

Erin D Baker

List of Publications by Citations

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Version: 2024-04-17

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

1,957
citations

24
h-index

43
g-index

73
ext. papers

2,358
ext. citations

9.3
avg, IF

5.46
L-index

#	Paper	IF	Citations
64	Estimating the manufacturing cost of purely organic solar cells. <i>Solar Energy</i> , 2009 , 83, 1224-1231	6.8	280
63	Expert elicitation survey on future wind energy costs. <i>Nature Energy</i> , 2016 , 1,	62.3	141
62	Evaluating energy storage technologies for wind power integration. <i>Solar Energy</i> , 2012 , 86, 2707-2717	6.8	105
61	The Economics of Solar Electricity. <i>Annual Review of Resource Economics</i> , 2013 , 5, 387-426	5.9	97
60	CLIMATE ECONOMICS. Opportunities for advances in climate change economics. <i>Science</i> , 2016 , 352, 292-3	33.3	83
59	Technical change and the marginal cost of abatement. <i>Energy Economics</i> , 2008 , 30, 2799-2816	8.3	74
58	Advanced solar R&D: Combining economic analysis with expert elicitations to inform climate policy. <i>Energy Economics</i> , 2009 , 31, S37-S49	8.3	73
57	Demand Subsidies Versus R&D: Comparing the Uncertain Impacts of Policy on a Pre-commercial Low-carbon Energy Technology. <i>Energy Journal</i> , 2009 , 30,	3.5	66
56	Carbon capture and storage: combining economic analysis with expert elicitations to inform climate policy. <i>Climatic Change</i> , 2009 , 96, 379-408	4.5	63
55	Battery technology for electric and hybrid vehicles: Expert views about prospects for advancement. <i>Technological Forecasting and Social Change</i> , 2010 , 77, 1139-1146	9.5	56
54	Profit-maximizing R&D in response to a random carbon tax. <i>Resources and Energy Economics</i> , 2006 , 28, 160-180	3.2	54
53	Investment in risky R&D programs in the face of climate uncertainty. <i>Energy Economics</i> , 2008 , 30, 465-486.	8.3	50
52	Uncertainty and endogenous technical change in climate policy models. <i>Energy Economics</i> , 2008 , 30, 2818-2828.	8.3	46
51	Cellulosic biofuels: Expert views on prospects for advancement. <i>Energy</i> , 2011 , 36, 595-605	7.9	44
50	Climate change and optimal energy technology R&D policy. <i>European Journal of Operational Research</i> , 2011 , 213, 442-454	5.6	43
49	Expert elicitation survey predicts 37% to 49% declines in wind energy costs by 2050. <i>Nature Energy</i> , 2021 , 6, 555-565	62.3	42
48	Expert elicitations of energy penalties for carbon capture technologies. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 12, 136-145	4.2	41

47	Uncertainty and learning in a strategic environment: global climate change. <i>Resources and Energy Economics</i> , 2005 , 27, 19-40	3.2	40
46	Optimal Technology R&D in the Face of Climate Uncertainty. <i>Climatic Change</i> , 2006 , 78, 157-179	4.5	39
45	Future costs of key low-carbon energy technologies: Harmonization and aggregation of energy technology expert elicitation data. <i>Energy Policy</i> , 2015 , 80, 219-232	7.2	35
44	Integrating uncertainty into public energy research and development decisions. <i>Nature Energy</i> , 2017 , 2,	62.3	32
43	Future Prospects for Energy Technologies: Insights from Expert Elicitations. <i>Review of Environmental Economics and Policy</i> , 2018 , 12, 133-153	6	32
42	Mitigation Potential and Costs 791-864		26
41	Management of Energy Technology for Sustainability: How to Fund Energy Technology Research and Development. <i>Production and Operations Management</i> , 2014 , 23, 348-365	3.6	24
40	Holistic multi-criteria decision analysis evaluation of sustainable electric generation portfolios: New England case study. <i>Applied Energy</i> , 2019 , 242, 655-673	10.7	22
39	Changing the policy paradigm: A benefit maximization approach to electricity planning in developing countries. <i>Applied Energy</i> , 2020 , 264, 114583	10.7	20
38	Finding Common Ground When Experts Disagree: Robust Portfolio Decision Analysis. <i>SSRN Electronic Journal</i> , 2017 ,	1	20
37	. <i>IEEE Transactions on Engineering Management</i> , 2010 , 57, 547-559	2.6	20
36	Unintended consequences of Northern Ireland's renewable obligation policy. <i>Electricity Journal</i> , 2017 , 30, 47-54	2.6	19
35	Increasing Risk and Increasing Informativeness: Equivalence Theorems. <i>Operations Research</i> , 2006 , 54, 26-36	2.3	19
34	Optimal Feed-in Tariff Schedules. <i>IEEE Transactions on Engineering Management</i> , 2012 , 59, 310-322	2.6	18
33	Modeling the future costs of carbon capture using experts' elicited probabilities under policy scenarios. <i>Energy</i> , 2013 , 56, 218-228	7.9	18
32	Robust portfolio decision analysis: An application to the energy research and development portfolio problem. <i>European Journal of Operational Research</i> , 2020 , 284, 1107-1120	5.6	17
31	A portfolio model for siting offshore wind farms with economic and environmental objectives. <i>European Journal of Operational Research</i> , 2018 , 267, 304-314	5.6	17
30	Development of a Green Building Decision Support Tool: A Collaborative Process. <i>Decision Analysis</i> , 2009 , 6, 172-185	1.2	16

