Elena Bennett

List of Publications by Year
in descending order

159 papers	31,695 citations	28736 57 h-index	9118 149 g-index
164 all docs	164 docs citations	164 times ranked	35043 citing authors

#	Article	IF	Citations
1	Governance in the Face of Extreme Events: Lessons from Evolutionary Processes for Structuring Interventions, and the Need to Go Beyond. Ecosystems, 2022, 25, 697-711.	1.6	18
2	Contrasting responses of soybean aphids, primary parasitoids, and hyperparasitoids to forest fragments and agricultural landscape structure. Agriculture, Ecosystems and Environment, 2022, 326, 107752.	2.5	5
3	Co-productive agility and four collaborative pathways to sustainability transformations. Global Environmental Change, 2022, 72, 102422.	3.6	77
4	Bright spots for inland fish and fisheries to guide future hydropower development. , 2022, 1, 100009.		7
5	Property rights play a pivotal role in the distribution of ecosystem services among beneficiaries. Ecosystems and People, 2022, 18, 131-145.	1.3	7
6	Advancing research on ecosystem service bundles for comparative assessments and synthesis. Ecosystems and People, 2022, 18, 99-111.	1.3	18
7	Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts. Ambio, 2022, 51, 1907-1920.	2.8	23
8	Biophysical indicators and Indigenous and Local Knowledge reveal climatic and ecological shifts with implications for Arctic Char fisheries. Global Environmental Change, 2022, 74, 102469.	3.6	15
9	Learning from the future: mainstreaming disruptive solutions for the transition to sustainable food systems. Environmental Research Letters, 2022, 17, 051002.	2.2	6
10	Adapting to climate change in small-scale fisheries: Insights from indigenous communities in the global north and south. Environmental Science and Policy, 2021, 116, 160-170.	2.4	22
11	Advancing a toolkit of diverse futures approaches for global environmental assessments. Ecosystems and People, 2021, 17, 191-204.	1.3	29
12	Ecosystem services and the resilience of agricultural landscapes. Advances in Ecological Research, 2021, , 1-43.	1.4	33
13	Land-use intensity mediates ecosystem service tradeoffs across regional social-ecological systems. Ecosystems and People, 2021, 17, 264-278.	1.3	21
14	Identifying key ecosystem service providing areas to inform national-scale conservation planning. Environmental Research Letters, 2021, 16, 014038.	2.2	55
15	Social networks influence farming practices and agrarian sustainability. PLoS ONE, 2021, 16, e0244619.	1.1	17
16	The Phosphorus Cycle. , 2021, , 189-213.		1
17	Patchwork Earth: navigating pathways to just, thriving, and sustainable futures. One Earth, 2021, 4, 172-176.	3.6	29
18	Key information needs to move from knowledge to action for biodiversity conservation in Canada. Biological Conservation, 2021, 256, 108983.	1.9	40

