

Amos Zemel

List of Publications by Year in descending order

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82
papers

1,753
citations

279798

23
h-index

330143

37
g-index

82
all docs

82
docs citations

82
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Accounting for global warming risks: Resource management under event uncertainty. <i>Journal of Economic Dynamics and Control</i> , 1996, 20, 1289-1305.	1.6	127
2	Announcing climate policy: Can a green paradox arise without scarcity?. <i>Journal of Environmental Economics and Management</i> , 2012, 64, 364-376.	4.7	123
3	Uncertainty and Irreversibility in Groundwater Resource Management. <i>Journal of Environmental Economics and Management</i> , 1995, 29, 149-161.	4.7	111
4	Pollution control in an uncertain environment. <i>Journal of Economic Dynamics and Control</i> , 1998, 22, 967-975.	1.6	84
5	Regime shifts and uncertainty in pollution control. <i>Journal of Economic Dynamics and Control</i> , 2012, 36, 939-950.	1.6	81
6	Optimal transition to backstop substitutes for nonrenewable resources. <i>Journal of Economic Dynamics and Control</i> , 2003, 27, 551-572.	1.6	61
7	Scarcity, growth and R&D. <i>Journal of Environmental Economics and Management</i> , 2005, 49, 484-499.	4.7	58
8	Endangered aquifers: Groundwater management under threats of catastrophic events. <i>Water Resources Research</i> , 2004, 40, .	4.2	47
9	Magnetic moments at backbending and spectroscopy of ^{134}Ce . <i>Nuclear Physics A</i> , 1982, 383, 165-188.	1.5	44
10	Infiltration and Water Extraction from Trickle Irrigation Source: The Effective Hemisphere Model. <i>Soil Science Society of America Journal</i> , 1986, 50, 882-887.	2.2	42
11	Band crossing in the interacting boson model. <i>Physical Review C</i> , 1980, 22, 937-940.	2.9	40
12	Adaptation, mitigation and risk: An analytic approach. <i>Journal of Economic Dynamics and Control</i> , 2015, 51, 133-147.	1.6	40
13	Regulating environmental threats. <i>Environmental and Resource Economics</i> , 2008, 39, 297-310.	3.2	39
14	Lifetime measurements of excited levels in prompt fission products of ^{252}Cf . <i>Nuclear Physics A</i> , 1986, 454, 213-225.	1.5	37
15	The g-factor of the 8^+ yrast level in ^{84}Sr via a tilted multi-foil experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 105, 119-124.	4.1	36
16	Optimal dynamic irrigation schemes. <i>Optimal Control Applications and Methods</i> , 2004, 25, 91-106.	2.1	30
17	Endogenous Discounting and Climate Policy. <i>Environmental and Resource Economics</i> , 2009, 44, 507-520.	3.2	30
18	Validation of models for global irradiance on inclined planes. <i>Solar Energy</i> , 1992, 48, 59-66.	6.1	28

