Garry D Peterson

List of Publications by Year
in descending order

111 papers	22,023 citations	18482 62 h-index	31849 101 g-index
122 all docs	122 docs citations	122 times ranked	21227 citing authors

#	Article	IF	Citations
1	Understanding relationships among multiple ecosystem services. Ecology Letters, 2009, 12, 1394-1404.	6.4	1,707
2	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.	7.1	1,461
3	Response diversity, ecosystem change, and resilience. Frontiers in Ecology and the Environment, 2003, 1, 488-494.	4.0	1,409
4	Resilience: A Bridging Concept or a Dead End? â€œReframingâ€•Resilience: Challenges for Planning Theory and Practice Interacting Traps: Resilience Assessment of a Pasture Management System in Northern Afghanistan Urban Resilience: What Does it Mean in Planning Practice? Resilience as a Useful Concept for Climate Change Adaptation? The Politics of Resilience for Planning: A Cautionary Note. Planning Theory and Practice, 2012, 13, 299-333.	1.7	1,251
5	Original Articles: Ecological Resilience, Biodiversity, and Scale. Ecosystems, 1998, 1, 6-18.	3.4	1,225
6	Scenario Planning: a Tool for Conservation in an Uncertain World. Conservation Biology, 2003, 17, 358-366.	4.7	1,068
7	Trade-offs across Space, Time, and Ecosystem Services. Ecology and Society, 2006, 11, .	2.3	951
8	Resilience Management in Social-ecological Systems: a Working Hypothesis for a Participatory Approach. Ecology and Society, 2002, 6, .	0.9	880
9	Ecological Thresholds: The Key to Successful Environmental Management or an Important Concept with No Practical Application?. Ecosystems, 2006, 9, 1-13.	3.4	829
10	Principles for knowledge co-production in sustainability research. Nature Sustainability, 2020, 3, 182-190.	23.7	697
11	Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability. Current Opinion in Environmental Sustainability, 2015, 14, 76-85.	6.3	559
12	Reconnecting to the Biosphere. Ambio, 2011, 40, 719-38.	5.5	420
13	Bright spots: seeds of a good Anthropocene. Frontiers in Ecology and the Environment, 2016, 14, 441-448.	4.0	414
14	Untangling the Environmentalist's Paradox: Why Is Human Well-being Increasing as Ecosystem Services Degrade?. BioScience, 2010, 60, 576-589.	4.9	358
15	Can forest management based on natural disturbances maintain ecological resilience?. Canadian Journal of Forest Research, 2006, 36, 2285-2299.	1.7	338
16	Contagious Disturbance, Ecological Memory, and the Emergence of Landscape Pattern. Ecosystems, 2002, 5, 329-338.	3.4	328
17	Middle-range theories of land system change. Global Environmental Change, 2018, 53, 52-67.	7.8	323
18	Measuring and assessing resilience: broadening understanding through multiple disciplinary perspectives. Journal of Applied Ecology, 2016, 53, 677-687.	4.0	316

