

Edward P Kolodziej

List of Publications by Year in Descending Order

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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.

44
papers

1,736
citations

20
h-index

41
g-index

51
ext. papers

2,159
ext. citations

9.1
avg, IF

4.77
L-index

#	Paper	IF	Citations
44	A ubiquitous tire rubber-derived chemical induces acute mortality in coho salmon. <i>Science</i> , 2021 , 371, 185-189	33.3	140
43	Toxicity Testing of Effluent-Dominated Stream Using Predictive Molecular-Level Toxicity Signatures Based on High-Resolution Mass Spectrometry: A Case Study of the Lubbock Canyon Lake System. <i>Environmental Science & Technology</i> , 2021 , 55, 3070-3080	10.3	1
42	Treading Water: Tire Wear Particle Leachate Recreates an Urban Runoff Mortality Syndrome in Coho but Not Chum Salmon. <i>Environmental Science & Technology</i> , 2021 , 55, 11767-11774	10.3	11
41	Biotransformation of Current-Use Progestin Dienogest and Drospirenone in Laboratory-Scale Activated Sludge Systems Forms High-Yield Products with Altered Endocrine Activity. <i>Environmental Science & Technology</i> , 2021 , 55, 13869-13880	10.3	2
40	Suspect and Nontarget Screening for Contaminants of Emerging Concern in an Urban Estuary. <i>Environmental Science & Technology</i> , 2020 , 54, 889-901	10.3	65
39	Photolysis of Trenbolone Acetate Metabolites in the Presence of Nucleophiles: Evidence for Metastable Photoaddition Products and Reversible Associations with Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2020 , 54, 12181-12190	10.3	1
38	Developing Unique Nontarget High-Resolution Mass Spectrometry Signatures to Track Contaminant Sources in Urban Waters. <i>Environmental Science and Technology Letters</i> , 2020 , 7,	11	13
37	More Than a First Flush: Urban Creek Storm Hydrographs Demonstrate Broad Contaminant Pollutographs. <i>Environmental Science & Technology</i> , 2020 , 54, 6152-6165	10.3	32
36	Sorption and transport of trenbolone and altrenogest photoproducts in soil-water systems. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1650-1663	4.3	3
35	Intramolecular [2 + 2] Photocycloaddition of Altrenogest: Confirmation of Product Structure, Theoretical Mechanistic Insight, and Bioactivity Assessment. <i>Journal of Organic Chemistry</i> , 2019 , 84, 11366-11371	4.2	5
34	Detection and quantification of metastable photoproducts of trenbolone and altrenogest using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1603, 150-159	4.5	6
33	Induction of Microbial Oxidative Stress as a New Strategy to Enhance the Enzymatic Degradation of Organic Micropollutants in Synthetic Wastewater. <i>Environmental Science & Technology</i> , 2019 , 53, 9553-9563	10.3	8
32	Application of Nontarget High Resolution Mass Spectrometry Data to Quantitative Source Apportionment. <i>Environmental Science & Technology</i> , 2019 , 53, 12257-12268	10.3	13
31	Quantification of organic contaminants in urban stormwater by isotope dilution and liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7791-7806	4.4	19
30	Evaluating emerging organic contaminant removal in an engineered hyporheic zone using high resolution mass spectrometry. <i>Water Research</i> , 2019 , 150, 140-152	12.5	23
29	Evaluation of semi-volatile contaminant transport in a novel, gas-tight direct contact membrane distillation system. <i>Desalination</i> , 2018 , 427, 35-41	10.3	15
28	Using High-Resolution Mass Spectrometry to Identify Organic Contaminants Linked to Urban Stormwater Mortality Syndrome in Coho Salmon. <i>Environmental Science & Technology</i> , 2018 , 52, 10317-10327	10.3	75

