Jim Watson

List of Publications by Year
in descending order

41 papers	1,715 citations	361413 20 h-index	315739 38 g-index
44 all docs	44 docs citations	44 times ranked	1591 citing authors

#	Article	IF	Citations
1	Strategies for the deployment of micro-generation: Implications for social acceptance. Energy Policy, 2007, 35, 2770-2779.	8.8	233
2	Key policy considerations for facilitating low carbon technology transfer to developing countries. Energy Policy, 2008, 36, 4104-4115.	8.8	163
3	Intellectual property rights and low carbon technology transfer: Conflicting discourses of diffusion and development. Global Environmental Change, 2010, 20, 729-738.	7.8	124
4	Scenario analysis of Chinaâ€™s emissions pathways in the 21st century for low carbon transition. Energy Policy, 2010, 38, 3537-3546.	8.8	99
5	Modelling net-zero emissions energy systems requires a change in approach. Climate Policy, 2021, 21, 222-231.	5.1	85
6	A socio-technical framework for assessing the viability of carbon capture and storage technology. Technological Forecasting and Social Change, 2012, 79, 903-918.	11.6	70
7	Road to zero or road to nowhere? Disrupting transport and energy in a zero carbon world. Energy Policy, 2020, 139, 111334.	8.8	68
8	The political economy of carbon capture and storage: An analysis of two demonstration projects. Technological Forecasting and Social Change, 2016, 102, 250-260.	11.6	66
9	Co-provision in sustainable energy systems: the case of micro-generation. Energy Policy, 2004, 32, 1981-1990.	8.8	65
10	Lessons from China: building technological capabilities for low carbon technology transfer and development. Climatic Change, 2015, 131, 387-399.	3.6	63
11	China's carbon emissions and international trade: implications for post-2012 policy. Climate Policy, 2008, 8, 577-587.	5.1	58
12	The future role of natural gas in the UK: A bridge to nowhere?. Energy Policy, 2018, 113, 454-465.	8.8	57
13	Policy incentives for carbon capture and storage technologies in Europe: A qualitative multi-criteria analysis. Global Environmental Change, 2011, 21, 346-357.	7.8	54
14	Domestic micro-generation: Economic, regulatory and policy issues for the UK. Energy Policy, 2008, 36, 3095-3106.	8.8	47
15	Selection environments, flexibility and the success of the gas turbine. Research Policy, 2004, 33, 1065-1080.	6.4	43
16	Technological capabilities and late shakeouts: industrial dynamics in the advanced gas turbine industry, 1987-2002. Industrial and Corporate Change, 2008, 17, 335-392.	2.8	41
17	From CoPS to mass production? Capabilities and innovation in power generation equipment manufacturing. Industrial and Corporate Change, 2005, 14, 1-26.	2.8	37
18	Sustainable innovation through leapfrogging: a review of the evidence. International Journal of Technology and Globalisation, 2011, 5, 170.	0.1	34

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19	New nuclear power in the UK: A strategy for energy security?. Energy Policy, 2009, 37, 5094-5104.	8.8	30
20	The impact of uncertainties on the UK's medium-term climate change targets. Energy Policy, 2015, 87, 685-695.	8.8	24
21	Technological innovation systems for microgeneration in the UK and Germany â€“ a functional analysis. Technology Analysis and Strategic Management, 2010, 22, 745-764.	3.5	22
22	Incorporating ecosystem services into the design of future energy systems. Applied Energy, 2018, 222, 812-822.	10.1	22
23	Incumbents in transition? The role of the â€˜Big Sixâ€™ energy companies in the UK. Energy Policy, 2021, 148, 111927.	8.8	21
24	Resolving or managing uncertainties for carbon capture and storage: Lessons from historical analogues. Technological Forecasting and Social Change, 2014, 81, 192-204.	11.6	19
25	The technology that drove the â€˜dash for gasâ€™. Power Engineering Journal, 1997, 11, 11-19.	0.1	18
26	Do energy scenarios pay sufficient attention to the environment? Lessons from the UK to support improved policy outcomes. Energy Policy, 2018, 115, 397-408.	8.8	17
27	Nationally Determined Contributions under the Paris Agreement and the costs of delayed action. Climate Policy, 2019, 19, 947-958.	5.1	17
28	Mexicoâ€™s renewable energy innovation system: Geothermal and solar photovoltaics case study. Environmental Innovation and Societal Transitions, 2022, 43, 200-219.	5.5	16
29	Low-carbon strategies towards 2050: Comparing ex-ante policy evaluation studies and national planning processes in Europe. Environmental Science and Policy, 2017, 78, 89-96.	4.9	15
30	Governance of interactions between infrastructure sectors: The making of smart grids in the UK. Environmental Innovation and Societal Transitions, 2019, 32, 140-152.	5.5	14
31	Strategies for the deployment of CCS technologies in the UK: a critical review. Energy Procedia, 2009, 1, 4535-4542.	1.8	12
32	Analysing Uncertainties for CCS: From Historical Analogues to Future Deployment Pathways in the UK. Energy Procedia, 2013, 37, 7668-7679.	1.8	12
33	Assessing CCS viability - A socio-technical framework. Energy Procedia, 2011, 4, 5744-5751.	1.8	11
34	Embedding justice in the 1.5Â°C transition: A transdisciplinary research agenda. Renewable and Sustainable Energy Transition, 2021, 1, 100001.	2.9	7
35	Centralization, decentralization and the scales in between: what role might they play in the UK energy system?. , 2011, , 280-297.		6
36	Infrastructure decision-making: Opening up governance futures within techno-economic modelling. Technological Forecasting and Social Change, 2022, 174, 121208.	11.6	2

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37	Microgeneration in the UK and Germany from a Technological Innovation Systems Perspective. Sustainability and Innovation, 2012, , 117-140.	0.2	1
38	Energy systems and innovation. , 2015, , 34-51.		1
39	Institute of energy conference on gas turbine power generation, conference forum, London, 4 May 1995. Energy Policy, 1995, 23, 919-920.	8.8	0
40	Debate: Time to start picking winners again?. Public Policy Research, 2011, 17, 183-188.	0.2	0
41	Governance of interdependent infrastructure networks. , 0, , 294-309.		0