29	Optimal Policy under Uncertainty and Learning about Climate Change: A Stochastic Dominance Approach. <i>Journal of Public Economic Theory</i> , 2009 , 11, 721-747	1	15
28	A control model of policy uncertainty and energy R&D investments. <i>International Journal of Global Energy Issues</i> , 2009 , 32, 307	0.3	14
27	Decision frameworks and the investment in R&D. <i>Energy Policy</i> , 2015 , 80, 275-285	7.2	11
26	Characterizing the effects of policy instruments on the future costs of carbon capture for coal power plants. <i>Climatic Change</i> , 2015 , 133, 155-168	4.5	10
25	Expert views - and disagreements - about the potential of energy technology R&D. <i>Climatic Change</i> , 2016 , 136, 677-691	4.5	10
24	Who is marginalized in energy justice? Amplifying community leader perspectives of energy transitions in Ghana. <i>Energy Research and Social Science</i> , 2021 , 73, 101933	7.7	10
23	Large scale scenario analysis of future low carbon energy options. <i>Energy Economics</i> , 2015 , 49, 203-216	8.3	9
22	Advanced Nuclear Power: Combining Economic Analysis with Expert Elicitations to Inform Climate Policy. <i>SSRN Electronic Journal</i> , 2008 ,	1	9
21	Curtailling wind turbine operations to reduce avian mortality. <i>Renewable Energy</i> , 2015 , 78, 351-356	8.1	8
20	Option Value and the Diffusion of Energy Efficient Products. <i>Energy Journal</i> , 2012 , 33,	3.5	8
19	The Value of Better Information on Technology R&D Programs in Response to Climate Change. <i>Environmental Modeling and Assessment</i> , 2012 , 17, 107-121	2	6
18	Combining experts: decomposition and aggregation order. <i>Risk Analysis</i> , 2013 , 33, 1116-27	3.9	6
17	The global climate value of offshore wind energy. <i>Environmental Research Letters</i> , 2020 , 15, 054003	6.2	5
16	Convexity Analysis of the Dynamic Integrated Model of Climate and the Economy (DICE). <i>Environmental Modeling and Assessment</i> , 2015 , 20, 443-451	2	4
15	How grid integration costs impact the optimal R&D portfolio into electricity supply technologies in the face of climate change. <i>Sustainable Energy Technologies and Assessments</i> , 2014 , 7, 22-29	4.7	4
14	Patenting and business outcomes for cleantech startups funded by the Advanced Research Projects Agency-Energy. <i>Nature Energy</i> , 2020 , 5, 803-810	62.3	4
13	Wind energy's bycatch: Offshore wind deployment impacts on hydropower operation and migratory fish. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110885	16.2	4
12	A Markov model for planning and permitting offshore wind energy: A case study of radio-tracked terns in the Gulf of Maine, USA. <i>Journal of Environmental Management</i> , 2017 , 193, 400-409	7.9	3

11	The levelized cost of carbon: a practical, if imperfect, method to compare CO2 abatement projects. <i>Climate Policy</i> , 2019 , 19, 1132-1143	5.3	3
10	Facing the Experts: Survey Mode and Expert Elicitation. <i>SSRN Electronic Journal</i> , 2014 ,	1	3
9	A perspective on equity implications of net zero energy systems. <i>Energy and Climate Change</i> , 2021 , 2, 100047	1.2	3
8	Demand Subsidies vs. R&D: Comparing the Uncertain Impacts of Policy on a Pre-Commercial Low-Carbon Energy Technology. <i>SSRN Electronic Journal</i> , 2008 ,	1	2
7	Modeling the Costs of Carbon Capture. <i>Energy Systems</i> , 2012 , 349-372	0.4	2
6	New Developments in LC-MS and Other Hyphenated Techniques 2011 , 981-1030		1
5	Advanced Nuclear Power: Converting Expert Elicitations into Economic Parameters to Inform Climate Policy. <i>SSRN Electronic Journal</i> ,	1	1
4	Too Early to Pick Winners: Disagreement Across Experts Implies the Need to Diversify R&D Investment. <i>SSRN Electronic Journal</i> ,	1	1
3	Uncertainty analysis of the future cost of wind energy on climate change mitigation. <i>Climatic Change</i> , 2021 , 166, 1	4.5	0
2	The Sustainability of Decarbonizing the Grid: A Multi-Model Decision Analysis Applied to Mexico. <i>Renewable and Sustainable Energy Transition</i> , 2022 , 100020		
1	Regional Power Planning Robust to Multiple Models: Meeting Mexico's 2050 Climate Goals. <i>Energy and Climate Change</i> , 2022 , 100076	1.2	