Willett M Kempton

List of Publications by Year
in descending order

91	13,094	57631	66788
papers	citations	44 h-index	78 g-index

94	94	94	8164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marshaling ports required to meet US policy targets for offshore wind power. Energy Policy, 2022, 163, 112817.	4.2	1
2	Aggregation of V2H Systems to Participate in Regulation Market. IEEE Transactions on Automation Science and Engineering, 2021, 18, 668-680.	3.4	13
3	Integrated Electric Vehicle Shunt Current Sensing System for Concurrent Revenue Metering and Detection of DC Injection. Energies, 2021, 14, 1193.	1.6	1
4	Comparing Devices for Concurrent Measurement of AC Current and DC Injection during Electric Vehicle Charging. World Electric Vehicle Journal, 2020, 11, 57.	1.6	1
5	A Scalable Control Approach for Providing Regulation Services with Grid-Integrated Electric Vehicles. Power Electronics and Power Systems, 2020, , 107-128.	0.6	1
6	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
7	The neglected social dimensions to a vehicle-to-grid (V2G) transition: a critical and systematic review. Environmental Research Letters, 2018, 13, 013001.	2.2	145
8	Reply to Shirazi and Sachs comments on â€œMeasurement of Power Loss During Electric Vehicle Charging and Dischargingâ€• Energy, 2018, 142, 1142-1143.	4.5	7
9	Perceptions and attitudes of residents living near a wind turbine compared with those living near a coal power plant. Renewable Energy, 2018, 123, 301-311.	4.3	8
10	Cost minimization of generation, storage, and new loads, comparing costs with and without externalities. Applied Energy, 2017, 189, 110-121.	5.1	45
11	Measurement of power loss during electric vehicle charging and discharging. Energy, 2017, 127, 730-742.	4.5	171
12	The challenge of integrating offshore wind power in the U.S. electric grid. Part I: Wind forecast error. Renewable Energy, 2017, 103, 346-360.	4.3	71
13	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
14	The Future Promise of Vehicle-to-Grid (V2G) Integration: A Sociotechnical Review and Research Agenda. Annual Review of Environment and Resources, 2017, 42, 377-406.	5.6	123
15	Health and climate benefits of offshore wind facilities in the Mid-Atlantic United States. Environmental Research Letters, 2016, 11, 074019.	2.2	22
16	Electric vehicles: Driving range. Nature Energy, 2016, 1, .	19.8	68
17	Improving the Mapping and Prediction of Offshore Wind Resources (IMPOWR): Experimental Overview and First Results. Bulletin of the American Meteorological Society, 2016, 97, 1377-1390.	1.7	15
18	Undergraduate Understanding of Climate Change: The Influences of College Major and Environmental Group Membership on Survey Knowledge Scores. Journal of Environmental Education, 2015, 46, 149-165.	1.0	87

#	Article	IF	Citations
19	Taming hurricanes with arrays of offshore wind turbines. Nature Climate Change, 2014, 4, 195-200.	8.1	53
20	Economic analysis of using excess renewable electricity to displace heating fuels. Applied Energy, 2014, 131, 530-543.	5.1	67
21	Willingness to pay for vehicle-to-grid (V2G) electric vehicles and their contract terms. Energy Economics, 2014, 42, 313-324.	5.6	153
22	Public Policy for Electric Vehicles and for Vehicle to GridPower*. Revue D'Economie Industrielle, 2014, , 263-290.	0.4	4
23	Vehicle to grid: electric vehicles as an energy storage solution. , 2013, , .		0
24	A comparison of two GIV mechanisms for providing ancillary services at the University of Delaware. , 2013, , .		23
25	Cost-minimized combinations of wind power, solar power and electrochemical storage, powering the grid up to 99.9% of the time. Journal of Power Sources, 2013, 225, 60-74.	4.0	430
26	Business Models and Control and Management Architectures for EV Electrical Grid Integration. , 2013, , 87-105.		11
27	Public acceptance of offshore wind power: does perceived fairness of process matter?. Journal of Environmental Planning and Management, 2012, 55, 1387-1402.	2.4	76
28	Public acceptance of offshore wind power across regions and through time. Journal of Environmental Planning and Management, 2012, 55, 1369-1386.	2.4	87
29	A comparison of electric vehicle integration projects. , 2012, , .		10
30	Where is the ideal location for a US East Coast offshore grid?. Geophysical Research Letters, 2012, 39, .	1.5	41
31	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
32	Willingness to pay for electric vehicles and their attributes. Resources and Energy Economics, 2011, 33, 686-705.	1.1	831
33	Electric vehicles: How much range is required for a dayâ€™s driving?. Transportation Research Part C: Emerging Technologies, 2011, 19, 1171-1184.	3.9	459
34	Pricing offshore wind power. Energy Policy, 2011, 39, 6408-6421.	4.2	112
35	Potential role of power authorities in offshore wind power development in the US. Energy Policy, 2011, 39, 7025-7035.	4.2	6
36	The Effect of Wind Power Installations on Coastal Tourism. Energies, 2010, 3, 1-22.	1.6	87

