 2011, 45, 4449-4458.	5.3	108
17	Photoinduced Degradation of Carbaryl in a Wetland Surface Water. Journal of Agricultural and Food Chemistry, 2002, 50, 6758-6765.	2.4	91
18	Effect of detector wavelength on the determination of the molecular weight of humic substances by high-pressure size exclusion chromatography. Water Research, 2001, 35, 333-338.	5.3	87

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19	Role of effluent organic matter in the photochemical degradation of compounds of wastewater origin. Water Research, 2017, 110, 170-179.	5.3	87
20	Chemical characterization of dissolved organic material in Pony Lake, a saline coastal pond in Antarctica. Marine Chemistry, 2004, 89, 327-337.	0.9	84
21	Abiotic Degradation of Pentachloronitrobenzene by Fe(II):Â Reactions on Goethite and Iron Oxide Nanoparticles. Environmental Science & Technology, 2004, 38, 4353-4360.	4.6	84
22	Potential for Abiotic Reduction of Pesticides in Prairie Pothole Porewaters. Environmental Science & Technology, 2012, 46, 3177-3187.	4.6	80
23	Binding of Polychlorinated Biphenyls to Aquatic Humic Substances:Â The Role of Substrate and Sorbate Properties on Partitioning. Environmental Science & Technology, 1999, 33, 2715-2718.	4.6	78
24	Solubility Enhancement and Fluorescence Quenching of Pyrene by Humic Substances: The Effect of Dissolved Oxygen on Quenching Processes. Environmental Science & Technology, 1995, 29, 2162-2165.	4.6	72
25	Sources and composition of sediment poreâ€water dissolved organic matter in prairie pothole lakes. Limnology and Oceanography, 2013, 58, 1136-1146.	1.6	69
26	Pesticide Processing Potential in Prairie Pothole Porewaters. Environmental Science & Technology, 2011, 45, 6814-6822.	4.6	67
27	Indirect Photolysis Promoted by Natural and Engineered Wetland Water Constituents:Â Processes Leading to Alachlor Degradation. Environmental Science & Technology, 2005, 39, 4454-4462.	4.6	66
28	Evidence of Incorporation of Abiotic S and N into Prairie Wetland Dissolved Organic Matter. Environmental Science and Technology Letters, 2014, 1, 345-350.	3.9	66
29	Developing the scientific framework for urban geochemistry. Applied Geochemistry, 2016, 67, 1-20.	1.4	66
30	Abundant carbon substrates drive extremely high sulfate reduction rates and methane fluxes in Prairie Pothole Wetlands. Global Change Biology, 2017, 23, 3107-3120.	4.2	64
31	Nucleophilic Aliphatic Substitution Reactions of Propachlor, Alachlor, and Metolachlor with Bisulfide (HS-) and Polysulfides (Sn2-). Environmental Science & Technology, 2002, 36, 4065-4073.	4.6	62
32	Characterizing the properties of dissolved organic matter isolated by XAD and C-18 solid phase extraction and ultrafiltration. Aquatic Sciences, 2005, 67, 61-71.	0.6	54
33	Quantification and characterization of dissolved organic carbon and iron in sedimentary porewater from Green Bay, WI, USA. Biogeochemistry, 2004, 71, 371-386.	1.7	52
34	Influence of Dissolved Organic Matter and Fe(II) on the Abiotic Reduction of Pentachloronitrobenzene. Environmental Science & Technology, 2007, 41, 7337-7342.	4.6	52
35	Influence of Temperature, Relative Humidity, and Soil Properties on the Soilâ€“Air Partitioning of Semivolatile Pesticides: Laboratory Measurements and Predictive Models. Environmental Science & Technology, 2015, 49, 10431-10439.	4.6	52
36	Photosensitized degradation of caffeine: Role of fulvic acids and nitrate. Chemosphere, 2012, 86, 124-129.	4.2	49

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37	Winter Limnology: How do Hydrodynamics and Biogeochemistry Shape Ecosystems Under Ice?. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006237.	1.3	47
38	Abiotic Degradation of Trifluralin by Fe(II):Â Kinetics and Transformation Pathways. Environmental Science & Technology, 2003, 37, 1311-1318.	4.6	45
