Alan Stephen Polasky

List of Publications by Year
in descending order

107 papers	23,156 citations	30070 54 h-index	31849 101 g-index
111 all docs	111 docs citations	111 times ranked	24043 citing authors

#	Article	IF	Citations
1	Modeling multiple ecosystem services, biodiversity conservation, commodity production, and tradeoffs at landscape scales. Frontiers in Ecology and the Environment, 2009, 7, 4-11.	4.0	1,809
2	Natural climate solutions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11645-11650.	7.1	1,709
3	Assessing nature's contributions to people. Science, 2018, 359, 270-272.	12.6	1,661
4	Ecosystem services in decision making: time to deliver. Frontiers in Ecology and the Environment, 2009, 7, 21-28.	4.0	1,490
5	Pervasive human-driven decline of life on Earth points to the need for transformative change. Science, 2019, 366, .	12.6	1,213
6	Improvements in ecosystem services from investments in natural capital. Science, 2016, 352, 1455-1459.	12.6	1,117
7	An index to assess the health and benefits of the global ocean. Nature, 2012, 488, 615-620.	27.8	736
8	Future threats to biodiversity and pathways to their prevention. Nature, 2017, 546, 73-81.	27.8	736
9	Natural capital and ecosystem services informing decisions: From promise to practice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7348-7355.	7.1	717
10	Nonâ€linearity in ecosystem services: temporal and spatial variability in coastal protection. Frontiers in Ecology and the Environment, 2009, 7, 29-37.	4.0	622
11	Integrating ecosystem-service tradeoffs into land-use decisions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7565-7570.	7.1	571
12	Projected land-use change impacts on ecosystem services in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7492-7497.	7.1	557
13	The Impact of Land-Use Change on Ecosystem Services, Biodiversity and Returns to Landowners: A Case Study in the State of Minnesota. Environmental and Resource Economics, 2011, 48, 219-242.	3.2	537
14	Social norms as solutions. Science, 2016, 354, 42-43.	12.6	476
15	Does aquaculture add resilience to the global food system?. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13257-13263.	7.1	468
16	Strengthening protected areas for biodiversity and ecosystem services in China. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1601-1606.	7.1	461
17	Decision-making under great uncertainty: environmental management in an era of global change. Trends in Ecology and Evolution, 2011, 26, 398-404.	8.7	446
18	Notes from the field: Lessons learned from using ecosystem service approaches to inform real-world decisions. Ecological Economics, 2015, 115, 11-21.	5.7	433

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19	Linking water quality and well-being for improved assessment and valuation of ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18619-18624.	7.1	371
20	Inequity in consumption of goods and services adds to racialâ€"ethnic disparities in air pollution exposure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6001-6006.	7.1	349
21	Getting the measure of ecosystem services: a socialâ€"ecological approach. Frontiers in Ecology and the Environment, 2013, 11, 268-273.	4.0	330
22	Global modeling of natureâ€™s contributions to people. Science, 2019, 366, 255-258.	12.6	279
23	Our future in the Anthropocene biosphere. Ambio, 2021, 50, 834-869.	5.5	275
24	General Resilience to Cope with Extreme Events. Sustainability, 2012, 4, 3248-3259.	3.2	268
25	CONSERVING SPECIES IN A WORKING LANDSCAPE: LAND USE WITH BIOLOGICAL AND ECONOMIC OBJECTIVES. , 2005, 15, 1387-1401.		255
26	Using gross ecosystem product (GEP) to value nature in decision making. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14593-14601.	7.1	234
27	Nudging proâ€environmental behavior: evidence and opportunities. Frontiers in Ecology and the Environment, 2018, 16, 159-168.	4.0	223
28	Modeling benefits from nature: using ecosystem services to inform coastal and marine spatial planning. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 107-121.	2.9	217
29	Recreational demand for clean water: evidence from geotagged photographs by visitors to lakes. Frontiers in Ecology and the Environment, 2015, 13, 76-81.	4.0	211
30	Valuing urban wetlands: A review of non-market valuation studies. Wetlands, 2004, 24, 744-755.	1.5	197
31	Benefits, costs, and livelihood implications of a regional payment for ecosystem service program. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16681-16686.	7.1	188
32	The value of views and open space: Estimates from a hedonic pricing model for Ramsey County, Minnesota, USA. Land Use Policy, 2009, 26, 837-845.	5.6	185
33	Policy design for the Anthropocene. Nature Sustainability, 2019, 2, 14-21.	23.7	176
34	Benefit relevant indicators: Ecosystem services measures that link ecological and social outcomes. Ecological Indicators, 2018, 85, 1262-1272.	6.3	165
35	Global agriculture and carbon trade-offs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12342-12347.	7.1	154
36	A Global System for Monitoring Ecosystem Service Change. BioScience, 2012, 62, 977-986.	4.9	142