#	Article	IF	Citations
37	Electric power from offshore wind via synoptic-scale interconnection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7240-7245.	3.3	135
38	Public acceptance of offshore wind power projects in the USA. Wind Energy, 2009, 12, 183-202.	1.9	132
39	Assessing offshore wind resources: An accessible methodology. Renewable Energy, 2008, 33, 55-64.	4.3	44
40	Combining meteorological stations and satellite data to evaluate the offshore wind power resource of Southeastern Brazil. Renewable Energy, 2008, 33, 2375-2387.	4.3	130
41	Integration of renewable energy into the transport and electricity sectors through V2G. Energy Policy, 2008, 36, 3578-3587.	4.2	844
42	ssessing the wind field over the continental shelf as a resource for electric power. Journal of Marine Research, 2008, 66, 751-773.	0.3	26
43	Large CO2reductions via offshore wind power matched to inherent storage in energy end-uses. Geophysical Research Letters, 2007, 34, .	1.5	80
44	Public opinion about large offshore wind power: Underlying factors. Energy Policy, 2007, 35, 1584-1598.	4.2	292
45	Using fleets of electric-drive vehicles for grid support. Journal of Power Sources, 2007, 168, 459-468.	4.0	871
46	Comparison groups on bills: Automated, personalized energy information. Energy and Buildings, 2006, 38, 988-996.	3.1	40
47	Vehicle-to-grid power implementation: From stabilizing the grid to supporting large-scale renewable energy. Journal of Power Sources, 2005, 144, 280-294.	4.0	1,705
48	Vehicle-to-grid power fundamentals: Calculating capacity and net revenue. Journal of Power Sources, 2005, 144, 268-279.	4.0	1,817
49	The Offshore Wind Power Debate: Views from Cape Cod. Coastal Management, 2005, 33, 119-149.	1.0	169
50	Changes in fisheries management in Mexico: Effects of increasing scientific input and public participation. Ocean and Coastal Management, 2003, 46, 507-526.	2.0	67
51	Local Environmental Groups: A Systematic Enumeration in Two Geographical Areas*. Rural Sociology, 2001, 66, 557-578.	1.1	53
52	Identity Through Stories: Story Structure and Function in Two Environmental Groups. Human Organization, 2000, 59, 96-105.	0.2	25
53	Electric-drive vehicles for peak power in Japan. Energy Policy, 2000, 28, 9-18.	4.2	195
54	Cultural Models of Pfiesteria : Toward Cultivating More Appropriate Risk Perceptions. Coastal Management, 2000, 28, 273-285.	1.0	24