39	Reduction of Cr(VI) to Cr(III) by Fe(II) in the presence of fulvic acids and in lacustrine pore water. Chemical Geology, 2009, 262, 328-335.	1.4	41
40	Partitioning of Polybrominated Diphenyl Ethers to Dissolved Organic Matter Isolated from Arctic Surface Waters. Environmental Science & Technology, 2014, 48, 4852-4859.	4.6	39
41	An Improved Screening Tool for Predicting Volatilization of Pesticides Applied to Soils. Environmental Science & Technology, 2013, 47, 868-876.	4.6	38
42	Photochemical acetochlor degradation induced by hydroxyl radical in Fe-amended wetland waters: Impact of pH and dissolved organic matter. Water Research, 2018, 132, 52-60.	5.3	37
43	Intercomparison of DPASV and ISE for the Measurement of Cu Complexation Characteristics of NOM in Freshwater. Environmental Science & Technology, 1999, 33, 1766-1770.	4.6	35
44	Highâ€pressure size exclusion chromatography analysis of dissolved organic matter isolated by tangentialâ€flow ultrafiltration. Limnology and Oceanography, 1999, 44, 1316-1322.	1.6	35
45	Hydroxyl Radical Production from Irradiated Arctic Dissolved Organic Matter. Biogeochemistry, 2006, 78, 51-66.	1.7	34
46	Sonochemical reactions of dissolved organic matter. Research on Chemical Intermediates, 2004, 30, 735-753.	1.3	33
47	High Pressure Size Exclusion Chromatography (HPSEC) Determination of Dissolved Organic Matter Molecular Weight Revisited: Accounting for Changes in Stationary Phases, Analytical Standards, and Isolation Methods. Environmental Science & Technology, 2018, 52, 722-730.	4.6	33
48	Determination of partition coefficients and aqueous solubilities by reverse phase chromatographyâ€”II. Water Research, 1986, 20, 1443-1450.	5.3	32
49	Uptake of Natural and Synthetic Estrogens by Maize Seedlings. Journal of Agricultural and Food Chemistry, 2012, 60, 8264-8271.	2.4	30
50	Assessment of the geochemical reactivity of Fe-DOM complexes in wetland sediment pore waters using a nitroaromatic probe compound. Geochimica Et Cosmochimica Acta, 2009, 73, 1382-1393.	1.6	29
51	When a habitat freezes solid: microorganisms over-winter within the ice column of a coastal Antarctic lake. FEMS Microbiology Ecology, 2011, 76, 401-412.	1.3	28
52	Estimating soil/sediment partition coefficients for organic compounds by high performance reverse phase liquid chromatography. Water Research, 1988, 22, 873-881.	5.3	27
53	Photodegradation of Ormetoprim in Aquaculture and Stream-Derived Dissolved Organic Matter. Journal of Agricultural and Food Chemistry, 2012, 60, 9801-9806.	2.4	27
54	Prediction and Experimental Evaluation of Soil Sorption by Natural Hormones and Hormone Mimics. Journal of Agricultural and Food Chemistry, 2012, 60, 1480-1487.	2.4	26

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55	Photodegradation of UV filters oxybenzone and sulisobenzone in wastewater effluent and by dissolved organic matter. Applied Geochemistry, 2017, 83, 150-157.	1.4	26
56	Variations in the composition and adsorption behavior of dissolved organic matter at a small, forested watershed. Biogeochemistry, 2004, 67, 39-56.	1.7	25
57	Fast Photomineralization of Dissolved Organic Matter in Acid Mine Drainage Impacted Waters. Environmental Science & Technology, 2019, 53, 6273-6281.	4.6	25
58	Transformation of Natural and Synthetic Estrogens by Maize Seedlings. Environmental Science & Technology, 2013, 47, 5101-5108.	4.6	24
59	Determination of partition coefficients and aqueous solubilities by reverse phase chromatographyâ€"I. Water Research, 1986, 20, 1433-1442.	5.3	23
60	Evaluating the triplet state photoreactivity of dissolved organic matter isolated by chromatography and ultrafiltration using an alkylphenol probe molecule. Limnology and Oceanography: Methods, 2009, 7, 391-398.	1.0	22
61	Physical and chemical characteristics of poly(maleic acid), a synthetic organic colloid analog. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 107, 141-154.	2.3	20
