# Alan Stephen Polasky

List of Publications by Year
in descending order



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|---|---|---|---|
| 107<br>papers | 23,156<br>citations | 29994<br>54<br>h-index | 31759<br>101<br>g-index |
| 111<br>all docs | 111<br>docs citations | 111<br>times ranked | 24043<br>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 | Conservation needs to integrate knowledge across scales. Nature Ecology and Evolution, 2022, 6, 118-119. | 3.4 | 40 |
| 3 | The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010. | | 14 |
| 4 | Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts. Ambio, 2022, 51, 1907-1920. | 2.8 | 23 |
| 5 | The Great Intergenerational Robbery: A Call for Concerted Action Against Environmental Crises. Annual Review of Environment and Resources, 2022, 47, 1-4. | 5.6 | 2 |
| 6 | An Introduction to the Economics of Natural Capital. Review of Environmental Economics and Policy, 2021, 15, 87-94. | 3.1 | 14 |
| 7 | Our future in the Anthropocene biosphere. Ambio, 2021, 50, 834-869. | 2.8 | 275 |
| 8 | Biodiversity conservation as a promising frontier for behavioural science. Nature Human Behaviour, 2021, 5, 550-556. | 6.2 | 54 |
| 9 | Discounting and Global Environmental Change. Annual Review of Environment and Resources, 2021, 46, 691-717. | 5.6 | 9 |
| 10 | Protecting local water quality has global benefits. Nature Communications, 2021, 12, 2709. | 5.8 | 61 |
| 11 | Air qualityâ€“related health damages of food. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 70 |
| 12 | Making more effective use of human behavioural science in conservation interventions. Biological Conservation, 2021, 261, 109256. | 1.9 | 40 |
| 13 | WTO must ban harmful fisheries subsidies. Science, 2021, 374, 544-544. | 6.0 | 45 |
| 14 | 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. | 1.7 | 25 |
| 15 | Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. Environmental Science and Technology Letters, 2020, 7, 639-645. | 3.9 | 64 |
| 16 | Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. BioScience, 2020, 70, 1139-1144. | 2.2 | 14 |
| 17 | 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. | 3.3 | 103 |
| 18 | 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. | 3.3 | 234 |

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|---|---|---|---|
| 19 | 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. | 3.3 | 33 |
| 20 | Rural Household Livelihood and Tree Plantation Dependence in the Central Mountainous Region of Hainan Island, China: Implications for Poverty Alleviation. Forests, 2020, 11, 248. | 0.9 | 16 |
| 21 | Expanding the Soy Moratorium to Brazilâ€™s Cerrado. Science Advances, 2019, 5, eaav7336. | 4.7 | 102 |
| 22 | Global modeling of natureâ€™s contributions to people. Science, 2019, 366, 255-258. | 6.0 | 279 |
| 23 | Solve the biodiversity crisis with funding. Science, 2019, 365, 1256-1256. | 6.0 | 16 |
| 24 | Unintended habitat loss on private land from grazing restrictions on public rangelands. Journal of Applied Ecology, 2019, 56, 52-62. | 1.9 | 12 |
| 25 | 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. | 3.3 | 128 |
| 26 | 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. | 3.3 | 349 |
| 27 | Air-quality-related health damages of maize. Nature Sustainability, 2019, 2, 397-403. | 11.5 | 73 |
| 28 | Reply to Comment by Swtizer and Teodoro on â€œU.S. Urban Water Prices: Cheaper When Drierâ€: Water Resources Research, 2019, 55, 7436-7438. | 1.7 | 0 |
| 29 | A more dynamic understanding of human behaviour for the Anthropocene. Nature Sustainability, 2019, 2, 1075-1082. | 11.5 | 112 |
| 30 | Pervasive human-driven decline of life on Earth points to the need for transformative change. Science, 2019, 366, . | 6.0 | 1,213 |
| 31 | Five financial incentives to revive the Gulf of Mexico dead zone and Mississippi basin soils. Journal of Environmental Management, 2019, 233, 30-38. | 3.8 | 5 |
| 32 | Policy design for the Anthropocene. Nature Sustainability, 2019, 2, 14-21. | 11.5 | 176 |
| 33 | Scaling Pathways for Inclusive Green Growth. , 2019, , 17-27. | | 0 |
| 34 | Nudging proâ€environmental behavior: evidence and opportunities. Frontiers in Ecology and the Environment, 2018, 16, 159-168. | 1.9 | 223 |
| 35 | Assessing nature's contributions to people. Science, 2018, 359, 270-272. | 6.0 | 1,661 |
| 36 | Grassland biodiversity can pay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3876-3881. | 3.3 | 38 |