27	Formation of bioactive transformation products during glucocorticoid chlorination. <i>Environmental Science: Water Research and Technology</i> , 2017 , 3, 450-461	4.2	9
26	Environmental photochemistry of dienogest: phototransformation to estrogenic products and increased environmental persistence via reversible photohydration. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 1414-1426	4.3	10
25	Development of suspect and non-target screening methods for detection of organic contaminants in highway runoff and fish tissue with high-resolution time-of-flight mass spectrometry. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 1185-1196	4.3	59
24	Reversible Photohydration of Trenbolone Acetate Metabolites: Mechanistic Understanding of Product-to-Parent Reversion through Complementary Experimental and Theoretical Approaches. <i>Environmental Science & Technology</i> , 2016 , 50, 6753-61	10.3	11
23	Environmental Photochemistry of Altrenogest: Photoisomerization to a Bioactive Product with Increased Environmental Persistence via Reversible Photohydration. <i>Environmental Science & Technology</i> , 2016 , 50, 7480-8	10.3	16
22	Coupled reversion and stream-hyporheic exchange processes increase environmental persistence of trenbolone metabolites. <i>Nature Communications</i> , 2015 , 6, 7067	17.4	11
21	Rates and product identification for trenbolone acetate metabolite biotransformation under aerobic conditions. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1472-84	3.8	10
20	Trenbolone acetate metabolite transport in rangelands and irrigated pasture: observations and conceptual approaches for agro-ecosystems. <i>Environmental Science & Technology</i> , 2014 , 48, 12569-76	10.3	14
19	Mass balance approaches to characterizing the leaching potential of trenbolone acetate metabolites in agro-ecosystems. <i>Environmental Science & Technology</i> , 2014 , 48, 3715-23	10.3	16
18	Environmental designer drugs: when transformation may not eliminate risk. <i>Environmental Science & Technology</i> , 2014 , 48, 11737-45	10.3	67
17	Integrated assessment of runoff from livestock farming operations: Analytical chemistry, in vitro bioassays, and in vivo fish exposures. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1849-57	3.8	34
16	Sorption and mineral-promoted transformation of synthetic hormone growth promoters in soil systems. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 12277-86	5.7	12
15	Surface and subsurface attenuation of trenbolone acetate metabolites and manure-derived constituents in irrigation runoff on agro-ecosystems. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2507-16	4.3	11
14	Identification and environmental implications of photo-transformation products of trenbolone acetate metabolites. <i>Environmental Science & Technology</i> , 2013 , 47, 5031-41	10.3	36
13	Product-to-parent reversion of trenbolone: unrecognized risks for endocrine disruption. <i>Science</i> , 2013 , 342, 347-51	33.3	62
12	Phototransformation rates and mechanisms for synthetic hormone growth promoters used in animal agriculture. <i>Environmental Science & Technology</i> , 2012 , 46, 13202-11	10.3	44
11	Occurrence of trenbolone acetate metabolites in simulated confined animal feeding operation (CAFO) runoff. <i>Environmental Science & Technology</i> , 2012 , 46, 3803-10	10.3	33
10	Analysis of trenbolone acetate metabolites and melengestrol in environmental matrices using gas chromatography-tandem mass spectrometry. <i>Talanta</i> , 2012 , 99, 238-46	6.2	26

9	Fate of endogenous steroid hormones in steer feedlots under simulated rainfall-induced runoff. <i>Environmental Science & Technology</i> , 2011 , 45, 8811-8	10.3	65
8	Site-specific profiles of estrogenic activity in agricultural areas of California's inland waters. <i>Environmental Science & Technology</i> , 2009 , 43, 9110-6	10.3	32
7	Rangeland grazing as a source of steroid hormones to surface waters. <i>Environmental Science & Technology</i> , 2007 , 41, 3514-20	10.3	84
6	Attenuation of wastewater-derived contaminants in an effluent-dominated river. <i>Environmental Science & Technology</i> , 2006 , 40, 7257-62	10.3	160
5	In vivo bioassay-guided fractionation of marine sediment extracts from the Southern California Bight, USA, for estrogenic activity. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2820-6	3.8	79
4	Dairy wastewater, aquaculture, and spawning fish as sources of steroid hormones in the aquatic environment. <i>Environmental Science & Technology</i> , 2004 , 38, 6377-84	10.3	233
3	Approaches for Quantifying the Attenuation of Wastewater-Derived Contaminants in the Aquatic Environment. <i>Chimia</i> , 2003 , 57, 567-569	1.3	9
2	Quantification of steroid hormones with pheromonal properties in municipal wastewater effluent. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2622-9	3.8	142
1	6PPD-Quinone: Revised Toxicity Assessment and Quantification with a Commercial Standard. <i>Environmental Science and Technology Letters</i> ,	11	13