#	Article	IF	Citations
55	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
56	How the Public Views Climate Change. Environment, 1997, 39, 12-21.	0.8	102
57	Electric vehicles as a new power source for electric utilities. Transportation Research, Part D: Transport and Environment, 1997, 2, 157-175.	3.2	674
58	Responses to Comments by Dr. Sonja Boehmer-Christiansen on the Paper:â€œGlobal Climate Change: European Policy Makers' Views of How Science Enters the Political Processâ€• Energy and Environment, 1995, 6, 256-258.	2.7	0
59	The consumer's energy analysis environment. Energy Policy, 1994, 22, 857-866.	4.2	88
60	European Perspectiveson Global Climate Change. Environment, 1993, 35, 16-45.	0.8	13
61	Ethics and Values in Environmental Policy: The Said and the UNCED. Environmental Values, 1993, 2, 137-157.	0.7	30
62	Psychological research for the new energy problems: Strategies and opportunities.. American Psychologist, 1992, 47, 1213-1223.	3.8	81
63	â€œI always turn it on superâ€• user decisions about when and how to operate room air conditioners. Energy and Buildings, 1992, 18, 177-191.	3.1	74
64	Utility control of residential cooling: resident-perceived effects and potential program improvements. Energy and Buildings, 1992, 18, 201-219.	3.1	11
65	Lay perspectives on global climate change1. Global Environmental Change, 1991, 1, 183-208.	3.6	216
66	Shaving residential air-conditioner electricity peaks by intelligent use of the building thermal mass. Energy, 1991, 16, 1001-1010.	4.5	41
67	Public understanding of global warming. Society and Natural Resources, 1991, 4, 331-345.	0.9	55
68	Run-time detection of undefined variables considered essential. Software - Practice and Experience, 1990, 20, 391-402.	2.5	4
69	Residential hot water: A behaviorally-driven system. Energy, 1988, 13, 107-114.	4.5	25
70	Variation in Folk Models and Consequent Behavior. American Behavioral Scientist, 1987, 31, 203-218.	2.3	11
71	Two theories of home heat control. , 1987, , 222-242.		38
72	Answering behavioral questions about energy efficiency in buildings. Energy, 1987, 12, 339-353.	4.5	21

#	Article	IF	Citations
73	A system to make visible the structure and execution of student programs. SIGCSE Bulletin, 1986, 18, 313-317.	0.1	3
74	Two Theories of Home Heat Control*. Cognitive Science, 1986, 10, 75-90.	0.8	220
75	The Effectiveness of Incentives for Residential Energy Conservation. Evaluation Review, 1986, 10, 147-176.	0.4	160
76	Two Theories of Home Heat Control*. , 1986, 10, 75.		11
77	Residential hot water energy analysis: Instruments and algorithms. Energy and Buildings, 1985, 8, 197-204.	3.1	13
78	Chapter 6: Do Consumers Know "What Works" in Energy Conservation?. Marriage and Family Review, 1985, 9, 115-133.	0.7	55
79	Interview methods for eliciting fuzzy categories. Fuzzy Sets and Systems, 1984, 14, 43-64.	1.6	10
80	What Is the Sapir-Whorf Hypothesis?. American Anthropologist, 1984, 86, 65-79.	0.7	796
81	Mixed Reaction to Protest Against Nuclear Weaponry. Anthropology News, 1983, 24, 2-2.	0.1	0
82	Tarahumara color modifiers: category structure presaging evolutionary change. American Ethnologist, 1983, 10, 133-149.	1.0	28
83	General/Theoretical:Mental Models . Dedre Gentner and Albert L. Stevens , eds. American Anthropologist, 1983, 85, 1002-1004.	0.7	4
84	: Aspects of Nonverbal Communication . Walburga von Raffler-Engel.. American Anthropologist, 1982, 84, 741-742.	0.7	0
85	Folk quantification of energy. Energy, 1982, 7, 817-827.	4.5	155
86	Social Markers in Speech. Man; A Monthly Record of Anthropological Science, 1981, 16, 155.	0.3	1
87	The Rhythmic Basis of Interactional Micro- Synchrony. , 1980, , 67-76.		8
88	Category grading and taxonomic relations: a mug is a sort of a cup. American Ethnologist, 1978, 5, 44-65.	1.0	56
89	Deployment of Vehicle-to-Grid Technology and Related Issues. , 0, , .		17
90	EV Fingerprinting. , 0, , .		0

#	Article	IF	Citations
91	Public Policy for Electric Vehicles and for Vehicle to Grid Power. SSRN Electronic Journal, 0, , .	0.4	2