

Eric D Stein

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,864
citations

136885

32
h-index

189801

50
g-index

104
all docs

104
docs citations

104
times ranked

3487
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Suitability of the Los Angeles River for Cold Water Resident and Migrating Fish Under Physical Restoration Alternatives. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	2
2	Identifying Functional Flow Linkages Between Stream Alteration and Biological Stream Condition Indices Across California. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	6
3	Application of Flow-Ecology Analysis to Inform Prioritization for Stream Restoration and Management Actions. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	2
4	Developing Ecological Flow Needs in a Highly Altered Region: Application of California Environmental Flows Framework in Southern California, USA. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	4
5	Prioritizing Stream Protection, Restoration and Management Actions Using Landscape Modeling and Spatial Analysis. <i>Water (Switzerland)</i> , 2022, 14, 1375.	1.2	2
6	Dilution and Pollution: Assessing the Impacts of Water Reuse and Flow Reduction on Water Quality in the Los Angeles River Basin. <i>ACS ES&T Water</i> , 2022, 2, 1309-1319.	2.3	3
7	Advancing the Science of Environmental Flow Management for Protection of Temporarily Closed Estuaries and Coastal Lagoons. <i>Water (Switzerland)</i> , 2021, 13, 595.	1.2	23
8	Multi-decadal simulation of estuarine sedimentation under sea level rise with a response-surface surrogate model. <i>Advances in Water Resources</i> , 2021, 150, 103876.	1.7	5
9	Modelling future changes to the hydrological and thermal regime of unaltered streams using projected changes in climate to support planning for sensitive species management. <i>Ecohydrology</i> , 2021, 14, e2299.	1.1	3
10	Simulating the thermal impact of substrate temperature on ecological restoration in shallow urban rivers. <i>Journal of Environmental Management</i> , 2021, 289, 112560.	3.8	5
11	The California Environmental Flows Framework: Meeting the Challenges of Developing a Large-Scale Environmental Flows Program. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	22
12	A functional flows approach to selecting ecologically relevant flow metrics for environmental flow applications. <i>River Research and Applications</i> , 2020, 36, 318-324.	0.7	89
13	Predictive biological indices for algae populations in diverse stream environments. <i>Ecological Indicators</i> , 2020, 119, 106421.	2.6	15
14	Barriers and opportunities for beneficial reuse of sediment to support coastal resilience. <i>Ocean and Coastal Management</i> , 2020, 195, 105287.	2.0	20
15	Translational Molecular Ecology in practice: Linking DNA-based methods to actionable marine environmental management. <i>Science of the Total Environment</i> , 2020, 744, 140780.	3.9	24
16	Improving Effective Impervious Estimates to Inform Stormwater Management. <i>Water Resources Management</i> , 2020, 34, 747-762.	1.9	2
17	Establishing Targets for Regional Coastal Wetland Restoration Planning Using Historical Ecology and Future Scenario Analysis: The Past, Present, Future Approach. <i>Estuaries and Coasts</i> , 2020, 43, 207-222.	1.0	12
18	Effects of Elevated Sea Levels and Waves on Southern California Estuaries During the 2015–2016 El Niño. <i>Estuaries and Coasts</i> , 2020, 43, 256-271.	1.0	12