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19	Agricultural modifications of hydrological flows create ecological surprises. Trends in Ecology and Evolution, 2008, 23, 211-219.	8.7	308
20	Advancing sustainability through mainstreaming a socialâ€“ecological systems perspective. Current Opinion in Environmental Sustainability, 2015, 14, 144-149.	6.3	274
21	Scenarios for Ecosystem Services: An Overview. Ecology and Society, 2006, 11, .	2.3	245
22	Evaluating taboo trade-offs in ecosystems services and human well-being. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6949-6954.	7.1	243
23	Political ecology and ecological resilience:. Ecological Economics, 2000, 35, 323-336.	5.7	234
24	Unpacking ecosystem service bundles: Towards predictive mapping of synergies and trade-offs between ecosystem services. Global Environmental Change, 2017, 47, 37-50.	7.8	229
25	Participatory scenario planning in place-based social-ecological research: insights and experiences from 23 case studies. Ecology and Society, 2015, 20, .	2.3	228
26	Cascading regime shifts within and across scales. Science, 2018, 362, 1379-1383.	12.6	220
27	BENTHIC ALGAL PRODUCTION ACROSS LAKE SIZE GRADIENTS: INTERACTIONS AMONG MORPHOMETRY, NUTRIENTS, AND LIGHT. Ecology, 2008, 89, 2542-2552.	3.2	213
28	Mapping bundles of ecosystem services reveals distinct types of multifunctionality within a Swedish landscape. Ambio, 2015, 44, 89-101.	5.5	209
29	Drivers, "Slow" Variables, "Fast" Variables, Shocks, and Resilience. Ecology and Society, 2012, 17, .	2.3	164
30	Marine regime shifts: drivers and impacts on ecosystems services. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130273.	4.0	153
31	Patterns in body mass distributions: sifting among alternative hypotheses. Ecology Letters, 2006, 9, 630-643.	6.4	149
32	A Systems Model Approach to Determining Resilience Surrogates for Case Studies. Ecosystems, 2005, 8, 945-957.	3.4	145
33	Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16637-16643.	7.1	145
34	Synchronous failure: the emerging causal architecture of global crisis. Ecology and Society, 2015, 20, .	2.3	144
35	Unifying Research on Socialâ€“Ecological Resilience and Collapse. Trends in Ecology and Evolution, 2017, 32, 695-713.	8.7	142
36	Perceived Barriers to Integrating Social Science and Conservation. Conservation Biology, 2006, 20, 1817-1820.	4.7	140

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37	Scale and ecosystem services: how do observation, management, and analysis shift with scale—lessons from Québec. Ecology and Society, 2016, 21, .	2.3	135
38	Multiscale scenarios for nature futures. Nature Ecology and Evolution, 2017, 1, 1416-1419.	7.8	131
39	Developing multiscale and integrative natureâ€“people scenarios using the Nature Futures Framework. People and Nature, 2020, 2, 1172-1195.	3.7	127
40	Resilience and Vulnerability of Northern Regions to Social and Environmental Change. Ambio, 2004, 33, 344-349.	5.5	125
41	Traps and Sustainable Development in Rural Areas: A Review. World Development, 2018, 101, 311-321.	4.9	125
42	Regime Shifts in the Anthropocene: Drivers, Risks, and Resilience. PLoS ONE, 2015, 10, e0134639.	2.5	117
43	When, Where, and How Nature Matters for Ecosystem Services: Challenges for the Next Generation of Ecosystem Service Models. BioScience, 2017, 67, 820-833.	4.9	114
44	UNCERTAINTY AND THE MANAGEMENT OF MULTISTATE ECOSYSTEMS: AN APPARENTLY RATIONAL ROUTE TO COLLAPSE. Ecology, 2003, 84, 1403-1411.	3.2	113
45	The Regime Shifts Database: a framework for analyzing regime shifts in social-ecological systems. Ecology and Society, 2018, 23, .	2.3	113
46	Integrating resilience thinking and optimisation for conservation. Trends in Ecology and Evolution, 2009, 24, 549-554.	8.7	110
47	Assessing Future Ecosystem Services: a Case Study of the Northern Highlands Lake District, Wisconsin. Ecology and Society, 2003, 7, .	0.9	109
48	Welcoming different perspectives in IPBES: “Nature’s contributions to people” and “Ecosystem services”. Ecology and Society, 2018, 23, .	2.3	108
49	Economic Inequality Predicts Biodiversity Loss. PLoS ONE, 2007, 2, e444.	2.5	106
50	Biodiversity and ecosystem services require IPBES to take novel approach to scenarios. Sustainability Science, 2017, 12, 177-181.	4.9	104
51	Connecting Social Networks with Ecosystem Services for Watershed Governance: a Social-Ecological Network Perspective Highlights the Critical Role of Bridging Organizations. Ecology and Society, 2012, 17, .	2.3	101
52	Why global scenarios need ecology. Frontiers in Ecology and the Environment, 2003, 1, 322-329.	4.0	100
53	Strategic Spatial Planning and the Ecosystem Services Concept - an Historical Exploration. Ecology and Society, 2013, 18, .	2.3	100
54	Deforestation and forest regeneration following small-scale gold mining in the Amazon: the case of Suriname. Environmental Conservation, 2001, 28, 117-126.	1.3	97