62	Laboratory Assessment of BTEX Soil Flushing. Environmental Science & Technology, 1996, 30, 3223-3231.	4.6	19
63	Influence of Organic Ligands on the Redox Properties of Fe(II) as Determined by Mediated Electrochemical Oxidation. Environmental Science & Technology, 2022, 56, 9123-9132.	4.6	19
64	Sorption of radon-222 to natural sediments. Geochimica Et Cosmochimica Acta, 1992, 56, 3923-3932.	1.6	18
65	The sorption of polycyclic aromatic hydrocarbons by soils in low-methanol/water mixtures. Journal of Contaminant Hydrology, 1994, 17, 129-143.	1.6	17
66	Isoproturon Reappearance after Photosensitized Degradation in the Presence of Triplet Ketones or Fulvic Acids. Environmental Science & Technology, 2016, 50, 12250-12257.	4.6	17
67	Quantifying the electron donating capacities of sulfide and dissolved organic matter in sediment pore waters of wetlands. Environmental Sciences: Processes and Impacts, 2017, 19, 758-767.	1.7	16
68	Effect of Flue Gas Desulfurization (FGD) Byâ€Product on Water Quality at an Underground Coal Mine. Journal of Environmental Quality, 2001, 30, 1371-1381.	1.0	15
69	Abiotic Reduction of Pendimethalin and Trifluralin in Controlled and Natural Systems Containing Fe(II) and Dissolved Organic Matter. Journal of Agricultural and Food Chemistry, 2010, 58, 12840-12846.	2.4	14
70	Sorption, uptake, and biotransformation of 17Î²â€estradiol, 17Î±â€ethinylestradiol, zeranol, and trenbolone acetate by hybrid poplar. Environmental Toxicology and Chemistry, 2015, 34, 2906-2913.	2.2	14
71	Novel Insights into the Distribution of Reduced Sulfur Species in Prairie Pothole Wetland Pore Waters Provided by Bismuth Film Electrodes. Environmental Science and Technology Letters, 2016, 3, 104-109.	3.9	13
72	The sorption of 2-methylnaphthalene by Rossburg Soil in the absence and presence of a nonionic surfactant. Journal of Contaminant Hydrology, 1996, 22, 83-94.	1.6	12

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73	Deep echinoderm phylogeny preserved in organic molecules from Paleozoic fossils. Geology, 2016, 44, 379-382.	2.0	10
74	Photolysis- and Dissolved Organic Matter-Induced Toxicity of Triclocarban to Daphnia magna. Environmental Science and Technology Letters, 2017, 4, 457-462.	3.9	10
75	Activation of persulfate by humic substances: Stoichiometry and changes in the optical properties of the humic substances. Water Research, 2022, 212, 118107.	5.3	10
76	Contaminant-mediated photobleaching of wetland chromophoric dissolved organic matter. Environmental Sciences: Processes and Impacts, 2014, 16, 2098-2107.	1.7	9
77	The Sorption and Desorption Kinetics of Polycyclic Aromatic Hydrocarbons in Methanol/Water Mixtures. Hazardous Waste and Hazardous Materials, 1996, 13, 177-195.	0.4	7
78	Concentrations, gasâ€“particle distributions, and source indicator analysis of brominated flame retardants in air at Toolik Lake, Arctic Alaska. Environmental Sciences: Processes and Impacts, 2016, 18, 1274-1284.	1.7	7
79	Response to Comment on â€œSolubility Enhancement and Fluorescence Quenching of Pyrene by Humic Substance:Â The Effects of Dissolved Oxygen on Quenching Processesâ€• Environmental Science & Technology, 1996, 30, 1409-1410.	4.6	5
80	A Fluence-Based Method for the Direct Comparison of Photolysis Kinetics under Variable Light Regimes. Environmental Science and Technology Letters, 2015, 2, 183-187.	3.9	4
81	Ice Cover Influences Redox Dynamics in Prairie Pothole Wetland Sediments. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006318.	1.3	2
82	A Tribute to George R. Aiken. Environmental Science & Technology, 2018, 52, 4489-4489.	4.6	1
83	Carbonate Alkalinity Enhances Triclosan Photolysis. Aquatic Geochemistry, 2021, 27, 159-171.	1.5	1
84	Spatial Distribution and Biogeochemistry of Redox Active Species in Arctic Sedimentary Porewaters and Seeps. Environmental Sciences: Processes and Impacts, 2022, , .	1.7	1