Christof Weinhardt

List of Publications by Year
in descending order

113 papers	5,015 citations	212478 28 h-index	111975 67 g-index
124 all docs	124 docs citations	124 times ranked	4961 citing authors

#	Article	IF	Citations
1	Corporate Digital Responsibility. Business and Information Systems Engineering, 2022, 64, 127-132.	4.0	20
2	Evaluation of an interactive visualization tool to increase energy literacy in the building sector. Energy and Buildings, 2022, 266, 112116.	3.1	3
3	Evaluating the impact of regulation on the path of electrification in Citizen Energy Communities with prosumer investment. Applied Energy, 2022, 319, 119241.	5.1	9
4	Carbon efficient smart charging using forecasts of marginal emission factors. Journal of Cleaner Production, 2021, 284, 124766.	4.6	36
5	Reinforcement learning in local energy markets. Energy Informatics, 2021, 4, .	1.4	8
6	Probabilistic Forecasting of Household Loads. , 2021, , .		3
7	Welcome to Economies in IS!. Business and Information Systems Engineering, 2021, 63, 325-328.	4.0	1
8	Decision support and strategies for the electrification of commercial fleets. Transportation Research, Part D: Transport and Environment, 2021, 97, 102894.	3.2	11
9	Local energy markets - an IT-architecture design. Energy Informatics, 2021, 4, .	1.4	2
10	Resilient Digital Twins. Business and Information Systems Engineering, 2021, 63, 615-619.	4.0	13
11	A sharing economy for residential communities with PV-coupled battery storage: Benefits, pricing and participant matching. Applied Energy, 2021, 301, 117351.	5.1	34
12	Evaluating the importance and impact of user behavior on public destination charging of electric vehicles. Applied Energy, 2020, 258, 114061.	5.1	35
13	Citizen Science in Information Systems Research. Business and Information Systems Engineering, 2020, 62, 273-277.	4.0	10
14	Blockchain-based local energy markets: Decentralized trading on single-board computers. Energy Systems, 2020, 12, 603.	1.8	11
15	Data analytics in the electricity sector â€" A quantitative and qualitative literature review. Energy and AI, 2020, 1, 100009.	5.8	37
16	Research in the Attention Economy. Business and Information Systems Engineering, 2020, 62, 83-85.	4.0	4
17	Probabilistic forecasts of time and energy flexibility in battery electric vehicle charging. Applied Energy, 2020, 262, 114525.	5.1	55
18	An operational strategy for district heating networks: application of data-driven heat load forecasts. Energy Informatics, 2020, 3, .	1.4	4

#	Article	IF	Citations
19	Shopping in Virtual Reality Stores: The Influence of Immersion on System Adoption. Journal of Management Information Systems, 2019, 36, 755-788.	2.1	97
20	How far along are Local Energy Markets in the DACH+ Region?. , 2019, , .		27
21	Development and real-world application of a taxonomy for business models in local energy markets. Applied Energy, 2019, 256, 113913.	5.1	20
22	Transmission Grid Congestion Data and Directions for Future Research. , 2019, , .		4
23	Big Digital Platforms. Business and Information Systems Engineering, 2019, 61, 645-648.	4.0	38
24	Design of a microgrid local energy market on a blockchain-based information system. IT - Information Technology, 2019, 61, 87-99.	0.6	17
25	Tracing local energy markets: A literature review. IT - Information Technology, 2019, 61, 101-110.	0.6	22
26	Introducing Registered Reports to the Information Systems Community. Business and Information Systems Engineering, 2019, 61, 381-384.	4.0	2
27	Moderators for Partition Dependence in Prediction Markets. Group Decision and Negotiation, 2019, 28, 723-756.	2.0	0
28	The value of local electricity - A choice experiment among German residential customers. Energy Policy, 2019, 130, 294-303.	4.2	67
29	Blind Spots in Business and Information Systems Engineering. Business and Information Systems Engineering, 2019, 61, 133-135.	4.0	8
30	Vote for your energy: a market mechanism for local energy markets based on the consumersâ€™ preferences. , 2019, , .		7
31	Quo Vadis Smart Charging? A Literature Review and Expert Survey on Technical Potentials and User Acceptance of Smart Charging Systems. World Electric Vehicle Journal, 2019, 10, 85.	1.6	11
32	Portfolio Design of a Demand Response Aggregator With Satisficing Consumers. IEEE Transactions on Smart Grid, 2019, 10, 2475-2484.	6.2	32
33	Enabling crowdsensing-based road condition monitoring service by intermediary. Electronic Markets, 2019, 29, 125-140.	4.4	12
34	Delphi-MÃ¤rkte. , 2019, , 125-148.		0
35	Designing a robo-advisor for risk-averse, low-budget consumers. Electronic Markets, 2018, 28, 367-380.	4.4	105
36	Designing microgrid energy markets. Applied Energy, 2018, 210, 870-880.	5.1	1,110

