Katrin Arning

List of Publications by Year
in descending order

52 papers	1,236 citations	430754 18 h-index	414303 32 g-index
54 all docs	54 docs citations	54 times ranked	814 citing authors

#	Article	IF	Citations
1	Understanding age differences in PDA acceptance and performance. Computers in Human Behavior, 2007, 23, 2904-2927.	5.1	261
2	Same or different? Insights on public perception and acceptance of carbon capture and storage or utilization in Germany. Energy Policy, 2019, 125, 235-249.	4.2	88
3	Different Perspectives on Technology Acceptance: The Role of Technology Type and Age. Lecture Notes in Computer Science, 2009, , 20-41.	1.0	76
4	Effects of age, cognitive, and personal factors on PDA menu navigation performance. Behaviour and Information Technology, 2009, 28, 251-268.	2.5	73
5	Reduce, reuse, recycle: Acceptance of CO$_2$-utilization for plastic products. Energy Policy, 2017, 105, 53-66.	4.2	68
6	Risk-benefit perceptions and public acceptance of Carbon Capture and Utilization. Environmental Innovation and Societal Transitions, 2020, 35, 292-308.	2.5	61
7	Uncovering attitudes towards carbon capture storage and utilization technologies in Germany: Insights into affective-cognitive evaluations of benefits and risks. Energy Research and Social Science, 2019, 48, 205-218.	3.0	43
8	What fuels the adoption of alternative fuels? Examining preferences of German car drivers for fuel innovations. Applied Energy, 2019, 249, 222-236.	5.1	38
9	Barriers of Information Access in Small Screen Device Applications: The Relevance of User Characteristics for a Transgenerational Design. , 2007, , 117-136.		34
10	Acceptance profiles for a carbon-derived foam mattress. Exploring and segmenting consumer perceptions of a carbon capture and utilization product. Journal of Cleaner Production, 2018, 188, 171-184.	4.6	30
11	Differences between Laypersons and Experts in Perceptions and Acceptance of CO2-utilization for Plastics Production. Energy Procedia, 2017, 114, 7212-7223.	1.8	27
12	Health Concerns Versus Mobile Data Needs: Conjoint Measurement of Preferences for Mobile Communication Network Scenarios. Human and Ecological Risk Assessment (HERA), 2014, 20, 1359-1384.	1.7	26
13	Trust and Distrust in Carbon Capture and Utilization Industry as Relevant Factors for the Acceptance of Carbon-Based Products. Frontiers in Energy Research, 2018, 6, .	1.2	26
14	Risk Perception and Acceptance of CDU Consumer Products in Germany. Energy Procedia, 2017, 114, 7186-7196.	1.8	25
15	â€œGet that Camera Out of My House!â€•Conjoint Measurement of Preferences for Video-Based Healthcare Monitoring Systems in Private and Public Places. Lecture Notes in Computer Science, 2015, , 152-164.	1.0	25
16	Assessing public acceptance of the life cycle of CO2-based fuels: Does information make the difference?. Energy Policy, 2020, 143, 111586.	4.2	25
17	Development and validation of a computer expertise questionnaire for older adults. Behaviour and Information Technology, 2008, 27, 89-93.	2.5	23
18	â€œSame Same but Differentâ€•How Service Contexts of Mobile Technologies Shape Usage Motives and Barriers. Lecture Notes in Computer Science, 2010, , 34-54.	1.0	23

