

# Willett M Kempton

## List of Publications by Year in descending order

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91  
papers

13,094  
citations

57631

44  
h-index

66788

78  
g-index

94  
all docs

94  
docs citations

94  
times ranked

8164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicle-to-grid power fundamentals: Calculating capacity and net revenue. <i>Journal of Power Sources</i> , 2005, 144, 268-279.	4.0	1,817
2	Vehicle-to-grid power implementation: From stabilizing the grid to supporting large-scale renewable energy. <i>Journal of Power Sources</i> , 2005, 144, 280-294.	4.0	1,705
3	Using fleets of electric-drive vehicles for grid support. <i>Journal of Power Sources</i> , 2007, 168, 459-468.	4.0	871
4	Integration of renewable energy into the transport and electricity sectors through V2G. <i>Energy Policy</i> , 2008, 36, 3578-3587.	4.2	844
5	Willingness to pay for electric vehicles and their attributes. <i>Resources and Energy Economics</i> , 2011, 33, 686-705.	1.1	831
6	What Is the Sapir-Whorf Hypothesis?. <i>American Anthropologist</i> , 1984, 86, 65-79.	0.7	796
7	Electric vehicles as a new power source for electric utilities. <i>Transportation Research, Part D: Transport and Environment</i> , 1997, 2, 157-175.	3.2	674
8	Electric vehicles: How much range is required for a day's driving?. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 1171-1184.	3.9	459
9	Cost-minimized combinations of wind power, solar power and electrochemical storage, powering the grid up to 99.9% of the time. <i>Journal of Power Sources</i> , 2013, 225, 60-74.	4.0	430
10	Public opinion about large offshore wind power: Underlying factors. <i>Energy Policy</i> , 2007, 35, 1584-1598.	4.2	292
11	Two Theories of Home Heat Control*. <i>Cognitive Science</i> , 1986, 10, 75-90.	0.8	220
12	Lay perspectives on global climate change1. <i>Global Environmental Change</i> , 1991, 1, 183-208.	3.6	216
13	Electric-drive vehicles for peak power in Japan. <i>Energy Policy</i> , 2000, 28, 9-18.	4.2	195
14	Measurement of power loss during electric vehicle charging and discharging. <i>Energy</i> , 2017, 127, 730-742.	4.5	171
15	The Offshore Wind Power Debate: Views from Cape Cod. <i>Coastal Management</i> , 2005, 33, 119-149.	1.0	169
16	The Effectiveness of Incentives for Residential Energy Conservation. <i>Evaluation Review</i> , 1986, 10, 147-176.	0.4	160
17	Folk quantification of energy. <i>Energy</i> , 1982, 7, 817-827.	4.5	155
18	Willingness to pay for vehicle-to-grid (V2G) electric vehicles and their contract terms. <i>Energy Economics</i> , 2014, 42, 313-324.	5.6	153

#	ARTICLE	IF	CITATIONS
19	The neglected social dimensions to a vehicle-to-grid (V2G) transition: a critical and systematic review. <i>Environmental Research Letters</i> , 2018, 13, 013001.	2.2	145
20	Electric power from offshore wind via synoptic-scale interconnection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7240-7245.	3.3	135
21	Public acceptance of offshore wind power projects in the USA. <i>Wind Energy</i> , 2009, 12, 183-202.	1.9	132
22	Combining meteorological stations and satellite data to evaluate the offshore wind power resource of Southeastern Brazil. <i>Renewable Energy</i> , 2008, 33, 2375-2387.	4.3	130
23	The Future Promise of Vehicle-to-Grid (V2G) Integration: A Sociotechnical Review and Research Agenda. <i>Annual Review of Environment and Resources</i> , 2017, 42, 377-406.	5.6	123
24	Pricing offshore wind power. <i>Energy Policy</i> , 2011, 39, 6408-6421.	4.2	112
25	How the Public Views Climate Change. <i>Environment</i> , 1997, 39, 12-21.	0.8	102
26	The consumer's energy analysis environment. <i>Energy Policy</i> , 1994, 22, 857-866.	4.2	88
27	The Effect of Wind Power Installations on Coastal Tourism. <i>Energies</i> , 2010, 3, 1-22.	1.6	87
28	Public acceptance of offshore wind power across regions and through time. <i>Journal of Environmental Planning and Management</i> , 2012, 55, 1369-1386.	2.4	87
29	Undergraduate Understanding of Climate Change: The Influences of College Major and Environmental Group Membership on Survey Knowledge Scores. <i>Journal of Environmental Education</i> , 2015, 46, 149-165.	1.0	87
30	Psychological research for the new energy problems: Strategies and opportunities.. <i>American Psychologist</i> , 1992, 47, 1213-1223.	3.8	81
31	Large CO <sub>2</sub> reductions via offshore wind power matched to inherent storage in energy end-uses. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	80
32	Public acceptance of offshore wind power: does perceived fairness of process matter?. <i>Journal of Environmental Planning and Management</i> , 2012, 55, 1387-1402.	2.4	76
33	“œl always turn it on super” user decisions about when and how to operate room air conditioners. <i>Energy and Buildings</i> , 1992, 18, 177-191.	3.1	74
34	The challenge of integrating offshore wind power in the U.S. electric grid. Part I: Wind forecast error. <i>Renewable Energy</i> , 2017, 103, 346-360.	4.3	71
35	Electric vehicles: Driving range. <i>Nature Energy</i> , 2016, 1, .	19.8	68
36	Changes in fisheries management in Mexico: Effects of increasing scientific input and public participation. <i>Ocean and Coastal Management</i> , 2003, 46, 507-526.	2.0	67

