

John Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,406
citations

516561

16
h-index

360920

35
g-index

76
all docs

76
docs citations

76
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the solar city concept and methods to assess rooftop solar electric potential, with an illustrative application to the city of Seoul. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 830-844.	8.2	169
2	American policy conflict in the greenhouse: Divergent trends in federal, regional, state, and local green energy and climate change policy. <i>Energy Policy</i> , 2007, 35, 4555-4573.	4.2	157
3	Review of dynamic pricing programs in the U.S. and Europe: Status quo and policy recommendations. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 743-751.	8.2	122
4	The economics of sustainable energy for rural development: A study of renewable energy in rural China. <i>Energy Policy</i> , 1998, 26, 45-54.	4.2	112
5	Evaluating the potential of small-scale renewable energy options to meet rural livelihoods needs: A GIS- and lifecycle cost-based assessment of Western China's options. <i>Energy Policy</i> , 2007, 35, 4391-4401.	4.2	110
6	An equity- and sustainability-based policy response to global climate change. <i>Energy Policy</i> , 1998, 26, 335-343.	4.2	65
7	The value of module efficiency in lowering the levelized cost of energy of photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4248-4254.	8.2	63
8	Expanding the Conceptual and Analytical Basis of Energy Justice: Beyond the Three-Tenet Framework. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	44
9	Relocating Energy in the Social Commons. <i>Bulletin of Science, Technology and Society</i> , 2009, 29, 81-94.	1.1	39
10	A solar city strategy applied to six municipalities: integrating market, finance, and policy factors for infrastructure-scale photovoltaic development in Amsterdam, London, Munich, New York, Seoul, and Tokyo. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2016, 5, 68-88.	1.9	33
11	The rise and fall of green growth: Korea's energy sector experiment and its lessons for sustainable energy policy. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2019, 8, e335.	1.9	29
12	Assessing the Potential Extent of Carsharing. <i>Transportation Research Record</i> , 2005, 1927, 174-181.	1.0	28
13	Evaluating the economics of photovoltaics in a demand-side management role. <i>Energy Policy</i> , 1996, 24, 177-185.	4.2	26
14	EVALUATING THE PERSISTENCE OF RESIDENTIAL WATER CONSERVATION: A 1992?1997 PANEL STUDY OF A WATER UTILITY PROGRAM IN DELAWARE. <i>Journal of the American Water Resources Association</i> , 1999, 35, 1269-1276.	1.0	25
15	A review of sustainable energy utility and energy service utility concepts and applications: realizing ecological and social sustainability with a community utility. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2016, 5, 136-154.	1.9	24
16	Are solar cities feasible? A review of current research. <i>International Journal of Urban Sciences</i> , 2017, 21, 239-256.	1.3	19
17	Multivariate analysis of solar city economics: impact of energy prices, policy, finance, and cost on urban photovoltaic power plant implementation. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e241.	1.9	18
18	Assessing the Potential Extent of Carsharing: A New Method and Its Implications. <i>Transportation Research Record</i> , 2005, 1927, 174-181.	1.0	18

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19	Can Cities Sustain Life in the Greenhouse?. Bulletin of Science, Technology and Society, 2006, 26, 84-95.	1.1	16
20	Diversifying Electricity Customer Choice: REVing Up the New York Energy Vision for Polycentric Innovation. , 0, , .		16
21	Efficient Global Warming: Contradictions in Liberal Democratic Responses to Global Environmental Problems. Bulletin of Science, Technology and Society, 1999, 19, 493-500.	1.1	15
22	High efficiency photovoltaics: on the way to becoming a major electricity source. Wiley Interdisciplinary Reviews: Energy and Environment, 2012, 1, 132-151.	1.9	13
23	Spatial Energy Efficiency Patterns in New York and Implications for Energy Demand and the Rebound Effect. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 135-161.	1.8	13
24	The potential of solar electric power for meeting future US energy needs: a comparison of projections of solar electric energy generation and Arctic National Wildlife Refuge oil production. Energy Policy, 2004, 32, 289-297.	4.2	12
25	An assessment of price convergence between natural gas and solar photovoltaic in the U.S. electricity market. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e238.	1.9	12
26	Utilizing the Urban Fabric as the Solar Power Plant of the Future. , 2018, , 31-49.		12
27	Cityâ€scale urban sustainability: Spatiotemporal mapping of distributed solar power for New York City. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e374.	1.9	12
28	Advancing transformative sustainability: A comparative analysis of electricity service and supply innovators in the United States. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e337.	1.9	10
29	American policy conflict in the hothouse: Exploring the politics of climate inaction and polycentric rebellion. Energy Research and Social Science, 2022, 89, 102551.	3.0	10
30	Renewable Energy for Rural Sustainability: Lessons From China. Bulletin of Science, Technology and Society, 2002, 22, 123-131.	1.1	9
31	Explaining the Evolution of Chinaâ€™s Governmentâ€™Environmental NGO Relations since the 1990s: A Conceptual Framework and Case Study. Asian Studies Review, 2021, 45, 615-634.	0.7	9
32	Commodification of Ghana's Volta River: An Example of Ellul's Autonomy of Technique. Bulletin of Science, Technology and Society, 2005, 25, 17-25.	1.1	8
33	Assessing the impact of R&D policy on PV market development: The case of South Korea. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e366.	1.9	8
34	Infrastructureâ€scale sustainable energy planning in the cityscape: Transforming urban energy metabolism in East Asia. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, e397.	1.9	8
35	Operationalising Capability Thinking in the Assessment of Energy Poverty Relief Policies: Moving from Compensation-based to Empowerment-focused Policy Strategies. Journal of Human Development and Capabilities, 2021, 22, 292-315.	1.2	8
36	Sustainable Business Model Innovation. Advances in Business Strategy and Competitive Advantage Book Series, 2017, , 140-159.	0.2	8