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37	Role of economics in analyzing the environment and sustainable development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5233-5238.	7.1	128
38	Setting the bar: Standards for ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7356-7361.	7.1	124
39	Implementing the optimal provision of ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6248-6253.	7.1	119
40	The social costs of nitrogen. Science Advances, 2016, 2, e1600219.	10.3	118
41	Trade-offs in ecosystem services and varying stakeholder preferences: evaluating conflicts, obstacles, and opportunities. Ecology and Society, 2015, 20, .	2.3	114
42	The efficiency of voluntary incentive policies for preventing biodiversity loss. Resources and Energy Economics, 2011, 33, 192-211.	2.5	113
43	A more dynamic understanding of human behaviour for the Anthropocene. Nature Sustainability, 2019, 2, 1075-1082.	23.7	112
44	Global trends in natureâ€™s contributions to people. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32799-32805.	7.1	103
45	Expanding the Soy Moratorium to Brazilâ€™s Cerrado. Science Advances, 2019, 5, eaav7336.	10.3	102
46	Impacts of conservation and human development policy across stakeholders and scales. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7396-7401.	7.1	100
47	So you want your research to be relevant? Building the bridge between ecosystem services research and practice. Ecosystem Services, 2017, 26, 170-182.	5.4	93
48	Quantifying flood mitigation services: The economic value of Otter Creek wetlands and floodplains to Middlebury, VT. Ecological Economics, 2016, 130, 16-24.	5.7	89
49	Why conservation planning needs socioeconomic data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6505-6506.	7.1	81
50	Inclusive Wealth as a Metric of Sustainable Development. Annual Review of Environment and Resources, 2015, 40, 445-466.	13.4	80
51	Air-quality-related health damages of maize. Nature Sustainability, 2019, 2, 397-403.	23.7	73
52	Maximising return on conservation investment in the conterminous USA. Ecology Letters, 2012, 15, 1249-1256.	6.4	71
53	An attainable global vision for conservation and human wellâ€being. Frontiers in Ecology and the Environment, 2018, 16, 563-570.	4.0	71
54	Air qualityâ€“related health damages of food. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	70

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55	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. Environmental Science and Technology Letters, 2020, 7, 639-645.	8.7	64
56	Climate engineering reconsidered. Nature Climate Change, 2014, 4, 527-529.	18.8	63
57	Protecting local water quality has global benefits. Nature Communications, 2021, 12, 2709.	12.8	61
58	A tale of three villages: choosing an effective method for assessing poaching levels in western Serengeti, Tanzania. Oryx, 2010, 44, 178-184.	1.0	56
59	Biodiversity conservation as a promising frontier for behavioural science. Nature Human Behaviour, 2021, 5, 550-556.	12.0	54
60	Range contraction enables harvesting to extinction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3945-3950.	7.1	53
61	The value of information in reserve site selection. Biodiversity and Conservation, 2001, 10, 1051-1058.	2.6	52
62	WEIGHING CONSERVATION OBJECTIVES: MAXIMUM EXPECTED COVERAGE VERSUS ENDANGERED SPECIES PROTECTION. , 2004, 14, 1936-1945.		51
63	Optimal control of an invasive species with imperfect information about the level of infestation. Resources and Energy Economics, 2010, 32, 519-533.	2.5	50
64	Bigger is better: Improved nature conservation and economic returns from landscape-level mitigation. Science Advances, 2016, 2, e1501021.	10.3	49
65	Renewable resource management with environmental prediction. Canadian Journal of Economics, 2001, 34, 196-211.	1.2	47
66	Advertising with Subjective Horizontal and Vertical Product Differentiation. Review of Industrial Organization, 2002, 20, 253-265.	0.7	46
67	Reducing human nitrogen use for food production. Scientific Reports, 2016, 6, 30104.	3.3	46
68	WTO must ban harmful fisheries subsidies. Science, 2021, 374, 544-544.	12.6	45
69	Making more effective use of human behavioural science in conservation interventions. Biological Conservation, 2021, 261, 109256.	4.1	40
70	Conservation needs to integrate knowledge across scales. Nature Ecology and Evolution, 2022, 6, 118-119.	7.8	40
71	Title is missing!. Environmental Modeling and Assessment, 2002, 7, 81-89.	2.2	38
72	Land-use change and costs to rural households: a case study in groundwater nitrate contamination. Environmental Research Letters, 2014, 9, 074002.	5.2	38