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19	The effect of recycling price uncertainty on municipal waste management choices. <i>Journal of Environmental Management</i> , 2009, 90, 3599-3606.	7.8	28
20	Inter-group competition and stable group sizes. <i>Animal Behaviour</i> , 1995, 50, 485-488.	1.9	25
21	Long-term perspective on the development of solar energy. <i>Solar Energy</i> , 2000, 68, 379-392.	6.1	25
22	Magnetic Moments in Calcium Isotopes via a Surface-Interaction Experiment. <i>Physical Review Letters</i> , 1979, 43, 326-330.	7.8	24
23	Site-independent algorithm for obtaining the direct beam insolation from a multipyranometer instrument. <i>Solar Energy</i> , 1993, 50, 53-57.	6.1	24
24	The infinite horizon dynamic optimization problem revisited: A simple method to determine equilibrium states. <i>European Journal of Operational Research</i> , 2001, 131, 482-490.	5.7	24
25	Prealignment B(E2)-anomaly in ^{124}Xe . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 133, 9-12.	4.1	23
26	On the dynamics of competing energy sources. <i>Automatica</i> , 2011, 47, 1357-1365.	5.0	23
27	Two neutron-dominated $10+$ states in ^{134}Ce . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 97, 351-354.	4.1	22
28	ENDANGERED SPECIES AND NATURAL RESOURCE EXPLOITATION: EXTINCTION VS. COEXISTENCE. <i>Natural Resource Modelling</i> , 1994, 8, 389-413.	2.0	22
29	Towards endogenous recombinant growth. <i>Journal of Economic Dynamics and Control</i> , 2007, 31, 3459-3477.	1.6	22
30	Magnetic Hyperfine Rotation of $\alpha^{13}\text{-Ray}$ Angular Distribution Due to Target Tilting. <i>Physical Review Letters</i> , 1977, 38, 221-224.	7.8	20
31	Magnetic moments of the $21+$ levels in even Sn isotopes. <i>Physical Review C</i> , 1980, 22, 97-100.	2.9	20
32	A method for monitoring insolation in remote regions. <i>Solar Energy</i> , 1987, 38, 327-333.	6.1	19
33	Thermodynamic Analysis of Latent Heat Storage in a Shell-and-Tube Heat Exchanger. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1992, 114, 93-99.	1.8	19
34	Precaution under mixed uncertainty: Implications for environmental management. <i>Resources and Energy Economics</i> , 2012, 34, 188-197.	2.5	18
35	The Negev Radiation Survey. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2004, 126, 906-914.	1.8	17
36	R&D policies for desalination technologies. <i>Agricultural Economics (United Kingdom)</i> , 2000, 24, 73-85.	3.9	15

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37	Welfare measurement under threats of environmental catastrophes. <i>Journal of Environmental Economics and Management</i> , 2006, 52, 421-429.	4.7	14
38	Irrigation production functions with water-capital substitution. <i>Agricultural Economics (United Kingdom)</i> , 2006, 27, 101-110.	3.9	14
39	The Regulation of Environmental Innovations. <i>Journal of Environmental Economics and Management</i> , 2002, 44, 242-260.	4.7	13
40	Steady-state properties in a class of dynamic models. <i>Journal of Economic Dynamics and Control</i> , 2014, 39, 165-177.	1.6	13
41	Magnetic moment of the $19/2^+$ isomer in ^{135}Ce . <i>Zeitschrift für Physik A</i> , 1982, 304, 269-272.	1.4	12
42	Low-spin states in even Po and Rn isotopes and the interplay between collective and quasiparticle configurations. <i>Physical Review C</i> , 1983, 27, 2311-2316.	2.9	12
43	A multipyranometer instrument for obtaining the solar beam and diffuse components, and the irradiance on inclined planes. <i>Solar Energy</i> , 1992, 48, 253-259.	6.1	12
44	Accurate field calibration of pyranometers. <i>Solar Energy</i> , 1992, 49, 489-492.	6.1	12
45	Water policy guidelines: A comprehensive approach. <i>Water Resources and Economics</i> , 2018, 23, 1-13.	2.2	12
46	Measurement of nuclear magnetic moments and the tilted-multifoil interaction. <i>Physical Review C</i> , 1982, 25, 1525-1533.	2.9	11
47	E0 transitions in ^{82}Kr . <i>Physical Review C</i> , 1985, 31, 1483-1489.	2.9	11
48	New perturbation method for planar phase-change processes with time-dependent boundary conditions. <i>Journal of Applied Physics</i> , 1987, 62, 4375-4381.	2.5	11
49	Bio-economic resource management under threats of environmental catastrophes. <i>Ecological Research</i> , 2007, 22, 431-438.	1.5	11
50	The Management of Fragile Resources: A Long Term Perspective. <i>Environmental and Resource Economics</i> , 2016, 65, 639-655.	3.2	11
51	Dust-induced degradation of pyranometer sensitivity. <i>Solar Energy</i> , 1993, 50, 483-486.	6.1	10
52	Polarized hyperfine interaction in the tilted foil geometry: The Sm-Nd region at $v/c \approx 0.01$. <i>Hyperfine Interactions</i> , 1981, 9, 181-186.	0.5	9
53	Policy tradeoffs under risk of abrupt climate change. <i>Journal of Economic Behavior and Organization</i> , 2016, 132, 46-55.	2.0	9
54	Application of the Scherer-Blume theory to the intermediate ionization regime. <i>Hyperfine Interactions</i> , 1977, 3, 125-133.	0.5	8