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19	The impact of climate change induced alterations of streamflow and stream temperature on the distribution of riparian species. PLoS ONE, 2020, 15, e0242682.	1.1	8
20	Assessing Biological Impacts from Storm Flow Diversions: A Case Study. , 2020, , .		0
21	Title is missing!. , 2020, 15, e0242682.		0
22	Title is missing!. , 2020, 15, e0242682.		0
23	Title is missing!. , 2020, 15, e0242682.		0
24	Title is missing!. , 2020, 15, e0242682.		0
25	Environmental predictors of stream flow in semi-arid watersheds for biological assessments. Ecological Indicators, 2019, 104, 429-438.	2.6	4
26	Using alpha, beta, and zeta diversity in describing the health of streamâ€based benthic macroinvertebrate communities. Ecological Applications, 2019, 29, e01896.	1.8	23
27	Targeted hydrologic model calibration to improve prediction of ecologically-relevant flow metrics. Journal of Hydrology, 2019, 573, 546-556.	2.3	12
28	Prioritizing management goals for stream biological integrity within the developed landscape context. Freshwater Science, 2019, 38, 883-898.	0.9	8
29	Evaluating regional resiliency of coastal wetlands to sea level rise through hypsometryâ€based modeling. Global Change Biology, 2019, 25, 78-92.	4.2	21
30	CO-DEVELOPMENT OF COASTAL SEDIMENT MANAGEMENT APPROACHES IN SOCIAL ECOLOGICAL SYSTEMS IN SOUTHERN CALIFORNIA. , 2019, , .		1
31	Recent advances in environmental flows science and water managementâ€Innovation in the Anthropocene. Freshwater Biology, 2018, 63, 1022-1034.	1.2	134
32	Tools for managing hydrologic alteration on a regional scale: Estimating changes in flow characteristics at ungauged sites. Freshwater Biology, 2018, 63, 769-785.	1.2	21
33	Tools for managing hydrologic alteration on a regional scale: Setting targets to protect stream health. Freshwater Biology, 2018, 63, 786-803.	1.2	24
34	Evaluating and managing environmental water regimes in a waterâ€scarce and uncertain future. Freshwater Biology, 2018, 63, 733-737.	1.2	24
35	Predicting Hydromodification in Streams Using Nonlinear Memory-Based Algorithms in Southern California Streams. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04017079.	1.3	3
36	Testing the Accuracy of Three Empirical Equations for Determining the Effective Impervious Area in Southern California. , 2018, , .		0

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37	California Rapid Assessment Method for Wetlands and Riparian Areas (CRAM). , 2018, , 353-361.		0
38	Beyond Metrics? The Role of Hydrologic Baseline Archetypes in Environmental Water Management. Environmental Management, 2018, 62, 678-693.	1.2	16
39	Tidal asymmetry and residual sediment transport in a short tidal basin under sea level rise. Advances in Water Resources, 2018, 121, 1-8.	1.7	33
40	Application of regional flow-ecology relationships to inform watershed management decisions: Application of the ELOHA framework in the San Diego River watershed, California, USA. Ecohydrology, 2017, 10, e1869.	1.1	24
41	Transferability of bioassessment indices among water body types and ecoregions: A California experiment in wetland assessment. Ecological Indicators, 2017, 81, 65-73.	2.6	4
42	Classification of California streams using combined deductive and inductive approaches: Setting the foundation for analysis of hydrologic alteration. Ecohydrology, 2017, 10, e1802.	1.1	9
43	Development of Restoration Performance Curves for Streams in Southern California Using an Integrative Condition Index. Wetlands, 2017, 37, 289-299.	0.7	2
44	Microcystin Prevalence throughout Lentic Waterbodies in Coastal Southern California. Toxins, 2017, 9, 231.	1.5	36
45	Intermittent Estuaries: Linking Hydro-geomorphic Context to Climate Change Resilience. Journal of Coastal Research, 2016, 75, 133-137.	0.1	10
46	How accurate are probability-based estimates of wetland extent? Results of a California validation study. Wetlands Ecology and Management, 2016, 24, 347-356.	0.7	2
47	Bioassessment in complex environments: designing an index for consistent meaning in different settings. Freshwater Science, 2016, 35, 249-271.	0.9	55
48	Evaluating the adequacy of a reference-site pool for ecological assessments in environmentally complex regions. Freshwater Science, 2016, 35, 237-248.	0.9	41
49	Governance issues in developing and implementing offsets for water management benefits: Can preliminary evaluation guide implementation effectiveness?. Wiley Interdisciplinary Reviews: Water, 2015, 2, 121-130.	2.8	4
50	Evaluating Alternative Temporal Survey Designs for Monitoring Wetland Area and Detecting Changes Over Time in California. Journal of the American Water Resources Association, 2015, 51, 388-399.	1.0	1
51	Wadeable streams as widespread sources of benthic cyanotoxins in California, USA. Harmful Algae, 2015, 49, 105-116.	2.2	76
52	Does DNA barcoding improve performance of traditional stream bioassessment metrics?. Freshwater Science, 2014, 33, 302-311.	0.9	56
53	Selecting the optimum plot size for a California design-based stream and wetland mapping program. Environmental Monitoring and Assessment, 2014, 186, 2599-2608.	1.3	5
54	Development and comparison of stream indices of biotic integrity using diatoms vs. non-diatom algae vs. a combination. Journal of Applied Phycology, 2014, 26, 433-450.	1.5	41

