Susan M Cormier

List of Publications by Year
in descending order

80 papers	2,138 citations	236612 25 h-index	243296 44 g-index
82 all docs	82 docs citations	82 times ranked	1633 citing authors

#	Article	IF	Citations
1	Weight-of-evidence evaluation in environmental assessment: Review of qualitative and quantitative approaches. Science of the Total Environment, 2009, 407, 5199-5205.	3.9	220
2	Fish Biliary Polycyclic Aromatic Hydrocarbon Metabolites Estimated by Fixed-Wavelength Fluorescence: Comparison with HPLC-Fluorescent Detection. Ecotoxicology and Environmental Safety, 1996, 35, 16-23.	2.9	133
3	Derivation of a benchmark for freshwater ionic strength. Environmental Toxicology and Chemistry, 2013, 32, 263-271.	2.2	113
4	A methodology for inferring the causes of observed impairments in aquatic ecosystems. Environmental Toxicology and Chemistry, 2002, 21, 1101-1111.	2.2	111
5	Development and evaluation of the Lake Macroinvertebrate Integrity Index (LMII) for New Jersey lakes and reservoirs. Environmental Monitoring and Assessment, 2002, 77, 311-333.	1.3	87
6	Assessing causation of the extirpation of stream macroinvertebrates by a mixture of ions. Environmental Toxicology and Chemistry, 2013, 32, 277-287.	2.2	87
7	Synchronous fluorometric measurement of metabolites of polycyclic aromatic hydrocarbons in the bile of brown bullhead. Environmental Toxicology and Chemistry, 1994, 13, 707-715.	2.2	83
8	Why and how to combine evidence in environmental assessments: Weighing evidence and building cases. Science of the Total Environment, 2011, 409, 1406-1417.	3.9	80
9	Methods development and use of macroinvertebrates as indicators of ecological conditions for streams in the Mid-Atlantic Highlands Region. Environmental Monitoring and Assessment, 2002, 78, 169-212.	1.3	63
10	Cnidocil apparatus: sensory receptor of Physalia nematocytes. Journal of Ultrastructure Research, 1980, 72, 13-19.	1.4	56
11	Can biological assessments discriminate among types of stress? A case study from the Eastern Corn Belt Plains ecoregion. Environmental Toxicology and Chemistry, 2000, 19, 1113-1119.	2.2	55
12	The Science and Philosophy of a Method for Assessing Environmental Causes. Human and Ecological Risk Assessment (HERA), 2010, 16, 19-34.	1.7	51
13	A method for deriving waterâ€quality benchmarks using field data. Environmental Toxicology and Chemistry, 2013, 32, 255-262.	2.2	50
14	Using field data and weight of evidence to develop water quality criteria. Integrated Environmental Assessment and Management, 2008, 4, 490-504.	1.6	48
15	A Framework for Fully Integrating Environmental Assessment. Environmental Management, 2008, 42, 543-56.	1.2	47
16	Relationship of land use and elevated ionic strength in Appalachian watersheds. Environmental Toxicology and Chemistry, 2013, 32, 296-303.	2.2	45
17	Assessing ecological risk in watersheds: A case study of problem formulation in the Big Darby Creek watershed, Ohio, USA. Environmental Toxicology and Chemistry, 2000, 19, 1082-1096.	2.2	44
18	Why care about aquatic insects: Uses, benefits, and services. Integrated Environmental Assessment and Management, 2015, 11, 188-194.	1.6	44