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19	The relationship between watershed protection and water quality: The case of QuÃ©bec, Canada. Freshwater Science, 2021, 40, 382-396.	0.9	6
20	Six modes of co-production for sustainability. Nature Sustainability, 2021, 4, 983-996.	11.5	192
21	Bright spots of carbon storage in temperate forests. Journal of Applied Ecology, 2021, 58, 3012-3022.	1.9	3
22	Farmland heterogeneity is associated with gains in some ecosystem services but also potential trade-offs. Agriculture, Ecosystems and Environment, 2021, 322, 107661.	2.5	20
23	The six dimensions of collective leadership that advance sustainability objectives: rethinking what it means to be an academic leader. Ecology and Society, 2021, 26, .	1.0	8
24	Managing Canadaâ€™s land- and seascapes for multiple ecosystem services in the Anthropocene: introduction to the Food, Fiber, Fuel, and Function collection. Facets, 2021, 6, 1986-1992.	1.1	0
25	Facing the challenges of using place-based social-ecological research to support ecosystem service governance at multiple scales. Ecosystems and People, 2021, 17, 574-589.	1.3	9
26	Effects of land use, cover, and protection on stream and riparian ecosystem services and biodiversity. Conservation Biology, 2020, 34, 244-255.	2.4	35
27	Seeds of good anthropocenes: developing sustainability scenarios for Northern Europe. Sustainability Science, 2020, 15, 605-617.	2.5	48
28	Towards integrated knowledge of climate change in Arctic marine systems: a systematic literature review of multidisciplinary research. Arctic Science, 2020, 6, 1-23.	0.9	21
29	Landscape structure as a mediator of ecosystem service interactions. Landscape Ecology, 2020, 35, 2863-2880.	1.9	57
30	Scaling the impact of sustainability initiatives: a typology of amplification processes. Urban Transformations, 2020, 2, .	1.5	107
31	A brighter future: Complementary goals of diversity and multifunctionality to build resilient agricultural landscapes. Global Food Security, 2020, 26, 100407.	4.0	17
32	The role of the social network structure on the spread of intensive agriculture: an example from Navarre, Spain. Regional Environmental Change, 2020, 20, 1.	1.4	9
33	Socio-ecological determinants on spatio-temporal changes of groundwater in the Yellow River Basin, China. Science of the Total Environment, 2020, 731, 138725.	3.9	21
34	Resilience trinity: safeguarding ecosystem functioning and services across three different time horizons and decision contexts. Oikos, 2020, 129, 445-456.	1.2	33
35	Benthic-based contributions to climate change mitigation and adaptation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190107.	1.8	30
36	Principles for knowledge co-production in sustainability research. Nature Sustainability, 2020, 3, 182-190.	11.5	697

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37	Climate change and adaptation to social-ecological change: the case of indigenous people and culture-based fisheries in Sri Lanka. Climatic Change, 2020, 162, 279-300.	1.7	29
38	Identifying pathways to reduce discrepancies between desired and provided ecosystem services. Ecosystem Services, 2020, 43, 101119.	2.3	7
39	A novel approach for co-producing positive scenarios that explore agency: case study from the Canadian Arctic. Sustainability Science, 2019, 14, 205-220.	2.5	29
40	Researcher engagement in policy deemed societally beneficial yet unrewarded. Frontiers in Ecology and the Environment, 2019, 17, 375-382.	1.9	17
41	Ecosystem service bundles in global hinterlands. Environmental Research Letters, 2019, 14, 084005.	2.2	23
42	Global modeling of natureâ€™s contributions to people. Science, 2019, 366, 255-258.	6.0	279
43	Climate change and community fisheries in the arctic: A case study from Pangnirtung, Canada. Journal of Environmental Management, 2019, 250, 109534.	3.8	44
44	Spatio-temporal dynamics of groundwater storage changes in the Yellow River Basin. Journal of Environmental Management, 2019, 235, 84-95.	3.8	41
45	A novel telecoupling framework to assess social relations across spatial scales for ecosystem services research. Journal of Environmental Management, 2019, 241, 251-263.	3.8	63
46	Determining the value of ecosystem services in agriculture. , 2019, , 60-89.		2
47	Identifying hotspots and representative monitoring area of groundwater changes with time stability analysis. Science of the Total Environment, 2019, 667, 419-426.	3.9	11
48	Bright spots among lakes in the Rideau Valley Watershed, Ontario. Ecology and Society, 2019, 24, .	1.0	2
49	Key knowledge gaps to achieve global sustainability goals. Nature Sustainability, 2019, 2, 1115-1121.	11.5	193
50	A framework for assessing community adaptation to climate change in a fisheries context. Environmental Science and Policy, 2019, 92, 17-26.	2.4	36
51	Differential influence of landscape features and climate on nitrogen and phosphorus transport throughout the watershed. Biogeochemistry, 2019, 142, 155-174.	1.7	38
52	Watershed Buffering of Legacy Phosphorus Pressure at a Regional Scale: A Comparison Across Space and Time. Ecosystems, 2019, 22, 91-109.	1.6	27
53	The MontÃ©rÃ©gie Connection: Understanding How Ecosystems Can Provide Resilience to the Risk of Ecosystem Service Change. , 2019, , 291-300.		0
54	Global phosphorus flows through agricultural trade. Global Environmental Change, 2018, 50, 133-141.	3.6	124