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55	Cryptic biodiversity in streams: a comparison of macroinvertebrate communities based on morphological and DNA barcode identifications. <i>Freshwater Science</i> , 2014, 33, 312-324.	0.9	65
56	Comparison of four species-delimitation methods applied to a DNA barcode data set of insect larvae for use in routine bioassessment. <i>Freshwater Science</i> , 2014, 33, 338-348.	0.9	31
57	Integrating intermittent streams into watershed assessments: applicability of an index of biotic integrity. <i>Freshwater Science</i> , 2014, 33, 459-474.	0.9	46
58	Is DNA Barcoding Actually Cheaper and Faster than Traditional Morphological Methods: Results from a Survey of Freshwater Bioassessment Efforts in the United States?. <i>PLoS ONE</i> , 2014, 9, e95525.	1.1	116
59	Evaluation of Design-Based Sampling Options for Monitoring Stream and Wetland Extent and Distribution in California. <i>Wetlands</i> , 2013, 33, 717-725.	0.7	4
60	Pre- and post-fire pollutant loads in an urban fringe watershed in Southern California. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 10131-10145.	1.3	67
61	Metals and bacteria partitioning to various size particles in Ballona creek storm water runoff. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 320-328.	2.2	25
62	Reachâ€Scale Geomorphic and Biological Effects of Localized Streambank Armoring. <i>Journal of the American Water Resources Association</i> , 2013, 49, 780-792.	1.0	11
63	A framework for evaluating regional hydrologic sensitivity to climate change using archetypal watershed modeling. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3077-3094.	1.9	7
64	Evaluating Ethanol-based Sample Preservation to Facilitate Use of DNA Barcoding in Routine Freshwater Biomonitoring Programs Using Benthic Macroinvertebrates. <i>PLoS ONE</i> , 2013, 8, e51273.	1.1	56
65	Continuous In Situ Characterization of Particulate Sizes in Urban Stormwater: Method Testing and Refinement. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 673-679.	0.7	4
66	Stormwater contaminant loading following southern California wildfires. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2625-2638.	2.2	62
67	Performance of Two Southern California Benthic Community Condition Indices Using Species Abundance and Presence-Only Data: Relevance to DNA Barcoding. <i>PLoS ONE</i> , 2012, 7, e40875.	1.1	23
68	Channel Evolution Model of Semiarid Stream Response to Urbanâ€Induced Hydromodification¹. <i>Journal of the American Water Resources Association</i> , 2012, 48, 722-744.	1.0	90
69	Framework and Tool for Rapid Assessment of Stream Susceptibility to Hydromodification¹. <i>Journal of the American Water Resources Association</i> , 2012, 48, 788-808.	1.0	37
70	Evaluating performance of stormwater sampling approaches using a dynamic watershed model. <i>Environmental Monitoring and Assessment</i> , 2011, 180, 283-302.	1.3	7
71	Demonstration of an integrated watershed assessment using a three-tiered assessment framework. <i>Wetlands Ecology and Management</i> , 2011, 19, 459-474.	0.7	6
72	Levels and patterns of fecal indicator bacteria in stormwater runoff from homogenous land use sites and urban watersheds. <i>Journal of Water and Health</i> , 2011, 9, 279-290.	1.1	38

