

Catherine Holloway

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1361847/publications.pdf>

Version: 2024-02-01

63
papers

635
citations

687363

13
h-index

839539

18
g-index

64
all docs

64
docs citations

64
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Statically vs dynamically balanced gait: Analysis of a robotic exoskeleton compared with a human. , 2015, 2015, 6728-31.		63
2	The Effect of Transport Accessibility on the Social Inclusion of Wheelchair Users: A Mixed Method Analysis. Social Inclusion, 2016, 4, 24-35.	0.9	37
3	Effect of vertical step height on boarding and alighting time of train passengers. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 1234-1241.	2.0	29
4	Intersections Between Systems Thinking and Market Shaping for Assistive Technology: The SMART (Systems-Market for Assistive and Related Technologies) Thinking Matrix. International Journal of Environmental Research and Public Health, 2018, 15, 2627.	2.6	27
5	Train design features affecting boarding and alighting of passengers. Journal of Advanced Transportation, 2016, 50, 2077-2088.	1.7	25
6	Impact of Platform Edge Doors on Passengersâ€™ Boarding and Alighting Time and Platform Behavior. Transportation Research Record, 2016, 2540, 102-110.	1.9	25
7	Disrupting the world of Disability: The Next Generation of Assistive Technologies and Rehabilitation Practices. Healthcare Technology Letters, 2016, 3, 254-256.	3.3	24
8	Exploring the pedestrian level of interaction on platform conflict areas at metro stations by real-scale laboratory experiments. Transportation Planning and Technology, 2017, 40, 100-118.	2.0	22
9	Assistive Technology Use and Provision During COVID-19: Results From a Rapid Global Survey. International Journal of Health Policy and Management, 2020, , .	0.9	21
10	Comparing shared control approaches for alternative interfaces: A wheelchair simulator experiment. , 2017, , .		18
11	Preparatory planning framework for Created Out of Mind: Shaping perceptions of dementia through art and science. Wellcome Open Research, 2017, 2, 108.	1.8	18
12	The effect of liner design and materials selection on prosthesis interface heat dissipation. Prosthetics and Orthotics International, 2018, 42, 275-279.	1.0	17
13	A micro-level approach to measuring the accessibility of footways for wheelchair users using the Capability Model. Transportation Planning and Technology, 2013, 36, 636-649.	2.0	16
14	The Digital and Assistive Technologies for Ageing initiative: learning from the GATE initiative. The Lancet Healthy Longevity, 2020, 1, e94-e95.	4.6	16
15	Navigational cue effects in Alzheimer's disease and posterior cortical atrophy. Annals of Clinical and Translational Neurology, 2018, 5, 697-709.	3.7	15
16	Value beyond function: analyzing the perception of wheelchair innovations in Kenya. , 2020, , .		13
17	"But, I Don't Want/Need a Power Wheelchair". , 2017, , .		12
18	COVID-19 as social disability: the opportunity of social empathy for empowerment. BMJ Global Health, 2020, 5, e003039.	4.7	12

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19	Innovative strategies for urban car-sharing systems and a simulator to assess their performance. <i>Transportation Planning and Technology</i> , 2015, 38, 375-391.	2.0	11
20	Detection and localisation of hesitant steps in people with Alzheimer's disease navigating routes of varying complexity. <i>Healthcare Technology Letters</i> , 2019, 6, 42-47.	3.3	11
21	Developing inclusive and resilient systems: COVID-19 and assistive technology. <i>Disability and Society</i> , 2021, 36, 151-154.	2.2	11
22	“Give Us the Chance to Be Part of You, We Want Our Voices to Be Heard” Assistive Technology as a Mediator of Participation in (Formal and Informal) Citizenship Activities for Persons with Disabilities Who Are Slum Dwellers in Freetown, Sierra Leone. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5547.	2.6	10
23	Could Assistive Technology Provision Models Help Pave the Way for More Environmentally Sustainable Models of Product Design, Manufacture and Service in a Post-COVID World?. <i>Sustainability</i> , 2021, 13, 10867.	3.2	10
24	A comparison between smartphone sensors and bespoke sensor devices for wheelchair accessibility studies. , 2015, , .		9
25	Street rehab: Linking accessibility and rehabilitation. , 2016, 2016, 3167-3170.		9
26	Characterisation of rollator use using inertial sensors. <i>Healthcare Technology Letters</i> , 2016, 3, 303-309.	3.3	9
27	A pilot study towards long-term thermal comfort research for lower-limb prosthesis wearers. <i>Prosthetics and Orthotics International</i> , 2019, 43, 47-54.	1.0	9
28	From HRI to CRI: Crowd Robot Interaction – Understanding the Effect of Robots on Crowd Motion. <i>International Journal of Social Robotics</i> , 2022, 14, 631-643.	4.6	9
29	Estimating need and coverage for five priority assistive products: a systematic review of global population-based research. <i>BMJ Global Health</i> , 2022, 7, e007662.	4.7	9
30	Measuring assistive technology supply and demand: A scoping review. <i>Assistive Technology</i> , 2021, 33, S35-S49.	2.0	9
31	Combined Effect of Platform Edge Doors and Level Access on Boarding and Alighting Process in London Underground. <i>Transportation Research Record</i> , 2017, 2648, 60-67.	1.9	8
32	Use of a Low-Cost, Chest-Mounted Accelerometer to Evaluate Transfer Skills of Wheelchair Users During Everyday Activities: Observational Study. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2018, 5, e11748.	2.2	8
33	A review of innovation strategies and processes to improve access to AT: Looking ahead to open innovation ecosystems. <i>Assistive Technology</i> , 2021, 33, 68-86.	2.0	8
34	Understanding Interactions for Smart Wheelchair Navigation in Crowds. , 2022, , .		8
35	Introduction to the companion papers to the global report on assistive technology. <i>Assistive Technology</i> , 2021, 33, 1-2.	2.0	7
36	Time and force required for attendants boarding wheelchair users onto aircraft. <i>International Journal of Industrial Ergonomics</i> , 2015, 48, 167-173.	2.6	6

