

John Byrne

List of Publications by Year in descending order

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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	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
2	Rapid climate transformation requires transformative policy and science thinkingâ€”An editorial essay. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2022, 11, .	1.9	1
3	Inferentialâ€”and measurementâ€”based methods to estimate rooftop â€”solar cityâ€”potential in megacity Seoul, South Korea. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2022, 11, .	1.9	2
4	American policy conflict in the hothouse: Exploring the politics of climate inaction and polycentric rebellion. <i>Energy Research and Social Science</i> , 2022, 89, 102551.	3.0	10
5	Explaining the Evolution of Chinaâ€™s Governmentâ€™ Environmental NGO Relations since the 1990s: A Conceptual Framework and Case Study. <i>Asian Studies Review</i> , 2021, 45, 615-634.	0.7	9
6	Spatial Energy Efficiency Patterns in New York and Implications for Energy Demand and the Rebound Effect. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2021, 16, 135-161.	1.8	13
7	Infrastructureâ€”scale sustainable energy planning in the cityscape: Transforming urban energy metabolism in East Asia. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2021, 10, e397.	1.9	8
8	Operationalising Capability Thinking in the Assessment of Energy Poverty Relief Policies: Moving from Compensation-based to Empowerment-focused Policy Strategies. <i>Journal of Human Development and Capabilities</i> , 2021, 22, 292-315.	1.2	8
9	Assessing the impact of R&D policy on PV market development: The case of South Korea. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e366.	1.9	8
10	Little time left to reverse emissionsâ€”Growing hope despite disappointing CO ₂ trend. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e369.	1.9	3
11	Cityâ€”scale urban sustainability: Spatiotemporal mapping of distributed solar power for New York City. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e374.	1.9	12
12	Sustainable Business Model Innovation. , 2020, , 1943-1962.		0
13	Sustainable Business Model Innovation. , 2020, , 2122-2141.		0
14	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
15	Advancing transformative sustainability: A comparative analysis of electricity service and supply innovators in the United States. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2019, 8, e337.	1.9	10
16	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
17	Sustaining our common future: Transformative, timely, commonsâ€”based change is needed. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2019, 8, e334.	1.9	2
18	Shifting to clean energyâ€”An editorial essay. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018, 7, e283.	1.9	1

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19	Utilizing the Urban Fabric as the Solar Power Plant of the Future. , 2018, , 31-49.		12
20	Multivariate analysis of solar city economics: impact of energy prices, policy, finance, and cost on urban photovoltaic power plant implementation. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e241.	1.9	18
21	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
22	Clean energy transitionâ€”our <i>urgent</i> challenge: an editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e243.	1.9	5
23	Are solar cities feasible? A review of current research. International Journal of Urban Sciences, 2017, 21, 239-256.	1.3	19
24	Sustainable Business Model Innovation. Advances in Business Strategy and Competitive Advantage Book Series, 2017, , 140-159.	0.2	8
25	A review of sustainable energy utility and energy service utility concepts and applications: realizing ecological and social sustainability with a community utility. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 136-154.	1.9	24
26	Energy, climate, and our historic opportunity: an editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 5-6.	1.9	2
27	A solar city strategy applied to six municipalities: integrating market, finance, and policy factors for infrastructureâ€”scale photovoltaic development in Amsterdam, London, Munich, New York, Seoul, and Tokyo. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 68-88.	1.9	33
28	Review of dynamic pricing programs in the U.S. and Europe: Status quo and policy recommendations. Renewable and Sustainable Energy Reviews, 2015, 42, 743-751.	8.2	122
29	A review of the solar city concept and methods to assess rooftop solar electric potential, with an illustrative application to the city of Seoul. Renewable and Sustainable Energy Reviews, 2015, 41, 830-844.	8.2	169
30	Energy and environment is defined by its crossâ€”disciplinary basis: an editorial essay. Wiley Interdisciplinary Reviews: Energy and Environment, 2014, 3, 1-2.	1.9	4
31	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
32	Resolving Conflicts between Renewable Energy and Wildlife by Promoting a Paradigm Shift from Commodity to Commons-Based Policy. Journal of International Wildlife Law and Policy, 2013, 16, 375-397.	0.3	4
33	Social change to avert further climate change: defining the scale of change and principles to guide a new strategy. Wiley Interdisciplinary Reviews: Energy and Environment, 2012, 1, 17-40.	1.9	4
34	Energy strategies to confront climate change. Wiley Interdisciplinary Reviews: Energy and Environment, 2012, 1, 1-2.	1.9	3
35	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
36	The value of module efficiency in lowering the levelized cost of energy of photovoltaic systems. Renewable and Sustainable Energy Reviews, 2011, 15, 4248-4254.	8.2	63

