Eli P Fenichel

List of Publications by Year
in descending order

77 papers	3,085 citations	172457 29 h-index	182427 51 g-index
83 all docs	83 docs citations	83 times ranked	4060 citing authors

#	Article	IF	Citations
1	Adaptive human behavior in epidemiological models. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6306-6311.	7.1	351
2	Impact of school closures for COVID-19 on the US health-care workforce and net mortality: a modelling study. Lancet Public Health, The, 2020, 5, e271-e278.	10.0	291
3	Governing the recreational dimension of global fisheries. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5209-5213.	7.1	171
4	Managing ecological thresholds in coupled environmentalâ€“human systems. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7333-7338.	7.1	141
5	Economic considerations for social distancing and behavioral based policies during an epidemic. Journal of Health Economics, 2013, 32, 440-451.	2.7	129
6	Skip the Trip: Air Travelers' Behavioral Responses to Pandemic Influenza. PLoS ONE, 2013, 8, e58249.	2.5	102
7	Measuring voluntary and policy-induced social distancing behavior during the COVID-19 pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	95
8	Modelling angler behaviour as a part of the management system: synthesizing a multiâ€disciplinary literature. Fish and Fisheries, 2013, 14, 137-157.	5.3	88
9	Merging Economics and Epidemiology to Improve the Prediction and Management of Infectious Disease. EcoHealth, 2014, 11, 464-475.	2.0	87
10	Measuring the value of groundwater and other forms of natural capital. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2382-2387.	7.1	87
11	Soil carbon science for policy and practice. Nature Sustainability, 2019, 2, 1070-1072.	23.7	80
12	Natural Capital: From Metaphor to Measurement. Journal of the Association of Environmental and Resource Economists, 2014, 1, 1-27.	1.5	79
13	Synchronized peak-rate years of global resources use. Ecology and Society, 2014, 19, .	2.3	72
14	Measured voluntary avoidance behaviour during the 2009 A/H1N1 epidemic. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150814.	2.6	58
15	Risk compensation and face mask mandates during the COVID-19 pandemic. Scientific Reports, 2021, 11, 3174.	3.3	53
16	Wealth reallocation and sustainability under climate change. Nature Climate Change, 2016, 6, 237-244.	18.8	52
17	The Control of Invasive Species on Private Property with Neighbor-to-Neighbor Spillovers. Environmental and Resource Economics, 2014, 59, 231-255.	3.2	49
18	Identifying Alternate Pathways for Climate Change to Impact Inland Recreational Fishers. Fisheries, 2016, 41, 362-372.	0.8	47

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19	Living With Locusts: Connecting Soil Nitrogen, Locust Outbreaks, Livelihoods, and Livestock Markets. BioScience, 2015, 65, 551-558.	4.9	45
20	Preparing for a changing future in recreational fisheries: 100 research questions for global consideration emerging from a horizon scan. Reviews in Fish Biology and Fisheries, 2020, 30, 137-151.	4.9	45
21	Accounting for behavioral responses during a flu epidemic using home television viewing. BMC Infectious Diseases, 2015, 15, 21.	2.9	43
22	Indirect management of invasive species through bio-controls: A bioeconomic model of salmon and alewife in Lake Michigan. Resources and Energy Economics, 2010, 32, 500-518.	2.5	42
23	Tinbergen and tipping points: Could some thresholds be policy-induced?. Journal of Economic Behavior and Organization, 2016, 132, 137-152.	2.0	40
24	Assessing ecological infrastructure investments. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5254-5261.	7.1	40
25	Ecosystem-based management and the wealth of ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6539-6544.	7.1	37
26	Modifying national accounts for sustainable ocean development. Nature Sustainability, 2020, 3, 889-895.	23.7	37
27	Anticipating adaptation: a mechanistic approach for linking policy and stock status to recreational angler behavior. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1190-1208.	1.4	36
28	Fish and fisheries in hot water: What is happening and how do we adapt?. Population Ecology, 2021, 63, 17-26.	1.2	35
29	JOINTLYâ€ÐETERMINED ECOLOGICAL THRESHOLDS AND ECONOMIC TRADEâ€ŒOFFS IN WILDLIFE DISEASE MANAGEMENT. Natural Resource Modelling, 2007, 20, 511-547.	2.0	33
30	SIR DYNAMICS WITH ECONOMICALLY DRIVEN CONTACT RATES. Natural Resource Modelling, 2013, 26, 505-525.	2.0	29
31	Economics and Ecology of Managing Emerging Infectious Animal Diseases. American Journal of Agricultural Economics, 2007, 89, 1232-1238.	4.3	28
32	Management of infectious wildlife diseases: bridging conventional and bioeconomic approaches. Ecological Applications, 2010, 20, 903-914.	3.8	28
33	Heterogeneity and the fragility of the first best: Putting the â€œmicroâ€•in bioeconomic models of recreational resources. Resources and Energy Economics, 2014, 36, 351-369.	2.5	27
34	Testing the feasibility of a hypothetical whalingâ€conservation permit market in Norway. Conservation Biology, 2017, 31, 809-817.	4.7	27
35	Implementation of a marine reserve has a rapid but shortâ€lived effect on recreational angler use. Ecological Applications, 2012, 22, 597-605.	3.8	26
36	The Allocation of Time and Risk of Lyme: A Case of Ecosystem Service Income and Substitution Effects. Environmental and Resource Economics, 2018, 70, 631-650.	3.2	26