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55	Dynamic simulation of phosphorus flows through Montrealâ€™s food and waste systems. Resources, Conservation and Recycling, 2018, 131, 122-133.	5.3	23
56	Response to Kabisch and Colleagues. BioScience, 2018, 68, 167-168.	2.2	0
57	Landâ€use intensity indirectly affects ecosystem services mainly through plant functional identity in a temperate forest. Functional Ecology, 2018, 32, 1390-1399.	1.7	44
58	Cropland patchiness strongest agricultural predictor of bird diversity for multiple guilds in landscapes of Ontario, Canada. Regional Environmental Change, 2018, 18, 2105-2115.	1.4	9
59	Phosphorus flows and legacy accumulation in an animal-dominated agricultural region from 1925 to 2012. Global Environmental Change, 2018, 50, 88-99.	3.6	36
60	Undervalued and under pressure: A plea for greater attention toward regulating ecosystem services. Ecological Indicators, 2018, 94, 23-32.	2.6	41
61	A review of riverine ecosystem service quantification: Research gaps and recommendations. Journal of Applied Ecology, 2018, 55, 1299-1311.	1.9	86
62	Seeds of the Future in the Present. , 2018, , 327-350.		19
63	Low buffering capacity and slow recovery of anthropogenic phosphorus pollution in watersheds. Nature Geoscience, 2018, 11, 921-925.	5.4	103
64	Reconsidering non-traditional export agriculture and household food security: A case study in rural Guatemala. PLoS ONE, 2018, 13, e0198113.	1.1	15
65	The impact of flooding on aquatic ecosystem services. Biogeochemistry, 2018, 141, 439-461.	1.7	142
66	Welcoming different perspectives in IPBES: “Nature’s contributions to people” and “Ecosystem services”. Ecology and Society, 2018, 23, .	1.0	108
67	Bright spots in agricultural landscapes: Identifying areas exceeding expectations for multifunctionality and biodiversity. Journal of Applied Ecology, 2018, 55, 2731-2743.	1.9	35
68	The role of management instruments in the diversion of organic municipal solid waste and phosphorus recycling. Facets, 2018, 3, 896-919.	1.1	3
69	Changing the agriculture and environment conversation. Nature Ecology and Evolution, 2017, 1, 18.	3.4	72
70	Unpacking ecosystem service bundles: Towards predictive mapping of synergies and trade-offs between ecosystem services. Global Environmental Change, 2017, 47, 37-50.	3.6	229
71	When, Where, and How Nature Matters for Ecosystem Services: Challenges for the Next Generation of Ecosystem Service Models. BioScience, 2017, 67, 820-833.	2.2	114
72	Research Frontiers in Ecosystem Service Science. Ecosystems, 2017, 20, 31-37.	1.6	56

