

Laurens J De Vries

List of Publications by Year in descending order

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56
papers

1,615
citations

257357

24
h-index

360920

35
g-index

57
all docs

57
docs citations

57
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable Energy Sources and Responsive Demand. Do We Need Congestion Management in the Distribution Grid?. IEEE Transactions on Power Systems, 2014, 29, 2119-2128.	4.6	168
2	Insufficient incentives for investment in electricity generations. Utilities Policy, 2004, 12, 253-267.	2.1	129
3	Institutional challenges caused by the integration of renewable energy sources in the European electricity sector. Renewable and Sustainable Energy Reviews, 2017, 75, 660-667.	8.2	123
4	Generation adequacy: Helping the market do its job. Utilities Policy, 2007, 15, 20-35.	2.1	98
5	The impact of electricity market design upon investment under uncertainty: The effectiveness of capacity mechanisms. Utilities Policy, 2008, 16, 215-227.	2.1	92
6	Cross-border electricity market effects due to price caps in an emission trading system: An agent-based approach. Energy Policy, 2014, 71, 139-158.	4.2	55
7	How do demand response and electrical energy storage affect (the need for) a capacity market?. Applied Energy, 2018, 214, 39-62.	5.1	55
8	Simulating climate and energy policy with agent-based modelling: The Energy Modelling Laboratory (EMLab). Environmental Modelling and Software, 2017, 96, 421-431.	1.9	53
9	The market (in-)stability reserve for EU carbon emission trading: Why it might fail and how to improve it. Utilities Policy, 2015, 35, 1-18.	2.1	51
10	Review of wind generation within adequacy calculations and capacity markets for different power systems. Renewable and Sustainable Energy Reviews, 2020, 119, 109540.	8.2	47
11	Decarbonization of Electricity Systems in Europe: Market Design Challenges. IEEE Power and Energy Magazine, 2021, 19, 53-63.	1.6	47
12	Medium-term demand for European cross-border electricity transmission capacity. Energy Policy, 2013, 61, 207-222.	4.2	42
13	Expert survey on capacity markets in the US: Lessons for the EU. Utilities Policy, 2016, 38, 11-17.	2.1	42
14	Effect of market design on strategic bidding behavior: Model-based analysis of European electricity balancing markets. Applied Energy, 2020, 270, 115130.	5.1	42
15	Does controlled electric vehicle charging substitute cross-border transmission capacity?. Applied Energy, 2014, 120, 169-180.	5.1	39
16	Cross-border effects of capacity mechanisms in interconnected power systems. Utilities Policy, 2017, 46, 33-47.	2.1	38
17	The effectiveness of a strategic reserve in the presence of a high portfolio share of renewable energy sources. Utilities Policy, 2016, 39, 13-28.	2.1	36
18	Adjusting the CO ₂ cap to subsidised RES generation: Can CO ₂ prices be decoupled from renewable policy?. Applied Energy, 2015, 156, 693-702.	5.1	35

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19	The effectiveness of capacity markets in the presence of a high portfolio share of renewable energy sources. <i>Utilities Policy</i> , 2017, 48, 76-91.	2.1	35
20	Integration of day-ahead market and redispatch to increase cross-border exchanges in the European electricity market. <i>Applied Energy</i> , 2020, 278, 115669.	5.1	32
21	The dynamic impact of carbon reduction and renewable support policies on the electricity sector. <i>Utilities Policy</i> , 2014, 28, 28-41.	2.1	30
22	An analysis of a forward capacity market with long-term contracts. <i>Energy Policy</i> , 2017, 111, 255-267.	4.2	30
23	The Question of Generation Adequacy in Liberalised Electricity Markets. <i>SSRN Electronic Journal</i> , 2004, , .	0.4	28
24	Effects of North-African electricity import on the European and the Italian power systems: a techno-economic analysis. <i>Electric Power Systems Research</i> , 2013, 96, 119-132.	2.1	26
25	Critical infrastructures: the need for international risk governance. <i>International Journal of Critical Infrastructures</i> , 2007, 3, 3.	0.1	25
26	Hybrid Electricity Markets: The Problem of Explaining Different Patterns of Restructuring. , 2008, , 65-93.		20
27	European power grid reliability indicators, what do they really tell?. <i>Electric Power Systems Research</i> , 2012, 90, 79-84.	2.1	19
28	The impact of microgeneration upon the Dutch balancing market. <i>Energy Policy</i> , 2009, 37, 2788-2797.	4.2	18
29	How Renewable Energy is Reshaping Europe's Electricity Market Design. <i>Economics of Energy and Environmental Policy</i> , 2018, 7, .	0.7	17
30	Title is missing!. <i>Competition and Regulation in Network Industries</i> , 2001, 2, 311-351.	0.1	16
31	Capacity allocation in a restructured electricity market: technical and economic evaluation of congestion management methods on interconnectors. , 0, , .		15
32	Title is missing!. <i>Competition and Regulation in Network Industries</i> , 2002, 3, 425-466.	0.1	13
33	Evaluating congestion management in the Dutch electricity transmission grid. <i>Energy Policy</i> , 2012, 51, 916-926.	4.2	11
34	Flexibility Challenges for Energy Markets: Fragmented Policies and Regulations Lead to Significant Concerns. <i>IEEE Power and Energy Magazine</i> , 2017, 15, 61-71.	1.6	10
35	Balancing market design for a decentralized electricity system: Case of the Netherlands. , 2008, , .		7
36	Auctions for congestion management in distribution grids. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
37	A power game: simulating the long-term development of an electricity market in a competitive game. , 2009, , .		6
38	Cross-border effects of capacity mechanisms. , 2014, , .		6
39	Electricity markets for DC distribution systems: Locational pricing trumps wholesale pricing. Energy, 2021, 214, 118876.	4.5	6
40	Imperfect Unit Commitment decisions with perfect information: A real-time comparison of energy versus power. , 2016, , .		5
41	Capacity Subscription Tariffs for Electricity Distribution Networks: Design Choices and Congestion Management. , 2020, , .		5
42	Carbon Policies. , 2010, , 31-56.		5
43	Market failure in generation investment? The Dutch perspective. , 2002, , .		5
44	Electricity market design requirements for DC distribution systems. , 2017, , .		4
45	Market signals as adequacy indicators for future flexible power systems. , 2022, 1, .		4
46	Addressing the supply-demand gap in India's electricity market: long and short-term policy options. , 2009, , .		3
47	Are cross-border electricity transmission and pumped hydro storage complementary technologies?. , 2013, , .		3
48	Organizing flexibility: How to adapt market design to the growing demand for flexibility. , 2015, , .		3
49	Valuing consumer flexibility in electricity market design. , 2021, , 287-308.		3
50	The effect of German strategic reserves on the central European electricity market. , 2013, , .		2
51	Electricity Markets for DC Distribution Systems: Design Options. Energies, 2019, 12, 2640.	1.6	2
52	A regional coordination framework for renewable energy policy in the European Union. International Journal of Environment and Pollution, 2009, 39, 128.	0.2	1
53	A Coordination Mechanism For Reducing Price Spikes in Distribution Grids. Energies, 2020, 13, 2500.	1.6	1
54	Mandatory long-term contracts for renewable energy: The best of both worlds?. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
55	Dynamic interactions of renewable and carbon policies on power generation investments. , 2013, , .		0
56	Cross-border electricity transmission capacity for network reliability. , 2013, , .		0