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37	Genderâ€Based Harvesting in Wildlife Disease Management. American Journal of Agricultural Economics, 2007, 89, 904-920.	4.3	25
38	Joint Management of Wildlife and Livestock Disease. Environmental and Resource Economics, 2008, 41, 47-70.	3.2	25
39	Real options for precautionary fisheries management. Fish and Fisheries, 2008, 9, 121-137.	5.3	24
40	Managing Infectious Animal Disease Systems. Annual Review of Resource Economics, 2010, 2, 101-124.	3.7	22
41	Path-dependent institutions drive alternative stable states in conservation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 689-694.	7.1	21
42	Sustainability and Substitutability. Bulletin of Mathematical Biology, 2015, 77, 348-367.	1.9	20
43	Choices and the value of natural capital. Oxford Review of Economic Policy, 2019, 35, 120-137.	1.9	17
44	Teakâ€“cattle production tradeoffs for Panama Canal Watershed small scale producers. Forest Policy and Economics, 2015, 56, 48-56.	3.4	15
45	Spatial Management of Wildlife Disease*. Applied Economic Perspectives and Policy, 2005, 27, 483-490.	1.0	14
46	Modeling fish health to inform research and management:Renibacterium salmoninarumdynamics in Lake Michigan. Ecological Applications, 2009, 19, 747-760.	3.8	14
47	Managing dynamic epidemiological risks through trade. Journal of Economic Dynamics and Control, 2015, 53, 192-207.	1.6	14
48	Fish Pathogen Screening and Its Influence on the Likelihood of Accidental Pathogen Introduction during Fish Translocations. Journal of Aquatic Animal Health, 2008, 20, 19-28.	1.4	13
49	The opportunity cost of information: an economic framework for understanding the balance between assessment and control in sea lamprey (Petromyzon marinus) management. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 209-216.	1.4	13
50	Boundary spanning among research and policy communities to address the emerging industrial revolution in the ocean. Environmental Science and Policy, 2020, 104, 73-81.	4.9	13
51	The Mechanism and Phenomena of Adaptive Human Behavior During an Epidemic and the Role of Information. , 2013, , 153-168.		12
52	Spatial aggregation and the value of natural capital. Journal of Environmental Economics and Management, 2019, 95, 118-132.	4.7	11
53	Species dispersal and biodiversity in human-dominated metacommunities. Journal of Theoretical Biology, 2018, 457, 199-210.	1.7	10
54	Incentive Systems for Forest-Based Ecosystem Services with Missing Financial Service Markets. Journal of the Association of Environmental and Resource Economists, 2019, 6, 319-347.	1.5	9

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55	The economics of conservation debt: a natural capital approach to revealed valuation of ecological dynamics. Ecological Applications, 2020, 30, e02132.	3.8	9
56	Why Should Data Be Free; Don't You Get What You Pay For?. BioScience, 2015, 65, 541-542.	4.9	7
57	Bioeconomic analysis supports the endangered species act. Journal of Mathematical Biology, 2015, 71, 817-846.	1.9	7
58	Synthesizing ecological and human use information to understand and manage coastal change. Ocean and Coastal Management, 2018, 162, 100-109.	4.4	7
59	Bioeconomic management of invasive vector-borne diseases. Biological Invasions, 2010, 12, 2877-2893.	2.4	6
60	The influence of human population change and aquatic invasive species establishment on future recreational fishing activities to the Canadian portion of the Laurentian Great Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 232-244.	1.4	6
61	Capital Investment for Optimal Exploitation of Renewable Resource Stocks in the Age of Global Change. Ecological Economics, 2019, 165, 106335.	5.7	5
62	Bioeconomics: nature as capital. , 2015, , .		5
63	The Potential Impact of Labor Choices on the Efficacy of Marine Conservation Strategies. PLoS ONE, 2011, 6, e23722.	2.5	4
64	Per trip changes to the economic value of Ontario, Canada anglers fishing the Laurentian Great Lakes under target species transitions. Human Dimensions of Wildlife, 2021, 26, 132-147.	1.8	4
65	Capturing Household Transmission inÂCompartmental Models of Infectious Disease. , 2016, , 329-340.		4
66	Challenges of integrating economics into epidemiological analysis of and policy responses to emerging infectious diseases. Epidemics, 2022, 39, 100585.	3.0	4
67	A Portfolio-Balancing Approach to Natural Capital and Liabilities: Managing Livestock and Wildlife Diseases with Cross-Species Transmission. Environmental and Resource Economics, 2018, 70, 673-689.	3.2	3
68	Dynamic Perspectives on the Control of Animal Disease: Merging Epidemiology and Economics. , 2012, , 101-118.		2
69	Linking Time-Use Data to Explore Health Outcomes: Choosing to Vaccinate Against Influenza. EcoHealth, 2018, 15, 290-301.	2.0	2
70	Complementarity (Not Substitution) between Natural and Produced Capital: Evidence from the Panama Canal Expansion. Journal of the Association of Environmental and Resource Economists, 2021, 8, 1115-1146.	1.5	2
71	Chapter 4 Globalization and Invasive Alien Species: Trade, Pests, and Pathogens. , 2009, , 42-55.		2
72	The ecological insurance trap. Journal of Environmental Economics and Management, 2019, 98, 102251.	4.7	1

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73	For want of a chair: Teaching price formation using a cap and trade game. Journal of Economic Education, 2020, 51, 52-66.	1.3	1
74	Valuing natural capital when management is dominated by periods of inaction. American Journal of Agricultural Economics, 2022, 104, 791-811.	4.3	1
75	Synchronized Peak Rate Years of Global Resources Use Imply Critical Trade-Offs in Appropriation of Natural Resources and Ecosystem Services. , 2019, , 301-307.		1
76	Effects of a grazing permit market on pastoralist behavior and overgrazing in Kenya. Environmental Research Letters, 2022, 17, 035002.	5.2	1
77	Border Inspection and Trade Diversion: Risk Reduction vs. Risk Substitution. , 2012, , 119-134.		0