#	Article	IF	Citations
19	Extending the engineering trade-off analysis by integrating user preferences in conjoint analysis. Expert Systems With Applications, 2013, 40, 2947-2955.	4.4	22
20	No pipes in my backyard?. Energy Research and Social Science, 2016, 14, 90-101.	3.0	20
21	Insights into user experiences and acceptance of mobile indoor navigation devices. , 2012, , .		18
22	Defenders of Diesel: Anti-decarbonisation efforts and the pro-diesel protest movement in Germany. Energy Research and Social Science, 2020, 63, 101410.	3.0	17
23	Acceptance of energy technologies in context: Comparing laypeople's risk perceptions across eight infrastructure technologies in Germany. Energy Policy, 2021, 152, 112071.	4.2	15
24	Ask and You Will Receive. International Journal of Mobile Human Computer Interaction, 2010, 2, 21-47.	0.1	14
25	Reversed effects of spatial compatibility in natural scenes. American Journal of Psychology, 2009, 122, 325-36.	0.5	14
26	From Living Space to Urban Quarter: Acceptance of ICT Monitoring Solutions in an Ageing Society. Lecture Notes in Computer Science, 2013, , 49-58.	1.0	13
27	Join the Ride! User Requirements and Interface Design Guidelines for a Commuter Carpooling Platform. Lecture Notes in Computer Science, 2013, , 10-19.	1.0	12
28	â€œHow Fear of Crime Affects Needs for Privacy & Safetyâ€• Acceptance of Surveillance Technologies in Smart Cities. , 2016, , .		12
29	ProFi. , 2013, , .		11
30	Risk Assessment Regarding Perceived Toxicity and Acceptance of Carbon Dioxide-Based Fuel by Laypeople for Its Use in Road Traffic and Aviation. Frontiers in Energy Research, 2020, 8, .	1.2	10
31	More green or less black ? How benefit perceptions of CO2 reductions vs. fossil resource savings shape the acceptance of CO2-based fuels and their conversion technology. Energy and Climate Change, 2021, 2, 100025.	2.2	9
32	Safety and Privacy Perceptions in Public Spaces: An Empirical Study on User Requirements for City Mobility. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 97-103.	0.2	9
33	Evaluation of a Mobile Projector-Based Indoor Navigation Interface. Interacting With Computers, 2014, 26, 595-613.	1.0	8
34	Influence of temporal delay and display update rate in an augmented reality application scenario. , 2015, , .		7
35	Two Sides of the Same Coinâ€"Explaining the Acceptance of CO2-Based Fuels for Aviation Using PLS-SEM by Considering the Production and Product Evaluation. Frontiers in Energy Research, 0, 9, .	1.2	6
36	The Social Acceptance Factors for Insulation Boards Produced With CO2-Derived Foam. Frontiers in Energy Research, 2021, 9, .	1.2	5

#	Article	IF	Citations
37	You Can(â€™t) Teach an Old Dog New Tricks: Analyzing the Learnability of Manufacturing Software Systems in Older Users. Lecture Notes in Computer Science, 2016, , 277-288.	1.0	5
38	The Good, the Bad and the Ugly: Affect and its Role for Renewable Energy Acceptance. , 2018, , .		4
39	Modelling User Acceptance of Wireless Medical Technologies. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 146-153.	0.2	3
40	Does Size Matter? Investigating Laypeoplesâ€™ Preferences for Roll-out Scenarios of Alternative Fuel Production Plants. , 2019, , .		3
41	Privacy issues in smart cities: Insights into citizensâ€™ perspectives toward safe mobility in urban environments. , 2019, , 275-292.		2
42	All Eyes on You! Impact of Location, Camera Type, and Privacy-Security-Trade-off on the Acceptance of Surveillance Technologies. Communications in Computer and Information Science, 2019, , 131-149.	0.4	2
43	Pitfalls when Placing Electricity Pylons - The Influence of Age on Acceptance. Lecture Notes in Computer Science, 2015, , 282-293.	1.0	2
44	Where, Wherefore, and How? - Contrasting Two Surveillance Contexts According to Acceptance. , 2017, , .		2
45	Identifying the â€œDoâ€™sâ€•and â€œDonâ€™tsâ€•for a Trust-Building CCU Product Label. , 2019, , .		2
46	Eliciting User Requirements and Acceptance for Customizing Mobile Device System Architecture. Lecture Notes in Computer Science, 2013, , 439-448.	1.0	2
47	Age-Related Differences in Critical Driving Situations: The Influence of Dual-Task Situations, S-R Compatibility and Driving Expertise. , 2013, , 279-297.		1
48	Harmful or Beneficial to Humans and the Environment? An Empirical Study on the Social Acceptance and Risk Perception of CO_2-Based Fuels. Frontiers in Environmental Science, 0, 10, .	1.5	1
49	Participatory Design in the Development of a Smart Pedestrian Mobility Device for Urban Spaces. Lecture Notes in Computer Science, 2017, , 753-772.	1.0	0
50	Making CCU Visible: Investigating Laypeopleâ€™s Requirements for a Trusted, Informative CCU Label. Communications in Computer and Information Science, 2021, , 40-64.	0.4	0
51	Understanding Age-Related Differences in Privacy-Safety Decisions: Acceptance of Crime Surveillance Technologies in Urban Environments. Lecture Notes in Computer Science, 2016, , 253-265.	1.0	0
52	Ask and You Will Receive. , 0, , 20-47.		0