

Stephen Carpenter

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.

275 papers	69,779 citations	93 h-index	264 g-index
284 ext. papers	79,671 ext. citations	7.9 avg, IF	7.75 L-index

#	Paper	IF	Citations
275	Estimating pelagic primary production in lakes: Comparison of 14 C incubation and free-water O ₂ approaches. <i>Limnology and Oceanography: Methods</i> , 2022 , 20, 34-45	2.6	2
274	Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts.. <i>Ambio</i> , 2022 , 1	6.5	2
273	Evaluating the performance of temporal and spatial early warning statistics of algal blooms.. <i>Ecological Applications</i> , 2022 , e2616	4.9	
272	Our future in the Anthropocene biosphere. <i>Ambio</i> , 2021 , 50, 834-869	6.5	78
271	Phytoplankton biomass, dissolved organic matter, and temperature drive respiration in whole lake nutrient additions. <i>Limnology and Oceanography</i> , 2021 , 66, 2174-2186	4.8	1
270	Resilience: insights from the U.S. LongTerm Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03434	3.1	4
269	Exit time as a measure of ecological resilience. <i>Science</i> , 2021 , 372,	33.3	14
268	Climate and food web effects on the spring clear-water phase in two north-temperate eutrophic lakes. <i>Limnology and Oceanography</i> , 2021 , 66, 30-46	4.8	4
267	Governance in the Face of Extreme Events: Lessons from Evolutionary Processes for Structuring Interventions, and the Need to Go Beyond. <i>Ecosystems</i> , 2021 , 1-15	3.9	3
266	Spatial and temporal variability of future ecosystem services in an agricultural landscape. <i>Landscape Ecology</i> , 2020 , 35, 2569-2586	4.3	6
265	Social dimensions of fertility behavior and consumption patterns in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6300-6307	11.5	17
264	An invitation for more research on transnational corporations and the biosphere. <i>Nature Ecology and Evolution</i> , 2020 , 4, 494	12.3	6
263	Stochastic dynamics of Cyanobacteria in long-term high-frequency observations of a eutrophic lake. <i>Limnology and Oceanography Letters</i> , 2020 , 5, 331-336	7.9	13
262	Climate change, ecosystems and abrupt change: science priorities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190105	5.8	82
261	Principles for knowledge co-production in sustainability research. <i>Nature Sustainability</i> , 2020 , 3, 182-190	22.1	317
260	Human impacts on planetary boundaries amplified by Earth system interactions. <i>Nature Sustainability</i> , 2020 , 3, 119-128	22.1	108
259	Navigating the chaos of an unfolding global cycle. <i>Ecology and Society</i> , 2020 , 25,	4.1	11

258	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. <i>BioScience</i> , 2020 , 70, 1139-1144	5.7	8
257	Dancing on the volcano: social exploration in times of discontent. <i>Ecology and Society</i> , 2019 , 24,	4.1	25
256	Variation in Bluegill Catch Rates and Total Length Distributions among Four Sampling Gears Used in Two Wisconsin Lakes Dominated by Small Fish. <i>North American Journal of Fisheries Management</i> , 2019 , 39, 714-724	1.1	3
255	Water clarity and temperature effects on walleye safe harvest: an empirical test of the safe operating space concept. <i>Ecosphere</i> , 2019 , 10, e02737	3.1	16
254	Opinion: Governing the recreational dimension of global fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5209-5213	11.5	79
253	Role of economics in analyzing the environment and sustainable development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5233-5238	11.5	72
252	Long-term studies and reproducibility: Lessons from whole-lake experiments. <i>Limnology and Oceanography</i> , 2019 , 64, S22	4.8	8
251	2020 Joint ASLO-SFS Meeting in Madison, Wisconsin. <i>Limnology and Oceanography Bulletin</i> , 2019 , 28, 112-112	0.9	
250	Comparing the effects of climate and land use on surface water quality using future watershed scenarios. <i>Science of the Total Environment</i> , 2019 , 693, 133484	10.2	12
249	Inferring critical transitions in paleoecological time series with irregular sampling and variable time-averaging. <i>Quaternary Science Reviews</i> , 2019 , 207, 49-63	3.9	8
248	Production dynamics reveal hidden overharvest of inland recreational fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24676-24681	11.5	33
247	Anatomy and resilience of the global production ecosystem. <i>Nature</i> , 2019 , 575, 98-108	50.4	104
246	Transnational corporations and the challenge of biosphere stewardship. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1396-1403	12.3	116
245	Understanding relationships among ecosystem services across spatial scales and over time. <i>Environmental Research Letters</i> , 2018 , 13, 054020	6.2	49
244	Extreme precipitation and phosphorus loads from two agricultural watersheds. <i>Limnology and Oceanography</i> , 2018 , 63, 1221-1233	4.8	49
243	Scenarios reveal pathways to sustain future ecosystem services in an agricultural landscape. <i>Ecological Applications</i> , 2018 , 28, 119-134	4.9	24
242	The synergistic effect of manure supply and extreme precipitation on surface water quality. <i>Environmental Research Letters</i> , 2018 , 13, 044016	6.2	21
241	Continuous separation of land use and climate effects on the past and future water balance. <i>Journal of Hydrology</i> , 2018 , 565, 106-122	6	21

