

# James Karr

## List of Publications by Year in descending order

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76  
papers

18,765  
citations

46918

47  
h-index

88477

70  
g-index

79  
all docs

79  
docs citations

79  
times ranked

10810  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Natural Flow Regime. <i>BioScience</i> , 1997, 47, 769-784.	2.2	5,166
2	Assessment of Biotic Integrity Using Fish Communities. <i>Fisheries</i> , 1981, 6, 21-27.	0.6	1,987
3	Biological Integrity: A Long-Neglected Aspect of Water Resource Management. , 1991, 1, 66-84.		1,133
4	Habitat Structure and Stream Fish Communities. <i>Ecology</i> , 1978, 59, 507-515.	1.5	826
5	Ecological perspective on water quality goals. <i>Environmental Management</i> , 1981, 5, 55-68.	1.2	713
6	Patch Dynamics in Lotic Systems: The Stream as a Mosaic. <i>Journal of the North American Benthological Society</i> , 1988, 7, 503-524.	3.0	522
7	Density Compensation in Island Faunas. <i>Ecology</i> , 1972, 53, 330-342.	1.5	480
8	Defining and measuring river health. <i>Freshwater Biology</i> , 1999, 41, 221-234.	1.2	475
9	A Benthic Index of Biotic Integrity (B-IBI) for Rivers of the Tennessee Valley. , 1994, 4, 768-785.		408
10	Biological Integrity versus Biological Diversity as Policy Directives. <i>BioScience</i> , 1994, 44, 690-697.	2.2	395
11	Relationships between Woody Debris and Fish Habitat in a Small Warmwater Stream. <i>Transactions of the American Fisheries Society</i> , 1984, 113, 716-726.	0.6	332
12	Structure of Avian Communities in Selected Panama and Illinois Habitats. <i>Ecological Monographs</i> , 1971, 41, 207-233.	2.4	326
13	Assessing Invertebrate Responses to Human Activities: Evaluating Alternative Approaches. <i>Journal of the North American Benthological Society</i> , 1996, 15, 212-231.	3.0	317
14	Regional Application of an Index of Biotic Integrity Based on Stream Fish Communities. <i>Transactions of the American Fisheries Society</i> , 1984, 113, 39-55.	0.6	302
15	Vegetation Structure and Avian Diversity in Several New World Areas. <i>American Naturalist</i> , 1971, 105, 423-435.	1.0	299
16	Breeding Birds of Isolated Woodlots: Area and Habitat Relationships. <i>Ecology</i> , 1987, 68, 1724-1734.	1.5	261
17	Fish communities along environmental gradients in a system of tropical streams. <i>Environmental Biology of Fishes</i> , 1983, 9, 117-135.	0.4	252
18	Sustaining living rivers. <i>Hydrobiologia</i> , 2000, 422/423, 1-14.	1.0	217