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| 37 | Benefit relevant indicators: Ecosystem services measures that link ecological and social outcomes. Ecological Indicators, 2018, 85, 1262-1272. | 2.6 | 165 |
| 38 | Partnerships to prevent deforestation in the Amazon. Journal of Environmental Economics and Management, 2018, 92, 498-516. | 2.1 | 19 |
| 39 | An auction mechanism for the optimal provision of ecosystem services under climate change. Journal of Environmental Economics and Management, 2018, 92, 20-34. | 2.1 | 20 |
| 40 | An attainable global vision for conservation and human wellâ€being. Frontiers in Ecology and the Environment, 2018, 16, 563-570. | 1.9 | 71 |
| 41 | Reconciling corruption with conservation triage: Should investments shift from the last best places?. PLoS Biology, 2018, 16, e2005620. | 2.6 | 5 |
| 42 | U.S. Urban Water Prices: Cheaper When Drier. Water Resources Research, 2018, 54, 6126-6132. | 1.7 | 14 |
| 43 | 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. | 3.3 | 461 |
| 44 | 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. | 3.3 | 1 |
| 45 | 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. | 3.3 | 4 |
| 46 | Future threats to biodiversity and pathways to their prevention. Nature, 2017, 546, 73-81. | 13.7 | 736 |
| 47 | Range contraction enables harvesting to extinction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3945-3950. | 3.3 | 53 |
| 48 | Natural climate solutions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11645-11650. | 3.3 | 1,709 |
| 49 | So you want your research to be relevant? Building the bridge between ecosystem services research and practice. Ecosystem Services, 2017, 26, 170-182. | 2.3 | 93 |
| 50 | Spatially-Correlated Risk in Nature Reserve Site Selection. PLoS ONE, 2016, 11, e0146023. | 1.1 | 15 |
| 51 | Reducing human nitrogen use for food production. Scientific Reports, 2016, 6, 30104. | 1.6 | 46 |
| 52 | Social norms as solutions. Science, 2016, 354, 42-43. | 6.0 | 476 |
| 53 | Quantifying flood mitigation services: The economic value of Otter Creek wetlands and floodplains to Middlebury, VT. Ecological Economics, 2016, 130, 16-24. | 2.9 | 89 |
| 54 | The social costs of nitrogen. Science Advances, 2016, 2, e1600219. | 4.7 | 118 |

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| 55 | Bigger is better: Improved nature conservation and economic returns from landscape-level mitigation. Science Advances, 2016, 2, e1501021. | 4.7 | 49 |
| 56 | Improvements in ecosystem services from investments in natural capital. Science, 2016, 352, 1455-1459. | 6.0 | 1,117 |
| 57 | Commercial Plant Production and Consumption Still Follow the Latitudinal Gradient in Species Diversity despite Economic Globalization. PLoS ONE, 2016, 11, e0163002. | 1.1 | 6 |
| 58 | Ecosystem service information to benefit sustainability standards for commodity supply chains. Annals of the New York Academy of Sciences, 2015, 1355, 77-97. | 1.8 | 21 |
| 59 | Trade-offs in ecosystem services and varying stakeholder preferences: evaluating conflicts, obstacles, and opportunities. Ecology and Society, 2015, 20, . | 1.0 | 114 |
| 60 | Inclusive Wealth as a Metric of Sustainable Development. Annual Review of Environment and Resources, 2015, 40, 445-466. | 5.6 | 80 |
| 61 | Recreational demand for clean water: evidence from geotagged photographs by visitors to lakes. Frontiers in Ecology and the Environment, 2015, 13, 76-81. | 1.9 | 211 |
| 62 | 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. | 3.3 | 100 |
| 63 | Setting the bar: Standards for ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7356-7361. | 3.3 | 124 |
| 64 | 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. | 3.3 | 717 |
| 65 | 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. | 3.3 | 2 |
| 66 | Notes from the field: Lessons learned from using ecosystem service approaches to inform real-world decisions. Ecological Economics, 2015, 115, 11-21. | 2.9 | 433 |
| 67 | 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. | 3.3 | 557 |
| 68 | Land-use change and costs to rural households: a case study in groundwater nitrate contamination. Environmental Research Letters, 2014, 9, 074002. | 2.2 | 38 |
| 69 | 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. | 3.3 | 468 |
| 70 | Global agriculture and carbon trade-offs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12342-12347. | 3.3 | 154 |
| 71 | Implementing the optimal provision of ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6248-6253. | 3.3 | 119 |
| 72 | Climate engineering reconsidered. Nature Climate Change, 2014, 4, 527-529. | 8.1 | 63 |