240	Can we detect ecosystem critical transitions and signals of changing resilience from paleo-ecological records?. <i>Ecosphere</i> , 2018 , 9, e02438	3.1	14
239	Synthesis of a 33-yr series of whole-lake experiments: Effects of nutrients, grazers, and precipitation-driven water color on chlorophyll. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 419-427	7.9	6
238	A modeling analysis of spatial statistical indicators of thresholds for algal blooms. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 384-392	7.9	6
237	Abrupt Change in Ecological Systems: Inference and Diagnosis. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 513-526	10.9	113
236	Early warning signals precede cyanobacterial blooms in multiple whole-lake experiments. <i>Ecological Monographs</i> , 2018 , 88, 188-203	9	34
235	Biodiversity and ecosystem services require IPBES to take novel approach to scenarios. <i>Sustainability Science</i> , 2017 , 12, 177-181	6.4	83
234	Response to the Letter, Nitrogen is Not a "House of Cards". <i>Environmental Science & Technology</i> , 2017 , 51, 1943	10.3	5
233	The Influence of Legacy P on Lake Water Quality in a Midwestern Agricultural Watershed. <i>Ecosystems</i> , 2017 , 20, 1468-1482	3.9	45
232	The consistency of a species response to press perturbations with high food web uncertainty. <i>Ecology</i> , 2017 , 98, 1859-1868	4.6	5
231	The effects of experimental whole-lake mixing on horizontal spatial patterns of fish and Zooplankton. <i>Aquatic Sciences</i> , 2017 , 79, 543-556	2.5	5
230	Defining a Safe Operating Space for inland recreational fisheries. <i>Fish and Fisheries</i> , 2017 , 18, 1150-1160	6	55
229	Extreme events in lake ecosystem time series. <i>Limnology and Oceanography Letters</i> , 2017 , 2, 63-69	7.9	20
228	Reversal of a cyanobacterial bloom in response to early warnings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 352-357	11.5	56
227	Spatial early warning signals in a lake manipulation. <i>Ecosphere</i> , 2017 , 8, e01941	3.1	25
226	Ecosystem Modeling for the 21st Century. <i>Ecosystems</i> , 2017 , 20, 211-214	3.9	6
225	Twenty Years of Ecosystems: Emerging Questions and Challenges. <i>Ecosystems</i> , 2017 , 20, 1-3	3.9	15
224	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , 2017 , 6, 1-22	7.6	75
223	From qualitative to quantitative environmental scenarios: Translating storylines into biophysical modeling inputs at the watershed scale. <i>Environmental Modelling and Software</i> , 2016 , 85, 80-97	5.2	33