#	ARTICLE	IF	CITATIONS
19	Assessing and Restoring the Health of Urban Streams in the Puget Sound Basin. <i>Conservation Biology</i> , 2002, 16, 1498-1509.	2.4	209
20	REVIVING URBAN STREAMS: LAND USE, HYDROLOGY, BIOLOGY, AND HUMAN BEHAVIOR. <i>Journal of the American Water Resources Association</i> , 2004, 40, 1351-1364.	1.0	206
21	Regional Applications of an Index of Biotic Integrity for Use in Water Resource Management. <i>Fisheries</i> , 1988, 13, 12-20.	0.6	204
22	Survival Rates of Birds of Tropical and Temperate Forests: Will the Dogma Survive?. <i>American Naturalist</i> , 1990, 136, 277-291.	1.0	199
23	Postfire Management on Forested Public Lands of the Western United States. <i>Conservation Biology</i> , 2004, 18, 957-967.	2.4	197
24	Seasonality, Resource Availability, and Community Diversity in Tropical Bird Communities. <i>American Naturalist</i> , 1976, 110, 973-994.	1.0	190
25	Habitat Selection and Environmental Gradients: Dynamics in the "Stable" Tropics. <i>Ecology</i> , 1983, 64, 1481-1494.	1.5	187
26	Avian Extinction on Barro Colorado Island, Panama: A Reassessment. <i>American Naturalist</i> , 1982, 119, 220-239.	1.0	183
27	On the Calculation of Information-theoretical Measures of Diversity. <i>American Midland Naturalist</i> , 1968, 79, 257.	0.2	177
28	Fish Communities of Midwestern Rivers: A History of Degradation. <i>BioScience</i> , 1985, 35, 90-95.	2.2	176
29	Defining and assessing ecological integrity: Beyond water quality. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 1521-1531.	2.2	161
30	Biological monitoring and environmental assessment: a conceptual framework. <i>Environmental Management</i> , 1987, 11, 249-256.	1.2	156
31	Applying an Index of Biotic Integrity Based on Stream-Fish Communities: Considerations in Sampling and Interpretation. <i>North American Journal of Fisheries Management</i> , 1986, 6, 418-429.	0.5	151
32	Population Variability and Extinction in the Avifauna of a Tropical Land Bridge Island. <i>Ecology</i> , 1982, 63, 1975.	1.5	147
33	Species composition of bird communities and the conservation benefit of large versus small forests. <i>Biological Conservation</i> , 1984, 30, 173-187.	1.9	136
34	Habitat and Avian Diversity on Strip-Mined Land in East-Central Illinois. <i>Condor</i> , 1968, 70, 348-357.	0.7	132
35	Adapting to Climate Change on Western Public Lands: Addressing the Ecological Effects of Domestic, Wild, and Feral Ungulates. <i>Environmental Management</i> , 2013, 51, 474-491.	1.2	131
36	Patch Utilization by Migrating Birds: Resource Oriented?. <i>Ornis Scandinavica</i> , 1986, 17, 165.	1.0	113

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37	Aquatic Invertebrate Assemblages: Spatial and Temporal Differences among Sampling Protocols. <i>Journal of the North American Benthological Society</i> , 1992, 11, 377-390.	3.0	85
38	Stochasticity in Stream Fish Communities: An Alternative Interpretation. <i>American Naturalist</i> , 1984, 124, 573-582.	1.0	84
39	Spatial and Temporal Variability of the Index of Biotic Integrity in Three Midwestern Streams. <i>Transactions of the American Fisheries Society</i> , 1987, 116, 1-11.	0.6	82
40	Riparian vegetation and channel morphology impact on spatial patterns of water quality in agricultural watersheds. <i>Environmental Management</i> , 1981, 5, 233-243.	1.2	81
41	Within- and Between- Habitat Avian Diversity in African and Neotropical Lowland Habitats. <i>Ecological Monographs</i> , 1976, 46, 457-481.	2.4	76
42	Demography of Birds in a Neotropical Forest: Effects of Allometry, Taxonomy, and Ecology. <i>Ecology</i> , 1995, 76, 41-51.	1.5	72
43	The Effects of Postfire Salvage Logging on Aquatic Ecosystems in the American West. <i>BioScience</i> , 2004, 54, 1029.	2.2	67
44	The effect of fixed-count subsampling on macroinvertebrate biomonitoring in small streams. <i>Freshwater Biology</i> , 2000, 44, 355-371.	1.2	65
45	Biological Assessment and Criteria Improve Total Maximum Daily Load Decision Making. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 594-604.	0.7	64
46	Biological monitoring: Essential foundation for ecological risk assessment. <i>Human and Ecological Risk Assessment (HERA)</i> , 1997, 3, 993-1004.	1.7	61
47	Post-Fire Logging Debate Ignores Many Issues. <i>Science</i> , 2006, 314, 51b-52b.	6.0	61
48	Biological Integrity and the Goal of Environmental Legislation: Lessons for Conservation Biology. <i>Conservation Biology</i> , 1990, 4, 244-250.	2.4	59
49	Avian Survival Rates and the Extinction Process on Barro Colorado Island, Panama. <i>Conservation Biology</i> , 1990, 4, 391-397.	2.4	52
50	Shifting Priorities at the Department of Energy's Bomb Factories: Protecting Human and Ecological Health. <i>Environmental Management</i> , 2003, 31, 157-167.	1.2	39
51	Biological monitoring of fish assemblages in Tennessee Valley reservoirs. <i>River Research and Applications</i> , 1995, 11, 263-274.	1.2	32
52	What is river health? Applying public health lessons to protect river health.. <i>Ecology and Civil Engineering</i> , 2001, 4, 3-18.	0.1	32
53	Production, Energy Pathways, and Community Diversity in Forest Birds. <i>Ecological Studies</i> , 1975, , 161-176.	0.4	32
54	New Directions in Conservation for the National Wildlife Refuge System. <i>BioScience</i> , 2006, 56, 135.	2.2	29