#	Article	IF	Citations
19	Causal Characteristics for Ecoepidemiology. Human and Ecological Risk Assessment (HERA), 2010, 16, 53-73.	1.7	41
20	Cellular basis for tentacle adherence in the Portuguese man-of-war (Physalia physalis). Tissue and Cell, 1980, 12, 713-721.	1.0	33
21	A weight of evidence framework for environmental assessments: Inferring qualities. Integrated Environmental Assessment and Management, 2017, 13, 1038-1044.	1.6	30
22	Determining probable causes of ecological impairment in the Little Scioto River, Ohio, USA: Part 1. Listing candidate causes and analyzing evidence. Environmental Toxicology and Chemistry, 2002, 21, 1112-1124.	2.2	29
23	Determining the causes of impairments in the Little Scioto River, Ohio, USA: Part 2. Characterization of causes. Environmental Toxicology and Chemistry, 2002, 21, 1125-1137.	2.2	26
24	Using Our Brains to Develop Better Policy. Risk Analysis, 2012, 32, 374-380.	1.5	26
25	A field-based model of the relationship between extirpation of salt-intolerant benthic invertebrates and background conductivity. Science of the Total Environment, 2018, 633, 1629-1636.	3.9	26
26	New nephron development in fish from polluted waters: a possible biomarker. Ecotoxicology, 1995, 4, 157-168.	1.1	25
27	Contaminant Exposure, Biochemical, and Histopathological Biomarkers in White Suckers from Contaminated and Reference Sites in the Sheboygan River, Wisconsin. Journal of Great Lakes Research, 1997, 23, 119-130.	0.8	22
28	A method for assessing the potential for confounding applied to ionic strength in central Appalachian streams. Environmental Toxicology and Chemistry, 2013, 32, 288-295.	2.2	22
29	A methodology for inferring the causes of observed impairments in aquatic ecosystems. Environmental Toxicology and Chemistry, 2002, 21, 1101-11.	2.2	22
30	Systematic Review and Weight of Evidence Are Integral to Ecological and Human Health Assessments: They Need an Integrated Framework. Integrated Environmental Assessment and Management, 2020, 16, 718-728.	1.6	20
31	The U.S. Environmental Protection Agency's Stressor Identification Guidance: A Process for Determining the Probable Causes of Biological Impairments. Human and Ecological Risk Assessment (HERA), 2003, 9, 1431-1443.	1.7	18
32	Estimation of exposure criteria values for biliary polycyclic aromatic hydrocarbon metabolite concentrations in white suckers (<i>Catostomus commersoni</i>). Environmental Toxicology and Chemistry, 2000, 19, 1120-1126.	2.2	17
33	What is meant by riskâ€based environmental quality criteria?. Integrated Environmental Assessment and Management, 2008, 4, 486-489.	1.6	16
34	A methodology for inferring the causes of observed impairments in aquatic ecosystems. , 2002, 21, 1101.		16
35	A weight of evidence framework for environmental assessments: Inferring quantities. Integrated Environmental Assessment and Management, 2017, 13, 1045-1051.	1.6	15
36	Field-based method for evaluating the annual maximum specific conductivity tolerated by freshwater invertebrates. Science of the Total Environment, 2018, 633, 1637-1646.	3.9	15

#	Article	IF	Citations
37	Fine structure of hepatocytes and hepatocellular carcinoma of the Atlantic tomcod, Microgadus tomcod (Walbaum). Journal of Fish Diseases, 1986, 9, 179-194.	0.9	14
38	Using regional exposure criteria and upstream reference data to characterize spatial and temporal exposures to chemical contaminants. Environmental Toxicology and Chemistry, 2000, 19, 1127-1135.	2.2	14
39	Minimizing Cognitive Errors in Site-Specific Causal Assessments. Human and Ecological Risk Assessment (HERA), 2003, 9, 213-229.	1.7	14
40	Modeling Spatial and Temporal Variation in Natural Background Specific Conductivity. Environmental Science & Technology, 2019, 53, 4316-4325.	4.6	14
41	Natural Occurrence of Triploidy in a Wild Brown Bullhead. Transactions of the American Fisheries Society, 1993, 122, 390-392.	0.6	13
42	Bias in the development of health and ecological assessments and potential solutions. Human and Ecological Risk Assessment (HERA), 2016, 22, 99-115.	1.7	13
43	A method for assessing causation of field exposureâ€"response relationships. Environmental Toxicology and Chemistry, 2013, 32, 272-276.	2.2	12
44	The Problem of Biased Data and Potential Solutions for Health and Environmental Assessments. Human and Ecological Risk Assessment (HERA), 2015, 21, 1736-1752.	1.7	12
45	Ecological Indicators in Risk Assessment: Workshop Summary. Human and Ecological Risk Assessment (HERA), 2000, 6, 671-677.	1.7	11
46	The influence of suburban land use on habitat and biotic integrity of coastal Rhode Island streams. Environmental Monitoring and Assessment, 2008, 139, 119-136.	1.3	11
47	Causal Assessment of Biological Impairment in the Little Floyd River, Iowa, USA. Human and Ecological Risk Assessment (HERA), 2010, 16, 116-148.	1.7	11
48	Using extirpation to evaluate ionic tolerance of freshwater fish. Environmental Toxicology and Chemistry, 2018, 37, 871-883.	2.2	11
49	Using Field-Based Species Sensitivity Distributions to Infer Multiple Causes. Human and Ecological Risk Assessment (HERA), 2014, 20, 402-432.	1.7	10
50	A flow-chart for developing water quality criteria from two field-based methods. Science of the Total Environment, 2018, 633, 1647-1656.	3.9	10
51	CADDIS: The Causal Analysis/Diagnosis Decision Information System. , 2009, , 1-24.		10
52	A Theory of Practice for Environmental Assessment. Integrated Environmental Assessment and Management, 2008, 4, 478.	1.6	9
53	Temporal trends in ethoxyresorufinâ€oâ€deethylase activity of brook trout (<i>Salvelinus fontinalis</i>) fed 2,3,7,8â€tetrachlorodibenzoâ€<i>p</i>â€dioxin. Environmental Toxicology and Chemistry, 2000, 19, 462-471.	2.2	8
54	Using historical biological data to evaluate status and trends in the Big Darby Creek watershed (Ohio,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	8