222	Invasive species triggers a massive loss of ecosystem services through a trophic cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4081-5	11.5	238
221	Local perspectives and global archetypes in scenario development. <i>Ecology and Society</i> , 2016 , 21,	4.1	15
220	Response of plankton to nutrients, planktivory and terrestrial organic matter: a model analysis of whole-lake experiments. <i>Ecology Letters</i> , 2016 , 19, 230-9	10	26
219	Bright spots: seeds of a good Anthropocene. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 441-448	5.5	296
218	Social norms as solutions. <i>Science</i> , 2016 , 354, 42-43	33.3	314
217	Reducing Phosphorus to Curb Lake Eutrophication is a Success. <i>Environmental Science & Technology</i> , 2016 , 50, 8923-9	10.3	464
216	Extreme daily loads: role in annual phosphorus input to a north temperate lake. <i>Aquatic Sciences</i> , 2015 , 77, 71-79	2.5	48
215	Advancing sustainability through mainstreaming a social-ecological systems perspective. <i>Current Opinion in Environmental Sustainability</i> , 2015 , 14, 144-149	7.2	211
214	Progress on Nonpoint Pollution: Barriers & Opportunities. <i>Daedalus</i> , 2015 , 144, 35-47	2	47
213	Predicting walleye recruitment as a tool for prioritizing management actions. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015 , 72, 661-672	2.4	48
212	Climate and conservation. Creating a safe operating space for iconic ecosystems. <i>Science</i> , 2015 , 347, 1317-9	33.3	155
211	With and without warning: managing ecosystems in a changing world. <i>Frontiers in Ecology and the Environment</i> , 2015 , 13, 460-467	5.5	48
210	Generic Indicators of Ecological Resilience: Inferring the Chance of a Critical Transition. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015 , 46, 145-167	13.5	221
209	Allowing variance may enlarge the safe operating space for exploited ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14384-9	11.5	82
208	Resilience indicators: prospects and limitations for early warnings of regime shifts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130263	5.8	249
207	Integrating Landscape Carbon Cycling: Research Needs for Resolving Organic Carbon Budgets of Lakes. <i>Ecosystems</i> , 2015 , 18, 363-375	3.9	62
206	What is the influence of a reduction of planktivorous and benthivorous fish on water quality in temperate eutrophic lakes? A systematic review. <i>Environmental Evidence</i> , 2015 , 4,	3.3	45
205	Altered energy flow in the food web of an experimentally darkened lake. <i>Ecosphere</i> , 2015 , 6, art33	3.1	19

204	10 Years Later. <i>Advances in Ecological Research</i> , 2015 , 53, 1-53	4.6	28
203	Plausible futures of a social-ecological system: Yahara watershed, Wisconsin, USA. <i>Ecology and Society</i> , 2015 , 20,	4.1	56
202	Learning to Manage and Managing to Learn: Sustaining Freshwater Recreational Fisheries in a Changing Environment. <i>Fisheries</i> , 2015 , 40, 56-64	1.1	51
201	Sustainability. Planetary boundaries: guiding human development on a changing planet. <i>Science</i> , 2015 , 347, 1259855	33.3	4597
200	A Morphometric Approach for Stocking Walleye Fingerlings in Lakes Invaded by Rainbow Smelt. <i>North American Journal of Fisheries Management</i> , 2014 , 34, 998-1002	1.1	1
199	Use of deep autochthonous resources by zooplankton: Results of a metalimnetic addition of ¹³ C to a small lake. <i>Limnology and Oceanography</i> , 2014 , 59, 986-996	4.8	12
198	Water quality implications from three decades of phosphorus loads and trophic dynamics in the Yahara chain of lakes. <i>Inland Waters</i> , 2014 , 4, 1-14	2.4	33
197	Early warning signals of ecological transitions: methods for spatial patterns. <i>PLoS ONE</i> , 2014 , 9, e92097	3.7	211
196	Regime shift in fertilizer commodities indicates more turbulence ahead for food security. <i>PLoS ONE</i> , 2014 , 9, e93998	3.7	40
195	Drought-driven lake level decline: effects on coarse woody habitat and fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014 , 71, 315-325	2.4	55
194	Early warnings of regime shifts: evaluation of spatial indicators from a whole-ecosystem experiment. <i>Ecosphere</i> , 2014 , 5, art102	3.1	29
193	A new approach for rapid detection of nearby thresholds in ecosystem time series. <i>Oikos</i> , 2014 , 123, 290-297	4	27
192	Phosphorus loading, transport and concentrations in a lake chain: a probabilistic model to compare management options. <i>Aquatic Sciences</i> , 2014 , 76, 145-154	2.5	19
191	What is the influence on water quality in temperate eutrophic lakes of a reduction of planktivorous and benthivorous fish? A systematic review protocol. <i>Environmental Evidence</i> , 2013 , 2, 9	3.3	11
190	Evidence of alternate attractors from a whole-ecosystem regime shift experiment. <i>Theoretical Ecology</i> , 2013 , 6, 385-394	1.6	25
189	Catch-and-Release Rates of Sport Fishes in Northern Wisconsin from an Angler Diary Survey. <i>North American Journal of Fisheries Management</i> , 2013 , 33, 606-614	1.1	44
188	Multiscale regime shifts and planetary boundaries. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 389-95	10.9	194
187	Asymmetric response of early warning indicators of phytoplankton transition to and from cycles. <i>Theoretical Ecology</i> , 2013 , 6, 285-293	1.6	23