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37	Economic analysis of using excess renewable electricity to displace heating fuels. Applied Energy, 2014, 131, 530-543.	5.1	67
38	Calculating the offshore wind power resource: Robust assessment methods applied to the U.S. Atlantic Coast. Renewable Energy, 2012, 43, 224-233.	4.3	59
39	Category grading and taxonomic relations: a mug is a sort of a cup. American Ethnologist, 1978, 5, 44-65.	1.0	56
40	Chapter 6: Do Consumers Know "What Works" in Energy Conservation?. Marriage and Family Review, 1985, 9, 115-133.	0.7	55
41	Public understanding of global warming. Society and Natural Resources, 1991, 4, 331-345.	0.9	55
42	Local Environmental Groups: A Systematic Enumeration in Two Geographical Areas*. Rural Sociology, 2001, 66, 557-578.	1.1	53
43	Taming hurricanes with arrays of offshore wind turbines. Nature Climate Change, 2014, 4, 195-200.	8.1	53
44	Cost minimization of generation, storage, and new loads, comparing costs with and without externalities. Applied Energy, 2017, 189, 110-121.	5.1	45
45	Assessing offshore wind resources: An accessible methodology. Renewable Energy, 2008, 33, 55-64.	4.3	44
46	Transmission Design and Analysis for Large-Scale Offshore Wind Energy Development. IEEE Power and Energy Technology Systems Journal, 2019, 6, 22-31.	3.5	44
47	Shaving residential air-conditioner electricity peaks by intelligent use of the building thermal mass. Energy, 1991, 16, 1001-1010.	4.5	41
48	Where is the ideal location for a US East Coast offshore grid?. Geophysical Research Letters, 2012, 39, .	1.5	41
49	Comparison groups on bills: Automated, personalized energy information. Energy and Buildings, 2006, 38, 988-996.	3.1	40
50	Two theories of home heat control. , 1987, , 222-242.		38
51	The challenge of integrating offshore wind power in the U.S. electric grid. Part II: Simulation of electricity market operations. Renewable Energy, 2017, 103, 418-431.	4.3	31
52	Ethics and Values in Environmental Policy: The Said and the UNCED. Environmental Values, 1993, 2, 137-157.	0.7	30
53	Tarahumara color modifiers: category structure presaging evolutionary change. American Ethnologist, 1983, 10, 133-149.	1.0	28
54	The Legacy of Twenty Years of Energy Demand Management: we know more about Individual Behaviour but next to Nothing about Demand. , 2000, , 109-126.		27