#	Article	IF	Citations
55	Historical Monitoring of Biomarkers of PAH Exposure of Brown Bullhead in the Remediated Black River and the Cuyahoga River, Ohio. Journal of Great Lakes Research, 2001, 27, 191-198.	0.8	8
56	Assessing ecological risk in watersheds: A case study of problem formulation in the Big Darby Creek watershed, Ohio, USA. , 2000, 19, 1082.		7
57	When is a Formal Assessment Process Worthwhile?. Human and Ecological Risk Assessment (HERA), 2010, 16, 1-3.	1.7	6
58	Assessing background levels of specific conductivity using weight of evidence. Science of the Total Environment, 2018, 628-629, 1637-1649.	3.9	6
59	Determining probable causes of ecological impairment in the Little Scioto River, Ohio, USA: Part 1. Listing candidate causes and analyzing evidence. , 2002, 21, 1112.		6
60	Determining the causes of impairments in the Little Scioto River, Ohio, USA: Part 2. Characterization of causes. , 2002, 21, 1125.		6
61	TEMPORAL TRENDS IN ETHOXYRESORUFIN-O-DEETHYLASE ACTIVITY OF BROOK TROUT (SALVELINUS) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 … 19, 462.	2.2	6
62	Determining probable causes of ecological impairment in the Little Scioto River, Ohio, USA: part 1. Listing candidate causes and analyzing evidence. Environmental Toxicology and Chemistry, 2002, 21, 1112-24.	2.2	6
63	Pragmatism: A practical philosophy for environmental scientists. Integrated Environmental Assessment and Management, 2013, 9, 181-184.	1.6	5
64	Sources of data for water quality criteria. Environmental Toxicology and Chemistry, 2013, 32, 254-254.	2.2	5
65	ESTIMATION OF EXPOSURE CRITERIA VALUES FOR BILIARY POLYCYCLIC AROMATIC HYDROCARBON METABOLITE CONCENTRATIONS IN WHITE SUCKERS (CATOSTOMUS COMMERSONI). Environmental Toxicology and Chemistry, 2000, 19, 1120.	2.2	5
66	Determining the causes of impairments in the Little Scioto River, Ohio, USA: part 2. Characterization of causes. Environmental Toxicology and Chemistry, 2002, 21, 1125-37.	2.2	5
67	Two Roles for Environmental Assessors: Technical Consultant and Advisor. Human and Ecological Risk Assessment (HERA), 2012, 18, 1153-1155.	1.7	4
68	Stepâ€byâ€step calculation and spreadsheet tools for predicting stressor levels that extirpate genera and species. Integrated Environmental Assessment and Management, 2018, 14, 174-180.	1.6	4
69	Response to Roark et al. (2013) â€œInfluence of subsampling and modeling assumptions on the USEPA field-based benchmark for conductivityâ€. Integrated Environmental Assessment and Management, 2013, 9, 677-678.	1.6	3
70	A field-based characterization of conductivity in areas of minimal alteration: A case example in the Cascades of northwestern United States. Science of the Total Environment, 2018, 633, 1657-1666.	3.9	3
71	Adequacy of sample size for estimating a value from field observational data. Ecotoxicology and Environmental Safety, 2020, 203, 110992.	2.9	3
72	Reference Values for Exposure to PAH Contaminants: Comparison of Fish from Ohio and Mid-Atlantic Streams. Ecotoxicology, 2006, 15, 111-120.	1.1	2

#	Article	IF	Citations
73	Letter to the Editor in Chief Concerning the Article "Status of Fish and Macroinvertebrate Communities in a Watershed Experiencing High Rates of Fossil Fuel Extraction: Tenmile Creek, a Major Monongahela River Tributary" by Kimmel and Argent, 2012. Water, Air, and Soil Pollution, 2012, 223, 4659-4662.	1.1	2
74	Revitalizing environmental assessment. Integrated Environmental Assessment and Management, 2008, 4, 385-385.	1.6	1
75	In Response : Bias in the science that supports environmental assessmentsâ€"A perspective from regulatory assessment. Environmental Toxicology and Chemistry, 2016, 35, 1069-1070.	2.2	1
76	ECOEPIDEMIOLOGY: A MEANS TO SAFEGUARD ECOSYSTEM SERVICES THAT SUSTAIN HUMAN WELFARE. , 2006, , 57-72.		1
77	The easiest person to fool. Environmental Toxicology and Chemistry, 2002, 21, 1099-100.	2.2	1
78	Predicting levels of stress from biological assessment data: empirical models from the Eastern Corn Belt Plains, Ohio, USA. Environmental Toxicology and Chemistry, 2002, 21, 1168-75.	2.2	1
79	CADDIS: A System to Help Investigators Determine the Causes of Biological Impairments in Aquatic Systems. Proceedings of the Water Environment Federation, 2005, 2005, 671-685.	0.0	0
80	Revitalizing environmental assessment. Integrated Environmental Assessment and Management, 2008, 4, 385.	1.6	0