

Laurens J De Vries

List of Publications by Year in descending order

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56
papers

1,615
citations

257101

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360668

35
g-index

57
all docs

57
docs citations

57
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Market signals as adequacy indicators for future flexible power systems. , 2022, 1, .		4
2	Electricity markets for DC distribution systems: Locational pricing trumps wholesale pricing. Energy, 2021, 214, 118876.	4.5	6
3	Decarbonization of Electricity Systems in Europe: Market Design Challenges. IEEE Power and Energy Magazine, 2021, 19, 53-63.	1.6	47
4	Valuing consumer flexibility in electricity market design. , 2021, , 287-308.		3
5	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
6	Integration of day-ahead market and redispatch to increase cross-border exchanges in the European electricity market. Applied Energy, 2020, 278, 115669.	5.1	32
7	Capacity Subscription Tariffs for Electricity Distribution Networks: Design Choices and Congestion Management. , 2020, , .		5
8	Effect of market design on strategic bidding behavior: Model-based analysis of European electricity balancing markets. Applied Energy, 2020, 270, 115130.	5.1	42
9	A Coordination Mechanism For Reducing Price Spikes in Distribution Grids. Energies, 2020, 13, 2500.	1.6	1
10	Electricity Markets for DC Distribution Systems: Design Options. Energies, 2019, 12, 2640.	1.6	2
11	How do demand response and electrical energy storage affect (the need for) a capacity market?. Applied Energy, 2018, 214, 39-62.	5.1	55
12	How Renewable Energy is Reshaping Europe's Electricity Market Design. Economics of Energy and Environmental Policy, 2018, 7, .	0.7	17
13	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
14	Flexibility Challenges for Energy Markets: Fragmented Policies and Regulations Lead to Significant Concerns. IEEE Power and Energy Magazine, 2017, 15, 61-71.	1.6	10
15	Cross-border effects of capacity mechanisms in interconnected power systems. Utilities Policy, 2017, 46, 33-47.	2.1	38
16	The effectiveness of capacity markets in the presence of a high portfolio share of renewable energy sources. Utilities Policy, 2017, 48, 76-91.	2.1	35
17	An analysis of a forward capacity market with long-term contracts. Energy Policy, 2017, 111, 255-267.	4.2	30
18	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

#	ARTICLE	IF	CITATIONS
19	Electricity market design requirements for DC distribution systems. , 2017, , .		4
20	Auctions for congestion management in distribution grids. , 2016, , .		7
21	Imperfect Unit Commitment decisions with perfect information: A real-time comparison of energy versus power. , 2016, , .		5
22	Expert survey on capacity markets in the US: Lessons for the EU. Utilities Policy, 2016, 38, 11-17.	2.1	42
23	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
24	Organizing flexibility: How to adapt market design to the growing demand for flexibility. , 2015, , .		3
25	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
26	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
27	The dynamic impact of carbon reduction and renewable support policies on the electricity sector. Utilities Policy, 2014, 28, 28-41.	2.1	30
28	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
29	Does controlled electric vehicle charging substitute cross-border transmission capacity?. Applied Energy, 2014, 120, 169-180.	5.1	39
30	Cross-border effects of capacity mechanisms. , 2014, , .		6
31	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
32	Effects of North-African electricity import on the European and the Italian power systems: a techno-economic analysis. Electric Power Systems Research, 2013, 96, 119-132.	2.1	26
33	Dynamic interactions of renewable and carbon policies on power generation investments. , 2013, , .		0
34	Cross-border electricity transmission capacity for network reliability. , 2013, , .		0
35	The effect of German strategic reserves on the central European electricity market. , 2013, , .		2
36	Medium-term demand for European cross-border electricity transmission capacity. Energy Policy, 2013, 61, 207-222.	4.2	42

#	ARTICLE	IF	CITATIONS
37	Are cross-border electricity transmission and pumped hydro storage complementary technologies?. , 2013, , .		3
38	Evaluating congestion management in the Dutch electricity transmission grid. Energy Policy, 2012, 51, 916-926.	4.2	11
39	European power grid reliability indicators, what do they really tell?. Electric Power Systems Research, 2012, 90, 79-84.	2.1	19
40	Mandatory long-term contracts for renewable energy: The best of both worlds?. , 2011, , .		0
41	Carbon Policies. , 2010, , 31-56.		5
42	The impact of microgeneration upon the Dutch balancing market. Energy Policy, 2009, 37, 2788-2797.	4.2	18
43	A power game: simulating the long-term development of an electricity market in a competitive game. , 2009, , .		6
44	Addressing the supply-demand gap in India's electricity market: long and short-term policy options. , 2009, , .		3
45	A regional coordination framework for renewable energy policy in the European Union. International Journal of Environment and Pollution, 2009, 39, 128.	0.2	1
46	The impact of electricity market design upon investment under uncertainty: The effectiveness of capacity mechanisms. Utilities Policy, 2008, 16, 215-227.	2.1	92
47	Balancing market design for a decentralized electricity system: Case of the Netherlands. , 2008, , .		7
48	Hybrid Electricity Markets: The Problem of Explaining Different Patterns of Restructuring. , 2008, , 65-93.		20
49	Critical infrastructures: the need for international risk governance. International Journal of Critical Infrastructures, 2007, 3, 3.	0.1	25
50	Generation adequacy: Helping the market do its job. Utilities Policy, 2007, 15, 20-35.	2.1	98
51	The Question of Generation Adequacy in Liberalised Electricity Markets. SSRN Electronic Journal, 2004, , .	0.4	28
52	Insufficient incentives for investment in electricity generations. Utilities Policy, 2004, 12, 253-267.	2.1	129
53	Title is missing!. Competition and Regulation in Network Industries, 2002, 3, 425-466.	0.1	13
54	Market failure in generation investment? The Dutch perspective. , 2002, , .		5

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Competition and Regulation in Network Industries, 2001, 2, 311-351.	0.1	16
56	Capacity allocation in a restructured electricity market: technical and economic evaluation of congestion management methods on interconnectors. , 0, , .		15