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55	Irreversible thermodynamics of phase change heat transfer: Basic principles and applications to latent heat storage. <i>Open Systems and Information Dynamics</i> , 1992, 1, 423-458.	1.2	8
56	Polarization of excited nuclear levels induced by atomic orientation. <i>Hyperfine Interactions</i> , 1980, 8, 19-27.	0.5	7
57	Magnetic moments of the 21+ levels in Zr92 and Zr94. <i>Physical Review C</i> , 1980, 22, 1065-1067.	2.9	7
58	On Conducting Simultaneous Versus Sequential Engineering Activities in Risky R&D. <i>International Transactions in Operational Research</i> , 2001, 8, 585-601.	2.7	7
59	Coping with Multiple Catastrophic Threats. <i>Environmental and Resource Economics</i> , 2017, 68, 175-196.	3.2	7
60	The effect of the Z = 64 subshell on IBA calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 126, 145-147.	4.1	6
61	Low-profile solar water heaters: The mirror booster problem revisited. <i>Solar Energy</i> , 1988, 40, 385-390.	6.1	6
62	Josef Bertrand Catches Some Ants: Unbiased Random Trajectories for the Simulation of Position Effects in Groups. <i>Journal of Theoretical Biology</i> , 2000, 207, 299-303.	1.7	6
63	Uncertain Climate Policy and the Green Paradox. <i>Dynamic Modeling and Econometrics in Economics and Finance</i> , 2014, , 155-168.	0.5	5
64	Hyperfine interaction and g-factor measurements in Er isotopes. <i>Nuclear Physics A</i> , 1980, 344, 176-184.	1.5	4
65	Characterizing Dynamic Irrigation Policies Via Green's Theorem. , 2005, , 105-117.		4
66	On the Dynamics of Knowledge-Based Economic Growth. <i>Journal of Optimization Theory and Applications</i> , 2007, 135, 101-115.	1.5	4
67	Resource Management Under Catastrophic Threats. <i>Annual Review of Resource Economics</i> , 2021, 13, 403-425.	3.7	4
68	Trans-Boundary Water Projects and Political Uncertainty. , 1998, , 279-295.		4
69	Dynamic and Stochastic Analysis of Environmental and Natural Resources. , 2014, , 929-949.		4
70	STOCHASTIC ENERGY DEMAND AND THE STABILIZATION VALUE OF ENERGY STORAGE. <i>Natural Resource Modelling</i> , 1992, 6, 435-447.	2.0	3
71	Steady state properties of multi-state economic models. <i>Canadian Journal of Economics</i> , 2017, 50, 506-521.	1.2	3
72	On Event Uncertainty and Renewable Resource Management. , 1997, , 283-298.		3

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73	On the dependence of fluctuating hyperfine fields. <i>Hyperfine Interactions</i> , 1976, 2, 395-398.	0.5	2
74	Magnetic decoupling of the hyperfine interaction of ^{18}F ions recoiling in vacuum. <i>Hyperfine Interactions</i> , 1978, 4, 183-187.	0.5	2
75	Correction schemes for solar sensors with multiple time constants. <i>Solar Energy</i> , 1993, 51, 377-382.	6.1	2
76	Thermal performance of lived-in passive solar buildings: Education center at Sede Boqer, Israel. <i>International Journal of Ambient Energy</i> , 1992, 13, 41-48.	2.5	1
77	Resource exploitation, biodiversity loss and ecological events. , 2001, , 115-130.		1
78	Solute transfer and extraction from trickle irrigation source: The effective hemisphere model. <i>Water Resources Research</i> , 1987, 23, 2091-2096.	4.2	0
79	On turnpike solutions of some optimal growth problems*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 82-84.	0.4	0
80	Dynamic and Stochastic Analysis of Environmental and Natural Resources. , 2018, , 1-21.		0
81	Dynamic and Stochastic Analysis of Environmental and Natural Resources. , 2021, , 1435-1454.		0
82	Bio-economic resource management under threats of environmental catastrophes. , 2007, , 431-438.		0