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55	Water RATs (Resilience, Adaptability, and Transformability) in Lake and Wetland Social-Ecological Systems. Ecology and Society, 2006, 11, .	2.3	92
56	Scaling Ecological Dynamics: Self-Organization, Hierarchical Structure, and Ecological Resilience. , 2000, 44, 291-309.		88
57	From resilience thinking to Resilience Planning: Lessons from practice. Journal of Environmental Management, 2018, 217, 906-918.	7.8	85
58	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, .	2.3	84
59	Complex Adaptive Systems: Use and Analysis of Complex Adaptive Systems in Ecosystem Science: Overview of Special Section. Ecosystems, 1998, 1, 427-430.	3.4	81
60	A Crossâ€National Analysis of How Economic Inequality Predicts Biodiversity Loss. Conservation Biology, 2009, 23, 1304-1313.	4.7	81
61	Impact of environment on peopleâ€™s everyday experiences in Stockholm. Landscape and Urban Planning, 2018, 171, 7-17.	7.5	80
62	Making Investments in Dryland Development Work: Participatory Scenario Planning in the Makanya Catchment, Tanzania. Ecology and Society, 2008, 13, .	2.3	75
63	Social-ecological drivers of multiple ecosystem services: what variables explain patterns of ecosystem services across the Norrström drainage basin?. Ecology and Society, 2016, 21, .	2.3	68
64	Integrating supply and demand in ecosystem service bundles characterization across Mediterranean transformed landscapes. Landscape Ecology, 2019, 34, 1619-1633.	4.2	66
65	A novel telecoupling framework to assess social relations across spatial scales for ecosystem services research. Journal of Environmental Management, 2019, 241, 251-263.	7.8	63
66	How spatial scale shapes the generation and management of multiple ecosystem services. Ecosphere, 2017, 8, e01741.	2.2	60
67	Resilience assessment: a useful approach to navigate urban sustainability challenges. Ecology and Society, 2015, 20, .	2.3	59
68	Local lens for SDG implementation: lessons from bottom-up approaches in Africa. Sustainability Science, 2020, 15, 729-743.	4.9	53
69	Looking to the Future of Ecosystem Services. Ecosystems, 2005, 8, 125-132.	3.4	51
70	Estimating Resilience Across Landscapes. Ecology and Society, 2002, 6, .	0.9	50
71	Seeds of good anthropocenes: developing sustainability scenarios for Northern Europe. Sustainability Science, 2020, 15, 605-617.	4.9	48
72	WTO must ban harmful fisheries subsidies. Science, 2021, 374, 544-544.	12.6	45