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73	Key features for more successful place-based sustainability research on social-ecological systems: a Programme on Ecosystem Change and Society (PECS) perspective. Ecology and Society, 2017, 22, .	1.0	84
74	Extrinsic vs. Intrinsic Regimes Shifts in Shallow Lakes: Long-Term Response of Cyanobacterial Blooms to Historical Catchment Phosphorus Loading and Climate Warming. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	15
75	Agriculture production as a major driver of the Earth system exceeding planetary boundaries. Ecology and Society, 2017, 22, .	1.0	576
76	The surprisingly small but increasing role of international agricultural trade on the European Unionâ€™s dependence on mineral phosphorus fertiliser. Environmental Research Letters, 2016, 11, 025003.	2.2	28
77	Science for the sustainable use of ecosystem services. F1000Research, 2016, 5, 2622.	0.8	36
78	Within and Among Patch Variability in Patterns of Insect Herbivory Across a Fragmented Forest Landscape. PLoS ONE, 2016, 11, e0150843.	1.1	13
79	Trade in the US and Mexico helps reduce environmental costs of agriculture. Environmental Research Letters, 2016, 11, 055004.	2.2	22
80	Changes in anthropogenic nitrogen and phosphorus inputs to the St. Lawrence subâ€basin over 110â€‰years and impacts on riverine export. Global Biogeochemical Cycles, 2016, 30, 1000-1014.	1.9	92
81	Landscape structure affects the provision of multiple ecosystem services. Environmental Research Letters, 2016, 11, 124017.	2.2	94
82	Recovery trends for multiple ecosystem services reveal non-linear responses and long-term tradeoffs from temperate forest harvesting. Forest Ecology and Management, 2016, 374, 61-70.	1.4	55
83	Realizing Resilient Food Systems. BioScience, 2016, 66, 600-610.	2.2	186
84	Disentangling the Pathways and Effects of Ecosystem Service Co-Production. Advances in Ecological Research, 2016, , 245-283.	1.4	160
85	Bright spots: seeds of a good Anthropocene. Frontiers in Ecology and the Environment, 2016, 14, 441-448.	1.9	414
86	Sugar maple tree canopies as reservoirs for arthropod functional diversity in forest patches across a fragmented agricultural landscape in southern Quebec, Canada. Ecoscience, 2016, 23, 1-12.	0.6	1
87	A Guide to Historical Data Sets for Reconstructing Ecosystem Service Change over Time. BioScience, 2016, 66, 747-762.	2.2	45
88	Seeing the forest for its multiple ecosystem services: Indicators for cultural services in heterogeneous forests. Ecological Indicators, 2016, 71, 123-133.	2.6	50
89	Agro-biodiversity has increased over a 95 year period at sub-regional and regional scales in southern Quebec, Canada. Environmental Research Letters, 2016, 11, 124024.	2.2	11
90	Feeding the Corn Belt: Opportunities for phosphorus recycling in U.S. agriculture. Science of the Total Environment, 2016, 542, 1117-1126.	3.9	84

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91	Strong and nonlinear effects of fragmentation on ecosystem service provision at multiple scales. Environmental Research Letters, 2015, 10, 094014.	2.2	93
92	Principle 2 â€“ Manage connectivity. , 2015, , 80-104.		21
93	The MontÃ©rÃ©gie Connection: linking landscapes, biodiversity, and ecosystem services to improve decision making. Ecology and Society, 2015, 20, .	1.0	34
94	10 Years Later. Advances in Ecological Research, 2015, 53, 1-53.	1.4	43
95	Landscape connectivity and insect herbivory: A framework for understanding tradeoffs among ecosystem services. Global Ecology and Conservation, 2015, 4, 73-84.	1.0	38
96	Planetary boundaries: Guiding human development on a changing planet. Science, 2015, 347, 1259855.	6.0	7,124
97	Landscape and local factors influence water purification in the Monteregian agroecosystem in QuÃ©bec, Canada. Regional Environmental Change, 2015, 15, 1743-1755.	1.4	8
98	Advancing sustainability through mainstreaming a socialâ€“ecological systems perspective. Current Opinion in Environmental Sustainability, 2015, 14, 144-149.	3.1	274
99	Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability. Current Opinion in Environmental Sustainability, 2015, 14, 76-85.	3.1	559
100	Historical dynamics in ecosystem service bundles. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13411-13416.	3.3	261
101	Effect of fragmentation on predation pressure of insect herbivores in a north temperate deciduous forest ecosystem. Ecological Entomology, 2015, 40, 182-186.	1.1	12
102	Urban phosphorus sustainability: Systemically incorporating social, ecological, and technological factors into phosphorus flow analysis. Environmental Science and Policy, 2015, 47, 1-11.	2.4	112
103	Facilitators & barriers to organic waste and phosphorus re-use in Montreal. Elementa, 2015, 3, .	1.1	8
104	Phosphorus Cycling in Montrealâ€™s Food and Urban Agriculture Systems. PLoS ONE, 2015, 10, e0120726.	1.1	45
105	Effect of woody-plant encroachment on livestock production in North and South America. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12948-12953.	3.3	145
106	Interactions Among Ecosystem Services Across Land Uses in a Floodplain Agroecosystem. Ecology and Society, 2014, 19, .	1.0	102
107	Forest fragments modulate the provision of multiple ecosystem services. Journal of Applied Ecology, 2014, 51, 909-918.	1.9	128
108	Agricultural landscape structure affects arthropod diversity and arthropod-derived ecosystem services. Agriculture, Ecosystems and Environment, 2014, 192, 144-151.	2.5	58