186	Are rapid transitions between invasive and native species caused by alternative stable states, and does it matter?. <i>Ecology</i> , 2013 , 94, 2207-19	4.6	32
185	Influences of local weather, large-scale climatic drivers, and the ca. 11 year solar cycle on lake ice breakup dates; 1905-2004. <i>Climatic Change</i> , 2013 , 118, 857-870	4.5	23
184	Food web consequences of long-term invasive crayfish control. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013 , 70, 1109-1122	2.4	53
183	Terrestrial support of pelagic consumers: patterns and variability revealed by a multilake study. <i>Freshwater Biology</i> , 2013 , 58, 2037-2049	3.1	58
182	Zooplankton provide early warnings of a regime shift in a whole lake manipulation. <i>Limnology and Oceanography</i> , 2013 , 58, 525-532	4.8	33
181	Changes in ecosystem resilience detected in automated measures of ecosystem metabolism during a whole-lake manipulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17398-403	11.5	48
180	The topology of non-linear global carbon dynamics: from tipping points to planetary boundaries. <i>Environmental Research Letters</i> , 2013 , 8, 044048	6.2	36
179	Conditional Heteroskedasticity Forecasts Regime Shift in a Whole-Ecosystem Experiment. <i>Ecosystems</i> , 2012 , 15, 741-747	3.9	38
178	Anticipating critical transitions. <i>Science</i> , 2012 , 338, 344-8	33.3	1207
177	Program on ecosystem change and society: an international research strategy for integrated social-ecological systems. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 134-138	7.2	74
176	Interpolating and forecasting lake characteristics using long-term monitoring data. <i>Limnology and Oceanography</i> , 2012 , 57, 1113-1125	4.8	5
175	Early warnings of regime shift when the ecosystem structure is unknown. <i>PLoS ONE</i> , 2012 , 7, e45586	3.7	34
174	Drivers, "Slow" Variables, "Fast" Variables, Shocks, and Resilience. <i>Ecology and Society</i> , 2012 , 17,	4.1	119
173	General Resilience to Cope with Extreme Events. <i>Sustainability</i> , 2012 , 4, 3248-3259	3.6	203
172	Assessing a decade of phosphorus management in the Lake Mendota, Wisconsin watershed and scenarios for enhanced phosphorus management. <i>Aquatic Sciences</i> , 2012 , 74, 241-253	2.5	20
171	Whole-lake addition of coarse woody habitat: response of fish populations. <i>Aquatic Sciences</i> , 2012 , 74, 255-266	2.5	29
170	Embodied phosphorus and the global connections of United States agriculture. <i>Environmental Research Letters</i> , 2012 , 7, 044024	6.2	48
169	Spatial heterogeneity strongly affects estimates of ecosystem metabolism in two north temperate lakes. <i>Limnology and Oceanography</i> , 2012 , 57, 1689-1700	4.8	61

