Reinhard Haas

List of Publications by Year
in descending order

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69 papers	3,037 citations	201385 27 h-index	168136 53 g-index
73 all docs	73 docs citations	73 times ranked	3126 citing authors

#	Article	IF	Citations
1	A historical review of promotion strategies for electricity from renewable energy sources in EU countries. Renewable and Sustainable Energy Reviews, 2011, 15, 1003-1034.	8.2	319
2	Potentials and prospects for renewable energies at global scale. Energy Policy, 2008, 36, 4048-4056.	4.2	255
3	Efficiency and effectiveness of promotion systems for electricity generation from renewable energy sources â€“ Lessons from EU countries. Energy, 2011, 36, 2186-2193.	4.5	225
4	The rebound effect for space heating Empirical evidence from Austria. Energy Policy, 2000, 28, 403-410.	4.2	222
5	The impact of consumer behavior on residential energy demand for space heating. Energy and Buildings, 1998, 27, 195-205.	3.1	197
6	East to west â€“ The optimal tilt angle and orientation of photovoltaic panels from an electricity system perspective. Applied Energy, 2015, 160, 94-107.	5.1	129
7	Economic prospects and policy framework for hydrogen as fuel in the transport sector. Energy Policy, 2018, 123, 280-288.	4.2	111
8	Towards sustainability of energy systems: A primer on how to apply the concept of energy services to identify necessary trends and policies. Energy Policy, 2008, 36, 4012-4021.	4.2	105
9	Energy efficiency indicators in the residential sector. Energy Policy, 1997, 25, 789-802.	4.2	94
10	On the Success of Policy Strategies for the Promotion of Electricity from Renewable Energy Sources in the Eu. Energy and Environment, 2006, 17, 849-868.	2.7	90
11	The looming revolution: How photovoltaics will change electricity markets in Europe fundamentally. Energy, 2013, 57, 38-43.	4.5	90
12	Dissemination of electric vehicles in urban areas: Major factors for success. Energy, 2016, 115, 1451-1458.	4.5	90
13	SOCIO-ECONOMIC ASPECTS OF THE AUSTRIAN 200 kWp-PHOTOVOLTAIC-ROOFTOP PROGRAMME. Solar Energy, 1999, 66, 183-191.	2.9	84
14	Fixed feed-in tariff versus premium: A review of the current Spanish system. Renewable and Sustainable Energy Reviews, 2012, 16, 293-305.	8.2	80
15	On integrating large shares of variable renewables into the electricity system. Energy, 2016, 115, 1592-1601.	4.5	70
16	On the role of storage for electricity in smart energy systems. Energy, 2020, 200, 117473.	4.5	55
17	The sector coupling concept: A critical review. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, e396.	1.9	53
18	The value of photovoltaic electricity for society. Solar Energy, 1995, 54, 25-31.	2.9	48

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19	Electric vehicles: solution or new problem?. Environment, Development and Sustainability, 2018, 20, 7-22.	2.7	48
20	On the future prospects and limits of biofuels in Brazil, the US and EU. Applied Energy, 2014, 135, 730-737.	5.1	39
21	The impact of energy policies in scenarios on GHG emission reduction in passenger car mobility in the EU-15. Renewable and Sustainable Energy Reviews, 2017, 68, 1088-1096.	8.2	37
22	The role of efficiency improvements vs. price effects for modeling passenger car transport demand and energy demandâ€"Lessons from European countries. Energy Policy, 2012, 41, 36-46.	4.2	32
23	The political relevance of energy and CO2 indicators-An introduction. Energy Policy, 1997, 25, 639-649.	4.2	31
24	Market deployment strategies for photovoltaics: an international review. Renewable and Sustainable Energy Reviews, 2003, 7, 271-315.	8.2	31
25	Impacts on electricity consumption of household appliances in Austria: A comparison of time series and cross-section analyses. Energy Policy, 1998, 26, 1031-1040.	4.2	29
26	Optimal sizing of residential PV-systems from a household and social cost perspective. Solar Energy, 2017, 141, 49-58.	2.9	29
27	The impact of more efficient but larger new passenger cars on energy consumption in EU-15 countries. Energy, 2012, 48, 346-355.	4.5	28
28	Policy strategies and paths to promote sustainable energy systemsâ€"The dynamic Invert simulation tool. Energy Policy, 2007, 35, 597-608.	4.2	27
29	An international overview of promotion policies for grid-connected photovoltaic systems. Progress in Photovoltaics: Research and Applications, 2014, 22, 248-273.	4.4	27
30	Driving with the sun: Why environmentally benign electric vehicles must plug in at renewables. Solar Energy, 2015, 121, 169-180.	2.9	24
31	Economics of electric energy storage. The case of Western Balkans. Energy, 2022, 238, 121669.	4.5	21
32	On the longâ€tterm prospects of powerâ€toâ€gas technologies. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e318.	1.9	19
33	Financing the future infrastructure of sustainable energy systems. Green Finance, 2021, 3, 90-118.	3.6	19
34	On the economics and the future prospects of battery electric vehicles. , 2020, 10, 1151-1164.		18
35	Offshore wind power grid connectionâ€"The impact of shallow versus super-shallow charging on the cost-effectiveness of public support. Energy Policy, 2011, 39, 4631-4643.	4.2	17
36	Reducing CO2 emissions of cars in the EU: analyzing the underlying mechanisms of standards, registration taxes and fuel taxes. Energy Efficiency, 2016, 9, 925-937.	1.3	17