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109	Social media as a tool for improving research and teaching. Frontiers in Ecology and the Environment, 2014, 12, 259-259.	1.9	4
110	Phosphorus is a key component of the resource demands for meat, eggs, and dairy production in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4906-7.	3.3	11
111	Temperate forest fragments maintain aboveground carbon stocks out to the forest edge despite changes in community composition. Oecologia, 2014, 176, 893-902.	0.9	38
112	Functional organization analysis for the design of sustainable engineering systems. Ecological Engineering, 2014, 73, 80-91.	1.6	35
113	Linking Landscape Connectivity and Ecosystem Service Provision: Current Knowledge and Research Gaps. Ecosystems, 2013, 16, 894-908.	1.6	299
114	Variability in ecosystem service measurement: a pollination service case study. Frontiers in Ecology and the Environment, 2013, 11, 414-422.	1.9	41
115	The Phosphorus Cycle. , 2013, , 159-178.		6
116	Capacity, pressure, demand, and flow: A conceptual framework for analyzing ecosystem service provision and delivery. Ecological Complexity, 2013, 15, 114-121.	1.4	497
117	Functional diversity and management mediate aboveground carbon stocks in small forest fragments. Ecosphere, 2013, 4, 1-21.	1.0	54
118	Regional Differences in Phosphorus Budgets in Intensive Soybean Agriculture. BioScience, 2013, 63, 49-54.	2.2	23
119	Embodied phosphorus and the global connections of United States agriculture. Environmental Research Letters, 2012, 7, 044024.	2.2	62
120	The role of diet in phosphorus demand. Environmental Research Letters, 2012, 7, 044043.	2.2	114
121	The Influence of Agricultural Trade and Livestock Production on the Global Phosphorus Cycle. Ecosystems, 2012, 15, 256-268.	1.6	98
122	The influence of time, soil characteristics, and landâ€use history on soil phosphorus legacies: a global metaâ€analysis. Global Change Biology, 2012, 18, 1904-1917.	4.2	107
123	A broken biogeochemical cycle. Nature, 2011, 478, 29-31.	13.7	734
124	Solutions for a cultivated planet. Nature, 2011, 478, 337-342.	13.7	5,821
125	Land-Use Legacies Are Important Determinants of Lake Eutrophication in the Anthropocene. PLoS ONE, 2011, 6, e15913.	1.1	46
126	Conservation of a transboundary lake: Historical watershed and paleolimnological analyses can inform management strategies. Lake and Reservoir Management, 2011, 27, 355-364.	0.4	3