168	Resources supporting the food web of a naturally productive lake. <i>Limnology and Oceanography</i> , 2012 , 57, 1443-1452	4.8	25
167	Free-water lake metabolism: addressing noisy time series with a Kalman filter. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 20-30	2.6	25
166	Methods for detecting early warnings of critical transitions in time series illustrated using simulated ecological data. <i>PLoS ONE</i> , 2012 , 7, e41010	3.7	476
165	Solutions for a cultivated planet. <i>Nature</i> , 2011 , 478, 337-42	50.4	4351
164	State of the World's Freshwater Ecosystems: Physical, Chemical, and Biological Changes. <i>Annual Review of Environment and Resources</i> , 2011 , 36, 75-99	17.2	520
163	Decision-making under great uncertainty: environmental management in an era of global change. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 398-404	10.9	359
162	Integrating aquatic and terrestrial components to construct a complete carbon budget for a north temperate lake district. <i>Global Change Biology</i> , 2011 , 17, 1193-1211	11.4	129
161	Lakeshore residential development and growth of largemouth bass (<i>Micropterus salmoides</i>): a cross-lakes comparison. <i>Ecology of Freshwater Fish</i> , 2011 , 20, 92-101	2.1	26
160	Trophic downgrading of planet Earth. <i>Science</i> , 2011 , 333, 301-6	33.3	2365
159	Reconnecting to the biosphere. <i>Ambio</i> , 2011 , 40, 719-38	6.5	322
158	Coarse Woody Habitat, Lakeshore Residential Development, and Largemouth Bass Nesting Behavior. <i>North American Journal of Fisheries Management</i> , 2011 , 31, 666-670	1.1	19
157	Strong evidence for terrestrial support of zooplankton in small lakes based on stable isotopes of carbon, nitrogen, and hydrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1975-80	11.5	244
156	Rates and components of carbon turnover in fish muscle: insights from bioenergetics models and a whole-lake ¹³ C addition. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 387-399	2.4	106
155	Reconsideration of the planetary boundary for phosphorus. <i>Environmental Research Letters</i> , 2011 , 6, 014009	6.2	230
154	Conditional heteroscedasticity as a leading indicator of ecological regime shifts. <i>American Naturalist</i> , 2011 , 178, 442-51	3.7	59
153	Early warnings of regime shifts: a whole-ecosystem experiment. <i>Science</i> , 2011 , 332, 1079-82	33.3	588
152	Early warnings of unknown nonlinear shifts: a nonparametric approach. <i>Ecology</i> , 2011 , 92, 2196-201	4.6	40
151	Terrestrial, benthic, and pelagic resource use in lakes: results from a three-isotope Bayesian mixing model 2011 , 92, 1115		34

150	Trading carbon for food: global comparison of carbon stocks vs. crop yields on agricultural land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19645-8	11.5	228
149	Interacting regime shifts in ecosystems: implication for early warnings. <i>Ecological Monographs</i> , 2010 , 80, 353-367	9	72
148	Filling holes in regional carbon budgets: Predicting peat depth in a north temperate lake district. <i>Journal of Geophysical Research</i> , 2010 , 115,		29
147	Ecosystem stewardship: sustainability strategies for a rapidly changing planet. <i>Trends in Ecology and Evolution</i> , 2010 , 25, 241-9	10.9	608
146	Early warnings of regime shifts in spatial dynamics using the discrete Fourier transform. <i>Ecosphere</i> , 2010 , 1, art10	3.1	42
145	Preparing for the future: teaching scenario planning at the graduate level. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 267-273	5.5	29
144	Resilience Thinking: Integrating Resilience, Adaptability and Transformability. <i>Ecology and Society</i> , 2010 , 15,	4.1	1807
143	Ask1995: Commentary by Stephen Carpenter 2010 , 77-81		
142	Ask12002: Commentary by Stephen Carpenter 2010 , 217-220		
141	Resilience: Accounting for the Noncomputable. <i>Ecology and Society</i> , 2009 , 14,	4.1	65
140	Turning back from the brink: detecting an impending regime shift in time to avert it. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 826-31	11.5	485
139	Leading indicators of phytoplankton transitions caused by resource competition. <i>Theoretical Ecology</i> , 2009 , 2, 139-148	1.6	14
138	Phosphorus sources and demand during summer in a eutrophic lake. <i>Aquatic Sciences</i> , 2009 , 71, 214-227	2.5	22
137	Early-warning signals for critical transitions. <i>Nature</i> , 2009 , 461, 53-9	50.4	2460
136	Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1305-12	11.5	1437
135	Climate change and lakes: Estimating sensitivities of water and carbon budgets. <i>Journal of Geophysical Research</i> , 2009 , 114,		11
134	Spurious Certainty: How Ignoring Measurement Error and Environmental Heterogeneity May Contribute to Environmental Controversies. <i>BioScience</i> , 2009 , 59, 65-76	5.7	28
133	Estimates of phosphorus entrainment in Lake Mendota: a comparison of one-dimensional and three-dimensional approaches. <i>Limnology and Oceanography: Methods</i> , 2009 , 7, 553-567	2.6	10