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37	Deriving efficient policy portfolios promoting sustainable energy systemsâ€"Case studies applying Invert simulation tool. Renewable Energy, 2006, 31, 2393-2410.	4.3	15
38	On the Historical Development and Future Prospects of Various Types of Electric Mobility. Energies, 2021, 14, 1070.	1.6	15
39	Driving on Renewablesâ€"On the Prospects of Alternative Fuels up to 2050 From an Energetic Point-of-View in European Union Countries. Journal of Energy Resources Technology, Transactions of the ASME, 2013, 135, .	1.4	13
40	On current and future economics of electricity storage. , 2020, 10, 1176-1192.		13
41	Progress in markets for grid-connected PV systems in the built environment. Progress in Photovoltaics: Research and Applications, 2004, 12, 427-440.	4.4	11
42	Long-term strategies for an efficient use of domestic biomass resources in Austria. Biomass and Bioenergy, 2010, 34, 449-466.	2.9	11
43	On the economics of storage for electricity: Current state and future market design prospects. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	11
44	Electric Mobility in Cities: The Case of Vienna. Energies, 2021, 14, 217.	1.6	9
45	Financial incentives to promote renewable energy systems in European electricity markets: a survey. International Journal of Global Energy Issues, 2001, 15, 5.	0.2	8
46	Consequences of different strategic decisions of market coupled zones on the development of energy systems based on coal and hydropower. Energy, 2020, 210, 118522.	4.5	8
47	Value Factors, Capture Prices and Cannibalism: nightmares for renewable energy decision-makers. Journal of World Energy Law and Business, 2021, 14, 231-247.	0.3	8
48	Economics of large-scale intermittent RES-E integration into the European grids: analyses based on the simulation software GreenNet. International Journal of Global Energy Issues, 2006, 25, 219.	0.2	7
49	Estimating storage needs for renewables in Europe: The correlation between renewable energy sources and heating and cooling demand. Smart Energy, 2021, 3, 100038.	2.6	7
50	CO2-reduction potentials and costs of biomass-based alternative energy carriers in Austria. Energy, 2014, 69, 120-131.	4.5	6
51	Efficient energy only markets. , 2015, , .		6
52	Organising a joint green European electricity market: the model ElGreen. Renewable Energy, 2004, 29, 197-210.	4.3	5
53	The relevance of cross-border transmission capacities for competition in the continental European electricity market. International Journal of Global Energy Issues, 2008, 29, 28.	0.2	5
54	Machine learning analysis for a flexibility energy approach towards renewable energy integration with dynamic forecasting of electricity balancing power. , 2017, , .		5

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55	How Policies Affect the Dissemination of Electric Passenger Cars Worldwide. Energies, 2021, 14, 2093.	1.6	5
56	Economic, social, and environmental aspects of Positive Energy Districtsâ€"A review. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	5
57	The Relevance of Asymmetry Issues for Residential Oil and Natural Gas Demand: Evidence from Selected OECD Countries, 1970-95. OPEC Review, 1998, 22, 113-143.	0.2	4
58	RESIDENTIAL PHOTOVOLTAICS APPLICATIONS: THE RELEVANCE OF NON-TECHNICAL ISSUES. International Journal of Solar Energy, 1998, 20, 37-55.	0.2	4
59	An economic, ecological and energetic assessment of battery electric, hybrid and fuel cell cars. , 2013, , .		4
60	The Growing Impact of Renewable Energy in European Electricity Markets. , 2013, , 125-146.		4
61	Modelling Stochastic Electricity Demand of Electric Vehicles Based on Traffic Surveysâ€"The Case of Austria. Energies, 2021, 14, 1577.	1.6	4
62	Renewable energy systems implementation in road transport: prospects and impediments. Renewable Energy and Environmental Sustainability, 2021, 6, 39.	0.7	4
63	Some empirical findings of an Austrian appliance turn-in program. Energy, 1996, 21, 55-60.	4.5	3
64	Efficient Load Management for BEV Charging Infrastructure in Multi-Apartment Buildings. Energies, 2020, 13, 5927.	1.6	3
65	On New Thinking and Designs of Electricity Markets. Energiepolitik Und Klimaschutz, 2019, , 369-385.	0.2	3
66	Market Penetration of Natural Gas in Europe: Prospects and Impediments. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1992, 14, 21-32.	0.5	2
67	The Long-Term Prospects of Biofuels in the EU-15 Countries. Energies, 2012, 5, 3110-3125.	1.6	1
68	New challenges in RES support. , 2016, , .		1
69	The energy knowledge triangle and its contribution to sustainable energy systems. , 2021, , .		0