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73	Opportunities and limitations to detect climate-related regime shifts in inland Arctic ecosystems through eco-hydrological monitoring. Environmental Research Letters, 2011, 6, 014015.	5.2	41
74	Response Diversity, Ecosystem Change, and Resilience. Frontiers in Ecology and the Environment, 2003, 1, 488.	4.0	36
75	Understanding how access shapes the transformation of ecosystem services to human well-being with an example from Costa Rica. Ecosystem Services, 2017, 28, 320-327.	5.4	32
76	Uncertainty, Climate Change, and Adaptive Management. Ecology and Society, 1997, 1, .	0.9	32
77	A test of the cross-scale resilience model: Functional richness in Mediterranean-climate ecosystems. Ecological Complexity, 2008, 5, 165-182.	2.9	31
78	Advancing a toolkit of diverse futures approaches for global environmental assessments. Ecosystems and People, 2021, 17, 191-204.	3.2	29
79	Patchwork Earth: navigating pathways to just, thriving, and sustainable futures. One Earth, 2021, 4, 172-176.	6.8	29
80	Editorial: Special Feature on Scenarios for Ecosystem Services. Ecology and Society, 2006, 11, .	2.3	27
81	The Risks and Benefits of Genetically Modified Crops: A Multidisciplinary Perspective. Ecology and Society, 2000, 4, .	0.9	27
82	Using local initiatives to envision sustainable and resilient food systems in the Stockholm city-region. Global Food Security, 2020, 24, 100334.	8.1	26
83	Alternative futures for global biological invasions. Sustainability Science, 2021, 16, 1637-1650.	4.9	25
84	Navigating the chaos of an unfolding global cycle. Ecology and Society, 2020, 25, .	2.3	21
85	Land-use intensity mediates ecosystem service tradeoffs across regional social-ecological systems. Ecosystems and People, 2021, 17, 264-278.	3.2	21
86	Seeds of the Future in the Present. , 2018, , 327-350.		19
87	Advancing research on ecosystem service bundles for comparative assessments and synthesis. Ecosystems and People, 2022, 18, 99-111.	3.2	18
88	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. BioScience, 2020, 70, 1139-1144.	4.9	14
89	Engaging with complexity in resilience practice. Ecology and Society, 2021, 26, .	2.3	14
90	Upscaling the resilience assessment through comparative analysis. Global Environmental Change, 2022, 72, 102419.	7.8	14

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91	Strategy games to improve environmental policymaking. Nature Sustainability, 2022, 5, 464-471.	23.7	14
92	Principle 5 â€“ Encourage learning. , 2015, , 174-200.		13
93	ECOLOGICAL MANAGEMENT: CONTROL, UNCERTAINTY, AND UNDERSTANDING. , 2005, , 371-395.		13
94	Synthesis of the Storylines. Ecology and Society, 2006, 11, .	2.3	12
95	Ecological limits of adaptation to climate change. , 2001, , 25-41.		11
96	Improving participatory resilience assessment by cross-fertilizing the Resilience Alliance and Transition Movement approaches. Ecology and Society, 2017, 22, .	2.3	11
97	Migrant remittances can reduce the potential of local forest transitionsâ€”a social-ecological regime shift analysis. Environmental Research Letters, 2019, 14, 024017.	5.2	11
98	Operationalizing the Nature Futures Framework to catalyze the development of nature-future scenarios. Sustainability Science, 2021, 16, 1773-1775.	4.9	11
99	Past management affects success of current joint forestry management institutions in Tajikistan. Environment, Development and Sustainability, 2019, 21, 2183-2224.	5.0	10
100	Exploring desirable nature futures for Nationaal Park Hollandse Duinen. Ecosystems and People, 2022, 18, 329-347.	3.2	10
101	The Paradox Persists: How to Resolve It. BioScience, 2011, 61, 11-12.	4.9	8
102	Response diversity, ecosystem change, and resilience. , 2003, 1, 488.		5
103	Comment on â€œResilience of Complex Systems: State of the Art and Directions for Future Researchâ€• Complexity, 2019, 2019, 1-4.	1.6	4
104	Regime Shifts and Spatial Resilience in a Coral Reef Seascape. , 2017, , 301-322.		2
105	Ecology, Ethics, and Advocacy. Ecology and Society, 1997, 1, .	0.9	2
106	1. Panarchies and Discontinuities. , 2008, , 3-19.		2
107	Bridging Theories for Ecosystem Stability Through Structural Sensitivity Analysis of Ecological Models in Equilibrium. Acta Biotheoretica, 2022, 70, .	1.5	2
108	Amplifying actions for food system transformation: insights from the Stockholm region. Sustainability Science, 2022, 17, 2379-2395.	4.9	2

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109	Alternative Stable States. , 2002, , 166-183.		1
110	Response to Kabisch and Colleagues. BioScience, 2018, 68, 167-168.	4.9	0
111	2. Self- organization and Discontinuities in Ecosystems. , 2008, , 20-30.		0