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55	Ecological integrity is both real and valuable. <i>Conservation Science and Practice</i> , 2022, 4, e583.	0.9	27
56	Multiscale agent-based consumer market modeling. <i>Complexity</i> , 2010, 15, 37-47.	0.9	23
57	Geographic Patterns of Fishes and Jellyfish in Puget Sound Surface Waters. <i>Marine and Coastal Fisheries</i> , 2012, 4, 117-128.	0.6	20
58	Long-term monitoring reveals widespread and severe declines of understory birds in a protected Neotropical forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2108731119.	3.3	20
59	Bird based Index of Biotic Integrity: Assessing the ecological condition of Atlantic Forest patches in human-modified landscape. <i>Ecological Indicators</i> , 2017, 73, 662-675.	2.6	18
60	Natural and Man-induced Variability in a Silverjaw Minnow ( <i>Ericymba buccata</i> ) Population. <i>American Midland Naturalist</i> , 1982, 107, 284.	0.2	17
61	Ecological, Behavioral, and Distributional Notes on Some Central Panam� Birds. <i>Condor</i> , 1971, 73, 107-111.	0.7	12
62	CONCENTRATION AND SOURCES OF FECAL AND ORGANIC POLLUTION IN AN AGRICULTURAL WATERSHED. <i>Journal of the American Water Resources Association</i> , 1979, 15, 911-923.	1.0	11
63	Building on Two Decades of Ecosystem Management and Biodiversity Conservation under the Northwest Forest Plan, USA. <i>Forests</i> , 2015, 6, 3326-3352.	0.9	11
64	When Government Ignores Science, Scientists Should Speak Up. <i>BioScience</i> , 2006, 56, 287.	2.2	10
65	Economics, Ecology, and Environmental Quality. , 1996, 6, 31-32.		9
66	Making Waves with the Clean Water Act. <i>Science</i> , 2008, 322, 1788-1788.	6.0	9
67	Heeding a call to action for US coral reefs: The untapped potential of the Clean Water Act. <i>Marine Pollution Bulletin</i> , 2009, 58, 1421-1423.	2.3	9
68	Defining and assessing ecological integrity: Beyond water quality. , 1993, 12, 1521.		9
69	An Association between a Grass ( <i>Paspalum virgatum</i> ) and Moths. <i>Biotropica</i> , 1976, 8, 284.	0.8	4
70	Advocacy and Responsibility. <i>Conservation Biology</i> , 1993, 7, 8-8.	2.4	4
71	Wintering Kentucky Warblers ( <i>Oporornis formosus</i> ) and a Warning to Banders. <i>Bird-Banding</i> , 1971, 42, 299.	0.1	3
72	Natural: A Benchmark, Not a Bias. <i>Northwest Science</i> , 2009, 83, 294-297.	0.1	3

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73	Reducing Livestock Effects on Public Lands in the Western United States as the Climate Changes: A Reply to Svejcar et al. Environmental Management, 2014, 53, 1039-1042.	1.2	3
74	Challenges in Defining Background Levels for Human and Ecological Risk Assessments. Human and Ecological Risk Assessment (HERA), 2003, 9, 1623-1632.	1.7	2
75	Applying an Index of Biotic Integrity Based on Stream-Fish Communities: Considerations in Sampling and Interpretation. , 1986, 6, 418.		2
76	Beyond Toxicology. BioScience, 1990, 40, 420-420.	2.2	0