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| 73 | The optimal management of renewable resources under the risk of potential regime shift. Journal of Economic Dynamics and Control, 2014, 40, 195-212. | 0.9 | 28 |
| 74 | Getting the measure of ecosystem services: a socialâ€“ecological approach. Frontiers in Ecology and the Environment, 2013, 11, 268-273. | 1.9 | 330 |
| 75 | 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. | 3.3 | 188 |
| 76 | The Effects of Well Management and the Nature of the Aquifer on Groundwater Resources. American Journal of Agricultural Economics, 2013, 95, 94-116. | 2.4 | 14 |
| 77 | 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 |
| 78 | 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. | 3.3 | 571 |
| 79 | Responseâ€”Ecosystem Services: Free Lunch No More. Science, 2012, 335, 656-657. | 6.0 | 11 |
| 80 | Maximising return on conservation investment in the conterminous USA. Ecology Letters, 2012, 15, 1249-1256. | 3.0 | 71 |
| 81 | An index to assess the health and benefits of the global ocean. Nature, 2012, 488, 615-620. | 13.7 | 736 |
| 82 | A Global System for Monitoring Ecosystem Service Change. BioScience, 2012, 62, 977-986. | 2.2 | 142 |
| 83 | 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. | 3.3 | 371 |
| 84 | General Resilience to Cope with Extreme Events. Sustainability, 2012, 4, 3248-3259. | 1.6 | 268 |
| 85 | The efficiency of voluntary incentive policies for preventing biodiversity loss. Resources and Energy Economics, 2011, 33, 192-211. | 1.1 | 113 |
| 86 | Decision-making under great uncertainty: environmental management in an era of global change. Trends in Ecology and Evolution, 2011, 26, 398-404. | 4.2 | 446 |
| 87 | 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. | 1.5 | 537 |
| 88 | Conservation and Human Welfare: Economic Analysis of Ecosystem Services. Environmental and Resource Economics, 2011, 48, 151-159. | 1.5 | 27 |
| 89 | A tale of three villages: choosing an effective method for assessing poaching levels in western Serengeti, Tanzania. Oryx, 2010, 44, 178-184. | 0.5 | 56 |
| 90 | Optimal control of an invasive species with imperfect information about the level of infestation. Resources and Energy Economics, 2010, 32, 519-533. | 1.1 | 50 |

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| 91 | Conservation economics: economic analysis of biodiversity conservation and ecosystem services. Environmental Economics and Policy Studies, 2009, 10, 1-20. | 0.8 | 13 |
| 92 | Modeling multiple ecosystem services, biodiversity conservation, commodity production, and tradeoffs at landscape scales. Frontiers in Ecology and the Environment, 2009, 7, 4-11. | 1.9 | 1,809 |
| 93 | 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. | 2.5 | 185 |
| 94 | Ecosystem services in decision making: time to deliver. Frontiers in Ecology and the Environment, 2009, 7, 21-28. | 1.9 | 1,490 |
| 95 | Nonâ€linearity in ecosystem services: temporal and spatial variability in coastal protection. Frontiers in Ecology and the Environment, 2009, 7, 29-37. | 1.9 | 622 |
| 96 | Why conservation planning needs socioeconomic data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6505-6506. | 3.3 | 81 |
| 97 | Comments on â€˜Key issues for attention from ecological economistsâ€™ by Paul Ehrlich. Environment and Development Economics, 2008, 13, 25-28. | 1.3 | 0 |
| 98 | Cooperation in the commons. Economic Theory, 2006, 29, 71-88. | 0.5 | 29 |
| 99 | 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. | 3.3 | 19 |
| 100 | Evidence on the Amenity Value of Wetlands in a Rural Setting. Journal of Agricultural & Applied Economics, 2005, 37, 589-602. | 0.8 | 31 |
| 101 | CONSERVING SPECIES IN A WORKING LANDSCAPE: LAND USE WITH BIOLOGICAL AND ECONOMIC OBJECTIVES. , 2005, 15, 1387-1401. | | 255 |
| 102 | Valuing urban wetlands: A review of non-market valuation studies. Wetlands, 2004, 24, 744-755. | 0.7 | 197 |
| 103 | WEIGHING CONSERVATION OBJECTIVES: MAXIMUM EXPECTED COVERAGE VERSUS ENDANGERED SPECIES PROTECTION. , 2004, 14, 1936-1945. | | 51 |
| 104 | Advertising with Subjective Horizontal and Vertical Product Differentiation. Review of Industrial Organization, 2002, 20, 253-265. | 0.4 | 46 |
| 105 | Title is missing!. Environmental Modeling and Assessment, 2002, 7, 81-89. | 1.2 | 38 |
| 106 | The value of information in reserve site selection. Biodiversity and Conservation, 2001, 10, 1051-1058. | 1.2 | 52 |
| 107 | Renewable resource management with environmental prediction. Canadian Journal of Economics, 2001, 34, 196-211. | 0.6 | 47 |