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73	Grassland biodiversity can pay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3876-3881.	7.1	38
74	Social dimensions of fertility behavior and consumption patterns in the Anthropocene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6300-6307.	7.1	33
75	Evidence on the Amenity Value of Wetlands in a Rural Setting. Journal of Agricultural & Applied Economics, 2005, 37, 589-602.	1.4	31
76	Cooperation in the commons. Economic Theory, 2006, 29, 71-88.	0.9	29
77	The optimal management of renewable resources under the risk of potential regime shift. Journal of Economic Dynamics and Control, 2014, 40, 195-212.	1.6	28
78	Conservation and Human Welfare: Economic Analysis of Ecosystem Services. Environmental and Resource Economics, 2011, 48, 151-159.	3.2	27
79	Towards ecosystem accounts for Rwanda: Tracking 25 years of change in flows and potential supply of ecosystem services. People and Nature, 2020, 2, 163-188.	3.7	25
80	Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts. Ambio, 2022, 51, 1907-1920.	5.5	23
81	Ecosystem service information to benefit sustainability standards for commodity supply chains. Annals of the New York Academy of Sciences, 2015, 1355, 77-97.	3.8	21
82	An auction mechanism for the optimal provision of ecosystem services under climate change. Journal of Environmental Economics and Management, 2018, 92, 20-34.	4.7	20
83	You can't always get what you want: Conservation planning with feedback effects. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5245-5246.	7.1	19
84	Partnerships to prevent deforestation in the Amazon. Journal of Environmental Economics and Management, 2018, 92, 498-516.	4.7	19
85	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.	3.4	18
86	Solve the biodiversity crisis with funding. Science, 2019, 365, 1256-1256.	12.6	16
87	Rural Household Livelihood and Tree Plantation Dependence in the Central Mountainous Region of Hainan Island, China: Implications for Poverty Alleviation. Forests, 2020, 11, 248.	2.1	16
88	Spatially-Correlated Risk in Nature Reserve Site Selection. PLoS ONE, 2016, 11, e0146023.	2.5	15
89	The Effects of Well Management and the Nature of the Aquifer on Groundwater Resources. American Journal of Agricultural Economics, 2013, 95, 94-116.	4.3	14
90	U.S. Urban Water Prices: Cheaper When Drier. Water Resources Research, 2018, 54, 6126-6132.	4.2	14

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91	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. BioScience, 2020, 70, 1139-1144.	4.9	14
92	An Introduction to the Economics of Natural Capital. Review of Environmental Economics and Policy, 2021, 15, 87-94.	7.0	14
93	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
94	Conservation economics: economic analysis of biodiversity conservation and ecosystem services. Environmental Economics and Policy Studies, 2009, 10, 1-20.	2.0	13
95	Unintended habitat loss on private land from grazing restrictions on public rangelands. Journal of Applied Ecology, 2019, 56, 52-62.	4.0	12
96	Responseâ€"Ecosystem Services: Free Lunch No More. Science, 2012, 335, 656-657.	12.6	11
97	Discounting and Global Environmental Change. Annual Review of Environment and Resources, 2021, 46, 691-717.	13.4	9
98	Commercial Plant Production and Consumption Still Follow the Latitudinal Gradient in Species Diversity despite Economic Globalization. PLoS ONE, 2016, 11, e0163002.	2.5	6
99	Reconciling corruption with conservation triage: Should investments shift from the last best places?. PLoS Biology, 2018, 16, e2005620.	5.6	5
100	Five financial incentives to revive the Gulf of Mexico dead zone and Mississippi basin soils. Journal of Environmental Management, 2019, 233, 30-38.	7.8	5
101	Reply to Bridgewater and Babin: Need for a new protected area category for ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4319-E4320.	7.1	4
102	Reply to Phelps et al: Liability rules provide incentives to protect natural capital. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5380-E5380.	7.1	2
103	The Great Intergenerational Robbery: A Call for Concerted Action Against Environmental Crises. Annual Review of Environment and Resources, 2022, 47, 1-4.	13.4	2
104	Reply to Yang et al.: Coastal wetlands are not well represented by protected areas for endangered birds. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5493-E5493.	7.1	1
105	Comments on â€˜Key issues for attention from ecological economistsâ€™ by Paul Ehrlich. Environment and Development Economics, 2008, 13, 25-28.	1.5	0
106	Reply to Comment by Swtizer and Teodoro on â€œU.S. Urban Water Prices: Cheaper When Drierâ€• Water Resources Research, 2019, 55, 7436-7438.	4.2	0
107	Scaling Pathways for Inclusive Green Growth. , 2019, , 17-27.		0