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37	Nuclear Power and Technological Authoritarianism. <i>Bulletin of Science, Technology and Society</i> , 1987, 7, 658-671.	1.1	7
38	Photovoltaics as a demand-side management technology: An analysis of peak-shaving and direct load control options. <i>Progress in Photovoltaics: Research and Applications</i> , 1994, 2, 235-248.	4.4	7
39	Ellul and the Weather. <i>Bulletin of Science, Technology and Society</i> , 2005, 25, 4-16.	1.1	7
40	Hydrogen Highways: Lessons on the Energy Technology-Policy Interface. <i>Bulletin of Science, Technology and Society</i> , 2006, 26, 288-298.	1.1	7
41	Enhancing Climate Finance Readiness: A Review of Selected Investment Frameworks as Tools of Multilevel Governance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
42	The Postmodern Greenhouse: Creating Virtual Carbon Reductions From Business-as-Usual Energy Politics. <i>Bulletin of Science, Technology and Society</i> , 2001, 21, 443-455.	1.1	5
43	Clean energy transitionâ€”our <i>urgent</i> challenge: an editorial essay. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e243.	1.9	5
44	Nuclear Power and Technological Authoritarianism. <i>Bulletin of Science, Technology and Society</i> , 1987, 7, 658-671.	1.1	4
45	Social change to avert further climate change: defining the scale of change and principles to guide a new strategy. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2012, 1, 17-40.	1.9	4
46	Resolving Conflicts between Renewable Energy and Wildlife by Promoting a Paradigm Shift from Commodity to Commons-Based Policy. <i>Journal of International Wildlife Law and Policy</i> , 2013, 16, 375-397.	0.3	4
47	Energy and environment is defined by its crossâ€”disciplinary basis: an editorial essay. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2014, 3, 1-2.	1.9	4
48	Undoing Atmospheric Harm: Civil Action to Shrink the Carbon Footprint. , 2008, , 27-53.		4
49	Estimating the impacts of natural gas power generation growth on solar electricity development: PJM's evolving resource mix and ramping capability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2023, 12, .	1.9	4
50	Some Lessons in the Political Economy of Megapower: Wppss and the Municipal Bond Market. <i>Journal of Urban Affairs</i> , 1986, 8, 35-48.	1.0	3
51	Energy strategies to confront climate change. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2012, 1, 1-2.	1.9	3
52	Little time left to reverse emissionsâ€”Growing hope despite disappointing CO₂ trend. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e369.	1.9	3
53	Freshwater Management in Industrialized Urban Areas. , 2006, , 459-491.		3
54	Chapter 5: Rethinking the Household Energy Crisis: The Role of Information in Household Energy Conservation. <i>Marriage and Family Review</i> , 1985, 9, 83-113.	0.7	2

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55	The Politics of Alternative Energy: A Study of Water Pumping Systems in Developing Nations. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1991, 13, 55-66.	0.5	2
56	Energy, climate, and our historic opportunity: an editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 5-6.	1.9	2
57	Sustaining our common future: Transformative, timely, commonsâ€based change is needed. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e334.	1.9	2
58	Inferentialâ€and measurementâ€based methods to estimate rooftop â€solar cityâ€potential in megacity Seoul, South Korea. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	2
59	INCARCERATION VS. COMMUNITY-BASED CORRECTIONS: MORE THAN JUST POLITICS*. Review of Policy Research, 1982, 2, 216-223.	2.8	1
60	DEREGULATION AND ENERGY CONSERVATION: A REAPPRAISAL. Policy Studies Journal, 1984, 13, 331-343.	3.2	1
61	Ghastly science. Society, 1989, 27, 22-24.	0.7	1
62	Less Energy, a Better Economy, and a Sustainable South Korea: An Energy Efficiency Scenario Analysis. Bulletin of Science, Technology and Society, 2002, 22, 110-122.	1.1	1
63	Role of Technology in Achieving Environmental Policy Goals in the Maritime Transportation System. Transportation Research Record, 2004, 1871, 42-49.	1.0	1
64	Shifting to clean energyâ€An editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e283.	1.9	1
65	Feasibility of City-Scale Solar Power Plants Using Public Buildings: Case Studies of Newark and Wilmington Delaware with Early Investigations of Bifacial Solar Modules and Dual Orientation Racking as Tools for City-Scale Solar Development. SSRN Electronic Journal, 0, , .	0.4	1
66	Community Solar Governance: Institutional Design and Collective Choice Options: Implications for U.S. Markets. SSRN Electronic Journal, 0, , .	0.4	1
67	Break-even Price Estimates for Residential PV Applications in DECD Countries with an Analysis of Prospective Cost Reductions. Energy Studies Review, 2014, 14, .	0.2	1
68	Rapid climate transformation requires transformative policy and science thinkingâ€An editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	1
69	The role of PV in demand-site management: Policy and industry challenges. AIP Conference Proceedings, 1992, , .	0.3	0
70	Introductory Chapter: Sustainable Energy Investment and the Transition to Renewable Energy-Powered Futures. , 0, , .		0
71	Economics Comparison of Building Integrated PV in Different Policy Environments: The Cases of New York and Beijing. , 2008, , 310-314.		0
72	Sustainable Business Model Innovation. , 2020, , 1943-1962.		0

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73	Sustainable Business Model Innovation. , 2020, , 2122-2141.		0