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37	Relocating Energy in the Social Commons. Bulletin of Science, Technology and Society, 2009, 29, 81-94.	1.1	39
38	Undoing Atmospheric Harm: Civil Action to Shrink the Carbon Footprint. , 2008, , 27-53.		4
39	Economics Comparison of Building Integrated PV in Different Policy Environments: The Cases of New York and Beijing. , 2008, , 310-314.		0
40	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. Energy Policy, 2007, 35, 4391-4401.	4.2	110
41	American policy conflict in the greenhouse: Divergent trends in federal, regional, state, and local green energy and climate change policy. Energy Policy, 2007, 35, 4555-4573.	4.2	157
42	Hydrogen Highways: Lessons on the Energy Technology-Policy Interface. Bulletin of Science, Technology and Society, 2006, 26, 288-298.	1.1	7
43	Can Cities Sustain Life in the Greenhouse?. Bulletin of Science, Technology and Society, 2006, 26, 84-95.	1.1	16
44	Freshwater Management in Industrialized Urban Areas. , 2006, , 459-491.		3
45	Assessing the Potential Extent of Carsharing. Transportation Research Record, 2005, 1927, 174-181.	1.0	28
46	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
47	Ellul and the Weather. Bulletin of Science, Technology and Society, 2005, 25, 4-16.	1.1	7
48	Assessing the Potential Extent of Carsharing: A New Method and Its Implications. Transportation Research Record, 2005, 1927, 174-181.	1.0	18
49	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
50	Role of Technology in Achieving Environmental Policy Goals in the Maritime Transportation System. Transportation Research Record, 2004, 1871, 42-49.	1.0	1
51	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
52	Renewable Energy for Rural Sustainability: Lessons From China. Bulletin of Science, Technology and Society, 2002, 22, 123-131.	1.1	9
53	The Postmodern Greenhouse: Creating Virtual Carbon Reductions From Business-as-Usual Energy Politics. Bulletin of Science, Technology and Society, 2001, 21, 443-455.	1.1	5
54	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

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55	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
56	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
57	An equity- and sustainability-based policy response to global climate change. <i>Energy Policy</i> , 1998, 26, 335-343.	4.2	65
58	Evaluating the economics of photovoltaics in a demand-side management role. <i>Energy Policy</i> , 1996, 24, 177-185.	4.2	26
59	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
60	The role of PV in demand-site management: Policy and industry challenges. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	0
61	The Politics of Alternative Energy: A Study of Water Pumping Systems in Developing Nations. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 1991, 13, 55-66.	0.5	2
62	Ghastly science. <i>Society</i> , 1989, 27, 22-24.	0.7	1
63	Nuclear Power and Technological Authoritarianism. <i>Bulletin of Science, Technology and Society</i> , 1987, 7, 658-671.	1.1	4
64	Nuclear Power and Technological Authoritarianism. <i>Bulletin of Science, Technology and Society</i> , 1987, 7, 658-671.	1.1	7
65	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
66	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
67	DEREGULATION AND ENERGY CONSERVATION: A REAPPRAISAL. <i>Policy Studies Journal</i> , 1984, 13, 331-343.	3.2	1
68	INCARCERATION VS. COMMUNITY-BASED CORRECTIONS: MORE THAN JUST POLITICS*. <i>Review of Policy Research</i> , 1982, 2, 216-223.	2.8	1
69	Diversifying Electricity Customer Choice: REving Up the New York Energy Vision for Polycentric Innovation. , 0, , .		16
70	Enhancing Climate Finance Readiness: A Review of Selected Investment Frameworks as Tools of Multilevel Governance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
71	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. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
72	Community Solar Governance: Institutional Design and Collective Choice Options: Implications for U.S. Markets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
73	Introductory Chapter: Sustainable Energy Investment and the Transition to Renewable Energy-Powered Futures. , 0, , .		0