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55	Assessing the wind field over the continental shelf as a resource for electric power. <i>Journal of Marine Research</i> , 2008, 66, 751-773.	0.3	26
56	Residential hot water: A behaviorally-driven system. <i>Energy</i> , 1988, 13, 107-114.	4.5	25
57	Identity Through Stories: Story Structure and Function in Two Environmental Groups. <i>Human Organization</i> , 2000, 59, 96-105.	0.2	25
58	Cultural Models of Pfiesteria : Toward Cultivating More Appropriate Risk Perceptions. <i>Coastal Management</i> , 2000, 28, 273-285.	1.0	24
59	A comparison of two GIV mechanisms for providing ancillary services at the University of Delaware. , 2013, , .		23
60	Health and climate benefits of offshore wind facilities in the Mid-Atlantic United States. <i>Environmental Research Letters</i> , 2016, 11, 074019.	2.2	22
61	Answering behavioral questions about energy efficiency in buildings. <i>Energy</i> , 1987, 12, 339-353.	4.5	21
62	Deployment of Vehicle-to-Grid Technology and Related Issues. , 0, , .		17
63	Improving the Mapping and Prediction of Offshore Wind Resources (IMPOWR): Experimental Overview and First Results. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1377-1390.	1.7	15
64	Residential hot water energy analysis: Instruments and algorithms. <i>Energy and Buildings</i> , 1985, 8, 197-204.	3.1	13
65	European Perspectives on Global Climate Change. <i>Environment</i> , 1993, 35, 16-45.	0.8	13
66	Aggregation of V2H Systems to Participate in Regulation Market. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 668-680.	3.4	13
67	Variation in Folk Models and Consequent Behavior. <i>American Behavioral Scientist</i> , 1987, 31, 203-218.	2.3	11
68	Utility control of residential cooling: resident-perceived effects and potential program improvements. <i>Energy and Buildings</i> , 1992, 18, 201-219.	3.1	11
69	Business Models and Control and Management Architectures for EV Electrical Grid Integration. , 2013, , 87-105.		11
70	Two Theories of Home Heat Control*. , 1986, 10, 75.		11
71	Interview methods for eliciting fuzzy categories. <i>Fuzzy Sets and Systems</i> , 1984, 14, 43-64.	1.6	10
72	A comparison of electric vehicle integration projects. , 2012, , .		10

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73	Perceptions and attitudes of residents living near a wind turbine compared with those living near a coal power plant. <i>Renewable Energy</i> , 2018, 123, 301-311.	4.3	8
74	The Rhythmic Basis of Interactional Micro- Synchrony. , 1980, , 67-76.		8
75	Reply to Shirazi and Sachs comments on "Measurement of Power Loss During Electric Vehicle Charging and Discharging" <i>Energy</i> , 2018, 142, 1142-1143.	4.5	7
76	Potential role of power authorities in offshore wind power development in the US. <i>Energy Policy</i> , 2011, 39, 7025-7035.	4.2	6
77	General/Theoretical:Mental Models . Dedre Gentner and Albert L. Stevens , eds. <i>American Anthropologist</i> , 1983, 85, 1002-1004.	0.7	4
78	Run-time detection of undefined variables considered essential. <i>Software - Practice and Experience</i> , 1990, 20, 391-402.	2.5	4
79	Public Policy for Electric Vehicles and for Vehicle to GridPower*. <i>Revue D'Economie Industrielle</i> , 2014, , 263-290.	0.4	4
80	A system to make visible the structure and execution of student programs. <i>SIGCSE Bulletin</i> , 1986, 18, 313-317.	0.1	3
81	Public Policy for Electric Vehicles and for Vehicle to Grid Power. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
82	Social Markers in Speech. <i>Man; A Monthly Record of Anthropological Science</i> , 1981, 16, 155.	0.3	1
83	Comparing Devices for Concurrent Measurement of AC Current and DC Injection during Electric Vehicle Charging. <i>World Electric Vehicle Journal</i> , 2020, 11, 57.	1.6	1
84	Integrated Electric Vehicle Shunt Current Sensing System for Concurrent Revenue Metering and Detection of DC Injection. <i>Energies</i> , 2021, 14, 1193.	1.6	1
85	A Scalable Control Approach for Providing Regulation Services with Grid-Integrated Electric Vehicles. <i>Power Electronics and Power Systems</i> , 2020, , 107-128.	0.6	1
86	Marshaling ports required to meet US policy targets for offshore wind power. <i>Energy Policy</i> , 2022, 163, 112817.	4.2	1
87	: Aspects of Nonverbal Communication . Walburga von Raffler-Engel.. <i>American Anthropologist</i> , 1982, 84, 741-742.	0.7	0
88	Mixed Reaction to Protest Against Nuclear Weaponry. <i>Anthropology News</i> , 1983, 24, 2-2.	0.1	0
89	Responses to Comments by Dr. Sonja Boehmer-Christiansen on the Paper:"Global Climate Change: European Policy Makers' Views of How Science Enters the Political Process" <i>Energy and Environment</i> , 1995, 6, 256-258.	2.7	0
90	Vehicle to grid: electric vehicles as an energy storage solution. , 2013, , .		0

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91	EV Fingerprinting. , 0, , .		0