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73	Historical Ecology as a Tool for Assessing Landscape Change and Informing Wetland Restoration Priorities. <i>Wetlands</i> , 2010, 30, 589-601.	0.7	41
74	Ecosystem response to regulatory and management actions: The southern California experience in long-term monitoring. <i>Marine Pollution Bulletin</i> , 2009, 59, 91-100.	2.3	41
75	Dissolved oxygen dynamics in a eutrophic estuary, Upper Newport Bay, California. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 139-151.	0.9	57
76	How effective has the Clean Water Act been at reducing pollutant mass emissions to the Southern California Bight over the past 35 years?. <i>Environmental Monitoring and Assessment</i> , 2009, 154, 413-426.	1.3	44
77	Fecal indicator bacteria (FIB) levels during dry weather from Southern California reference streams. <i>Environmental Monitoring and Assessment</i> , 2009, 155, 477-492.	1.3	45
78	Validation of a wetland Rapid Assessment Method: Use of EPA's level 1-2-3 framework for method testing and refinement. <i>Wetlands</i> , 2009, 29, 648-665.	0.7	50
79	Dry Weather Flow Contribution of Metals, Nutrients, and Solids from Natural Catchments. <i>Water, Air, and Soil Pollution</i> , 2008, 190, 183-195.	1.1	9
80	Integrating probabilistic and targeted compliance monitoring for comprehensive watershed assessment. <i>Environmental Monitoring and Assessment</i> , 2008, 144, 117-129.	1.3	6
81	Watershed and land use-based sources of trace metals in urban storm water. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 277-287.	2.2	75
82	Estimating the Variability and Confidence of Land Use and Imperviousness Relationships at a Regional Scale. <i>Journal of the American Water Resources Association</i> , 2008, 44, 996-1008.	1.0	21
83	Evaluating the Effectiveness of Best Management Practices Using Dynamic Modeling. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 628-639.	0.7	59
84	Natural Catchments as Sources of Background Levels of Storm-Water Metals, Nutrients, and Solids. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 961-973.	0.7	30
85	Land-Use-Based Sources of Pollutants in Urban Storm Water. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 700-722.	0.0	9
86	A Study of the Compatibility of Habitat and Water Quality Enhancement Objectives in Urban Wetlands of Southern California, USA. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 7169-7200.	0.0	0
87	Dry Weather Water Quality Loadings in Arid, Urban Watersheds of the Los Angeles Basin, California, USA. <i>Journal of the American Water Resources Association</i> , 2007, 43, 398-413.	1.0	32
88	Application of color infrared aerial photography to assess macroalgal distribution in an eutrophic estuary, Upper Newport Bay, California. <i>Estuaries and Coasts</i> , 2007, 30, 855-868.	1.0	17
89	Watershed and Land Use-Based Sources of Trace Metals in Urban Storm Water. <i>Environmental Toxicology and Chemistry</i> , 2007, preprint, 1.	2.2	0
90	A PRACTICAL GUIDE FOR THE DEVELOPMENT OF A WETLAND ASSESSMENT METHOD: THE CALIFORNIA EXPERIENCE. <i>Journal of the American Water Resources Association</i> , 2006, 42, 157-175.	1.0	53

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91	WATERSHED-BASED SOURCES OF POLYCYCLIC AROMATIC HYDROCARBONS IN URBAN STORM WATER. Environmental Toxicology and Chemistry, 2006, 25, 373.	2.2	74
92	Spatial and temporal patterns of remotely-sensed and field-measured rainfall in southern California. Remote Sensing of Environment, 2005, 96, 228-245.	4.6	33
93	Stormwater runoff plumes observed by SeaWiFS radiometer in the Southern California Bight. Remote Sensing of Environment, 2005, 98, 494-510.	4.6	75
94	Dry-Weather Metals and Bacteria Loading in an Arid, Urban Watershed: Ballona Creek, California. Water, Air, and Soil Pollution, 2005, 164, 367-382.	1.1	26
95	Influence of geologic setting on slope wetland hydrodynamics. Wetlands, 2004, 24, 244-260.	0.7	36
96	LANDSCAPE-SCALE ANALYSIS AND MANAGEMENT OF CUMULATIVE IMPACTS TO RIPARIAN ECOSYSTEMS: PAST, PRESENT, AND FUTURE. Journal of the American Water Resources Association, 2001, 37, 1597-1614.	1.0	11
97	PROFILE: Wetland Mitigation Banking: A Framework for Crediting and Debiting. Environmental Management, 2000, 26, 233-250.	1.2	28
98	A rapid impact assessment method for use in a regulatory context. Wetlands, 1998, 18, 379-392.	0.7	16
99	Cumulative impacts of Section 404 Clean Water Act permitting on the riparian habitat of the Santa Margarita, California Watershed. Wetlands, 1998, 18, 393-408.	0.7	34
100	Environmental distribution and transformation of mercury compounds. Critical Reviews in Environmental Science and Technology, 1996, 26, 1-43.	6.6	296