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127	Environmental and social predictors of phosphorus in urban streams on the Island of MontrÃ©al, QuÃ©bec. Urban Ecosystems, 2011, 14, 485-499.	1.1	22
128	Reconsideration of the planetary boundary for phosphorus. Environmental Research Letters, 2011, 6, 014009.	2.2	307
129	Agronomic phosphorus imbalances across the world's croplands. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3086-3091.	3.3	654
130	The Paradox Persists: How to Resolve It. BioScience, 2011, 61, 11-12.	2.2	8
131	Tropical teleconnections. Nature Geoscience, 2010, 3, 154-155.	5.4	14
132	Characterizing the Spatial Patterns of Global Fertilizer Application and Manure Production. Earth Interactions, 2010, 14, 1-22.	0.7	335
133	Communicating with the public: opportunities and rewards for individual ecologists. Frontiers in Ecology and the Environment, 2010, 8, 292-298.	1.9	58
134	Untangling the Environmentalist's Paradox: Why Is Human Well-being Increasing as Ecosystem Services Degrade?. BioScience, 2010, 60, 576-589.	2.2	358
135	Ecosystem service bundles for analyzing tradeoffs in diverse landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5242-5247.	3.3	1,461
136	Phosphorus and land-use changes are significant drivers of cladoceran community composition and diversity: an analysis over spatial and temporal scales. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1262-1273.	0.7	17
137	Phosphorus Accumulation in Saint Lawrence River Watershed Soils: A Century-Long Perspective. Ecosystems, 2009, 12, 621-635.	1.6	50
138	Understanding relationships among multiple ecosystem services. Ecology Letters, 2009, 12, 1394-1404.	3.0	1,707
139	Estimating the Risk of Exceeding Thresholds in Environmental Systems. Water, Air, and Soil Pollution, 2008, 191, 131-138.	1.1	5
140	Agricultural modifications of hydrological flows create ecological surprises. Trends in Ecology and Evolution, 2008, 23, 211-219.	4.2	308
141	The future of production systems in a globalized world. Frontiers in Ecology and the Environment, 2007, 5, 191-198.	1.9	147
142	Trade-offs across Space, Time, and Ecosystem Services. Ecology and Society, 2006, 11, .	1.0	951
143	Scenarios for Ecosystem Services: An Overview. Ecology and Society, 2006, 11, .	1.0	245
144	Synthesis of the Storylines. Ecology and Society, 2006, 11, .	1.0	12

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145	Anthropogenic Drivers of Ecosystem Change: an Overview. Ecology and Society, 2006, 11, .	1.0	229
146	Are Existing Global Scenarios Consistent with Ecological Feedbacks?. Ecosystems, 2005, 8, 143-152.	1.6	40
147	Looking to the Future of Ecosystem Services. Ecosystems, 2005, 8, 125-132.	1.6	51
148	A Systems Model Approach to Determining Resilience Surrogates for Case Studies. Ecosystems, 2005, 8, 945-957.	1.6	145
149	Soil Phosphorus Variability: Scale-dependence in an Urbanizing Agricultural Landscape. Landscape Ecology, 2005, 20, 389-400.	1.9	44
150	A TEST OF THE ENVIRONMENTAL KUZNETS CURVE USING LONG-TERM WATERSHED INPUTS. , 2004, 14, 555-570.		28
151	Soil Phosphorus Concentrations in Dane County, Wisconsin, USA: An Evaluation of the Urban?Rural Gradient Paradigm. Environmental Management, 2003, 32, 476-487.	1.2	25
152	The Future for Fisheries. Science, 2003, 302, 1359-1361.	6.0	385
153	Why global scenarios need ecology. Frontiers in Ecology and the Environment, 2003, 1, 322-329.	1.9	100
154	Assessing Future Ecosystem Services: a Case Study of the Northern Highlands Lake District, Wisconsin. Ecology and Society, 2003, 7, .	0.9	109
155	Human Impact on Erodable Phosphorus and Eutrophication: A Global Perspective. BioScience, 2001, 51, 227.	2.2	757
156	Distribution of recreational boating across lakes: do landscape variables affect recreational use?. Freshwater Biology, 2000, 43, 439-448.	1.2	43
157	A Phosphorus Budget for the Lake Mendota Watershed. Ecosystems, 1999, 2, 69-75.	1.6	107
158	Marine and Coastal Cultural Ecosystem Services: knowledge gaps and research priorities. One Ecosystem, 0, 2, e12290.	0.0	108
159	Tree biodiversity in northern forests shows temporal stability over 35â€‰years at different scales, levels, and dimensions. Journal of Ecology, 0, , .	1.9	0