#	ARTICLE	IF	CITATIONS
37	Efficiently solving DSM problems: Are we there yet?. Computer Science - Research and Development, 2018, 33, 117-126.	2.7	1
38	A blockchain-based smart grid: towards sustainable local energy markets. Computer Science - Research and Development, 2018, 33, 207-214.	2.7	567
39	Portfolio and contract design for demand response resources. European Journal of Operational Research, 2018, 266, 340-353.	3.5	24
40	Liberalized Markets for Power Transmission Capacity. , 2018, , .		1
41	Increasing the efficiency of local energy markets through residential demand response. Energy Informatics, 2018, 1, .	1.4	37
42	Waiting for the sun - can temporal flexibility in BEV charging avoid carbon emissions?. Energy Informatics, 2018, 1, .	1.4	8
43	Quantifying Factors for Participation in Local Electricity Markets. , 2018, , .		13
44	How Corporate Sharewashing Practices Undermine Consumer Trust. Sustainability, 2018, 10, 2638.	1.6	18
45	SCiBER. , 2018, , .		7
46	Analyzing prediction market trading behaviour to select Delphi-experts. Foresight, 2018, 20, 364-374.	1.2	4
47	Maturity of Blockchain Technology in Local Electricity Markets. , 2018, , .		15
48	Are Consumption Tariffs Still Up-to-Date? an Operationalized Assessment of Grid Fees. , 2018, , .		1
49	A decentralized approach towards resolving transmission grid congestion in Germany using vehicle-to-grid technology. Applied Energy, 2018, 230, 1435-1446.	5.1	53
50	Using vehicle-to-grid concepts to balance redispatch needs. , 2018, , .		3
51	The Impact of Dynamic Feedback and Personal Budgets on Arousal and Funding Behaviour in Participatory Budgeting. Group Decision and Negotiation, 2018, 27, 611-636.	2.0	5
52	Clustering Household Preferences in Local Electricity Markets. , 2018, , .		7
53	Intelligent Agent Strategies for Residential Customers in Local Electricity Markets. , 2018, , .		20
54	Modeling and Valuation of Residential Demand Flexibility for Renewable Energy Integration. IEEE Transactions on Smart Grid, 2017, 8, 2565-2574.	6.2	96

#	ARTICLE	IF	CITATIONS
55	Morphological analysis of energy services: Paving the way to quality differentiation in the power sector. Energy Policy, 2017, 106, 614-624.	4.2	20
56	Trading on local energy markets: A comparison of market designs and bidding strategies. , 2017, , .		94
57	Analysis of redispatch and transmission capacity pricing on a local electricity market setup. , 2017, , .		5
58	Electricity and telecommunication markets: A discussion of market designs. , 2017, , .		1
59	The digital transformation and smart data analytics: An overview of enabling developments and application areas. , 2016, , .		19
60	Selecting Physiological Features for Predicting Bidding Behavior in Electronic Auctions. , 2016, , .		2
61	Decisions in Mobility Service Networks -- Coordinating Demand and Supply Using a Mechanism Design Approach. , 2016, , .		4
62	Think, feel, bid: the impact of environmental conditions on the role of bidders' cognitive and affective processes in auction bidding. Electronic Markets, 2016, 26, 339-355.	4.4	12
63	Pricing of demand flexibility: Exploring the impact of Electric Vehicle customer diversity. , 2016, , .		3
64	Public acceptance and preferences related to renewable energy and grid expansion policy: Empirical insights for Germany. Energy, 2016, 114, 465-477.	4.5	202
65	Emotion regulation and behavior in an individual decision trading experiment: Insights from psychophysiology.. Journal of Neuroscience, Psychology, and Economics, 2015, 8, 186-202.	0.4	3
66	Economics and Value of IS. Business and Information Systems Engineering, 2015, 57, 295-297.	4.0	1
67	The Impact of customizable Market Interfaces on Trading Performance. Electronic Markets, 2015, 25, 325-334.	4.4	8
68	How (not) to Incent Crowd Workers. Business and Information Systems Engineering, 2015, 57, 167-179.	4.0	25
69	Politically Motivated Taxes in Financial Markets: The Case of the French Financial Transaction Tax. Journal of Financial Services Research, 2015, 47, 177-202.	0.6	25
70	Improving Electric Vehicle Charging Coordination Through Area Pricing. Transportation Science, 2014, 48, 619-634.	2.6	69
71	Energy Informatics. Business and Information Systems Engineering, 2014, 6, 25-31.	4.0	55
72	Charging Strategies for Battery Electric Vehicles: Economic Benchmark and V2G Potential. IEEE Transactions on Power Systems, 2014, 29, 2014-2022.	4.6	86