132	Long-term variation in isotopic baselines and implications for estimating consumer trophic niches. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008 , 65, 2191-2200	2.4	21
131	Phosphorus control is critical to mitigating eutrophication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 11039-40	11.5	408
130	Zooplankton and the total phosphorus-chlorophyll a relationship: hierarchical Bayesian analysis of measurement error. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008 , 65, 2644-2655	2.4	20
129	Evaluation of metabolism models for free-water dissolved oxygen methods in lakes. <i>Limnology and Oceanography: Methods</i> , 2008 , 6, 454-465	2.6	79
128	G. EVELYN HUTCHINSON AWARD TO MICHAEL PACE. <i>Limnology and Oceanography Bulletin</i> , 2008 , 17, 111-111	0.9	
127	Leading indicators of trophic cascades. <i>Ecology Letters</i> , 2008 , 11, 128-38	10	120
126	Estimating the Risk of Exceeding Thresholds in Environmental Systems. <i>Water, Air, and Soil Pollution</i> , 2008 , 191, 131-138	2.6	5
125	Airborne carbon deposition on a remote forested lake. <i>Aquatic Sciences</i> , 2008 , 70, 213-224	2.5	23
124	Carbon sources supporting fish growth in a north temperate lake. <i>Aquatic Sciences</i> , 2008 , 70, 446-458	2.5	39
123	Probabilistic Estimate of a Threshold for Eutrophication. <i>Ecosystems</i> , 2008 , 11, 601-613	3.9	57
122	Complexity of coupled human and natural systems. <i>Science</i> , 2007 , 317, 1513-6	33.3	2210
121	Understanding Regional Change: A Comparison of Two Lake Districts. <i>BioScience</i> , 2007 , 57, 323-335	5.7	103
120	Carbon and water cycling in lake-rich landscapes: Landscape connections, lake hydrology, and biogeochemistry. <i>Journal of Geophysical Research</i> , 2007 , 112,		30
119	Small lakes dominate a random sample of regional lake characteristics. <i>Freshwater Biology</i> , 2007 , 52, 814-822	3.1	83
118	Support of benthic invertebrates by detrital resources and current autochthonous primary production: results from a whole-lake ¹³ C addition. <i>Freshwater Biology</i> , 2007 , 53, 070902205948002-???3.1	3.1	12
117	Appropriate discounting leads to forward-looking ecosystem management. <i>Ecological Research</i> , 2007 , 22, 10-11	1.9	16
116	Sources and fates of dissolved organic carbon in lakes as determined by whole-lake carbon isotope additions. <i>Biogeochemistry</i> , 2007 , 84, 115-129	3.8	69
115	A Decade of Ecosystems. <i>Ecosystems</i> , 2007 , 10, 519-522	3.9	3

114	Coupled human and natural systems. <i>Ambio</i> , 2007 , 36, 639-49	6.5	501
113	Does terrestrial organic carbon subsidize the planktonic food web in a clear-water lake?. <i>Limnology and Oceanography</i> , 2007 , 52, 2177-2189	4.8	109
112	Assessing pelagic and benthic metabolism using free water measurements. <i>Limnology and Oceanography: Methods</i> , 2007 , 5, 145-155	2.6	104
111	Panaceas and diversification of environmental policy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15206-11	11.5	81
110	Stability and diversity of ecosystems. <i>Science</i> , 2007 , 317, 58-62	33.3	917
109	Can algal photosynthetic inorganic carbon isotope fractionation be predicted in lakes using existing models?. <i>Aquatic Sciences</i> , 2006 , 68, 142-153	2.5	67
108	LAKE DISSOLVED INORGANIC CARBON AND DISSOLVED OXYGEN: CHANGING DRIVERS FROM DAYS TO DECADES. <i>Ecological Monographs</i> , 2006 , 76, 343-363	9	54
107	Ecology. Millennium ecosystem assessment: research needs. <i>Science</i> , 2006 , 314, 257-8	33.3	368
106	Quick Fixes for the Environment: Part of the Solution or Part of the Problem?. <i>Environment</i> , 2006 , 48, 20-27	2.8	25
105	Ecology for transformation. <i>Trends in Ecology and Evolution</i> , 2006 , 21, 309-15	10.9	165
104	Scenarios for Ecosystem Services: An Overview. <i>Ecology and Society</i> , 2006 , 11,	4.1	201
103	Variance as a Leading Indicator of Regime Shift in Ecosystem Services. <i>Ecology and Society</i> , 2006 , 11,	4.1	75
102	Fish Community and Food Web Responses to a Whole-lake Removal of Coarse Woody Habitat. <i>Fisheries</i> , 2006 , 31, 321-330	1.1	94
101	Rising variance: a leading indicator of ecological transition. <i>Ecology Letters</i> , 2006 , 9, 311-8	10	548
100	Differential support of lake food webs by three types of terrestrial organic carbon. <i>Ecology Letters</i> , 2006 , 9, 558-68	10	261
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