#	ARTICLE	IF	CITATIONS
73	(Un)skilled leveraged trading of retail investors. Financial Markets and Portfolio Management, 2014, 28, 111-138.	0.8	13
74	Integrating Biosignals into Information Systems: A NeuroIS Tool for Improving Emotion Regulation. Journal of Management Information Systems, 2013, 30, 247-278.	2.1	91
75	Market-Based EV Charging Coordination. , 2013, , .		5
76	Excitement Up! Price Down! Measuring Emotions in Dutch Auctions. International Journal of Electronic Commerce, 2012, 17, 7-40.	1.4	50
77	Public information in fragmented markets. Financial Markets and Portfolio Management, 2012, 26, 179-215.	0.8	11
78	Internet der Energie. Business & Information Systems Engineering, 2012, 54, 1-2.	0.5	2
79	Internet of Energy. Business and Information Systems Engineering, 2012, 4, 1-2.	4.0	16
80	HOW TO PAY TRADERS IN INFORMATION MARKETS: RESULTS FROM A FIELD EXPERIMENT. The Journal of Prediction Markets, 2012, 1, 147-156.	0.1	23
81	LONG-TERM FORECASTING WITH PREDICTION MARKETS â€" A FIELD EXPERIMENT ON APPLICABILITY AND EXPERT CONFIDENCE. The Journal of Prediction Markets, 2012, 2, 71-91.	0.1	11
82	Economic benchmark of charging strategies for battery electric vehicles. , 2011, , .		17
83	Demand side managementâ€"A simulation of household behavior under variable prices. Energy Policy, 2011, 39, 8163-8174.	4.2	385
84	Understanding auction fever: a framework for emotional bidding. Electronic Markets, 2011, 21, 197-207.	4.4	45
85	Fraud detection in play-money prediction markets. Information Systems and E-Business Management, 2010, 8, 395-413.	2.2	5
86	Automated bidding in computational markets: an application in market-based allocation of computing services. Autonomous Agents and Multi-Agent Systems, 2010, 21, 115-142.	1.3	6
87	Developments in GDN Research: Introduction. Group Decision and Negotiation, 2010, 19, 107-109.	2.0	3
88	Market-based pricing in grids: On strategic manipulation and computational cost. European Journal of Operational Research, 2010, 203, 464-475.	3.5	26
89	Prediction markets for foresight. Futures, 2010, 42, 394-404.	1.4	22
90	How to Coordinate Value Generation in Service Networks. Business and Information Systems Engineering, 2009, 1, 343-356.	4.0	21

#	Article	IF	Citations
91	Cloud Computing â€" A Classification, Business Models, and Research Directions. Business and Information Systems Engineering, 2009, 1, 391-399.	4.0	308
92	Editorial 6/2009: BISEâ€™s Responsibility in Service Research. Business and Information Systems Engineering, 2009, 1, 405-407.	4.0	2
93	Business Models in the Service World. IT Professional, 2009, 11, 28-33.	1.4	136
94	Trading grid services â€" a multi-attribute combinatorial approach. European Journal of Operational Research, 2008, 187, 943-961.	3.5	94
95	A Framework for Commercial Gridsâ€"Economic and Technical Challenges. Journal of Grid Computing, 2008, 6, 325-347.	2.5	26
96	Semantic specification and evaluation of bids in web-based markets. Electronic Commerce Research and Applications, 2008, 7, 313-329.	2.5	4
97	Collaborative Continuous Service Engineering: A Case Study in a FinancialÂ Service Environment. , 2008, , .		0
98	Planning and Pricing of Service Mashups. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	10
99	On Comparison of Mechanisms of Economic and Social Exchanges: The Times Model. , 2008, , 16-43.		7
100	Second-Best Combinatorial Auctions - The Case of the Pricing-Per-Column Mechanism. , 2007, , .		2
101	Enterprise, applications and services in the finance industry. Information Systems and E-Business Management, 2007, 5, 139-141.	2.2	1
102	Using Blueprints for Engineering Electronic Market Services. , 2006, , .		0
103	A Descriptive Auction Language. Electronic Markets, 2006, 16, 51-62.	4.4	14
104	Interview with Hal R. Varian on â€œInterdisciplinary Research in Information Systemsâ€œ. Business & Information Systems Engineering, 2005, 47, 66-67.	0.5	1
105	Electronic Negotiations â€" A Generic Approach with Action Systems. Lecture Notes in Computer Science, 2004, , 135-143.	1.0	5
106	A Minimal Market Model in Ephemeral Markets. Lecture Notes in Computer Science, 2004, , 86-100.	1.0	4
107	Electronic Negotiations: Foundations, Systems and Experiments â€" Introduction to the Special Issue. Group Decision and Negotiation, 2003, 12, 85-88.	2.0	3
108	The Montreal Taxonomy for Electronic Negotiations. Group Decision and Negotiation, 2003, 12, 143-164.	2.0	117

#	Article	IF	Citations
109	Title is missing!. Group Decision and Negotiation, 2003, 12, 265-267.	2.0	0
110	Management decision support using long-term market simulation. Information Systems and E-Business Management, 2003, 1, 405-423.	2.2	9
111	Multi-Dimensional Matchmaking for Electronic Markets. Applied Artificial Intelligence, 2002, 16, 853-869.	2.0	11
112	Live Biofeedback as a User Interface Design Element: A Review of the Literature. Communications of the Association for Information Systems, 0, , 257-296.	0.7	14
113	An Online Mechanism for Incorporating Demand Side Flexibility into the Smart Grid. SSRN Electronic Journal, 0, , .	0.4	0