#	ARTICLE	IF	CITATIONS
37	Understanding independent wheelchair transfers. Perspectives from stakeholders. Disability and Rehabilitation: Assistive Technology, 2020, 15, 545-552.	2.2	6
38	Neuroergonomic Assessment of Wheelchair Control Using Mobile fNIRS. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1488-1496.	4.9	6
39	Effect of technique and transfer board use on the performance of wheelchair transfers. Healthcare Technology Letters, 2018, 5, 76-80.	3.3	5
40	Adjusted method to calculate an electric wheelchair power cycle: fuel cell implementation example. Journal of Energy Storage, 2019, 23, 371-380.	8.1	5
41	An investigation of factors affecting the performance of wheelchair transfers. Disability and Rehabilitation: Assistive Technology, 2019, 14, 479-488.	2.2	5
42	The ultimate wearable. , 2016, , .		4
43	A systematic review: the influence of real time feedback on wheelchair propulsion biomechanics. Disability and Rehabilitation: Assistive Technology, 2018, 13, 47-53.	2.2	4
44	â€œThis Is the Story of Community Leadership with Political Backing. (PM1)â€•Critical Junctures in Paralympic Legacy: Framing the London 2012 Disability Inclusion Model for New Global Challenges. Sustainability, 2021, 13, 9253.	3.2	4
45	The lived experience of people with upper limb absence living in Uganda: A qualitative study. African Journal of Disability, 0, 11, .	1.6	4
46	Propelling load of an attendant propelled wheelchair in ascending and descending. Journal of Biomechanical Science and Engineering, 2015, 10, 14-00439-14-00439.	0.3	3
47	Characterization of Bespoke Force Sensors for Tailored Applications. IEEE Sensors Journal, 2017, 17, 1727-1734.	4.7	3
48	Towards a Wearable Wheelchair Monitor: Classification of Push Style Based on Inertial Sensors at Multiple Upper Limb Locations. , 2018, , .		3
49	O4-03-06: Effects of cortical visual impairment on navigational ability in posterior cortical atrophy and typical Alzheimer's disease. , 2015, 11, P274-P274.		2
50	Critical Junctures in Assistive Technology and Disability Inclusion. Sustainability, 2021, 13, 12744.	3.2	2
51	Load on Shoulder and Elbow Joints During Autonomous Hand-Cycling. Journal of Biomechanical Science and Engineering, 2011, 6, 236-247.	0.3	1
52	Senswheel: an adjunct to wheelchair skills training. Healthcare Technology Letters, 2016, 3, 269-272.	3.3	1
53	A basic study on temporal parameter estimation of wheelchair propulsion based on measurement of upper limb movements using inertial sensors. , 2016, , .		1
54	AART-BC: A sensor system for monitoring Assistive Technology use beyond the clinic. , 2016, 2016, 3151-3154.		1

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55	Does the setting matter? Observing wheelchair transfers across different environmental conditions. <i>Assistive Technology</i> , 2020, , 1-8.	2.0	1
56	Powered attendant-propelled wheelchair with assist-as-needed control based on individual physical capabilities. <i>Journal of Biomechanical Science and Engineering</i> , 2021, 16, .	0.3	1
57	A Cross-Sectional Study Using Wireless Electrocardiogram to Investigate Physical Workload of Wheelchair Control in Real World Environments. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 14-25.	0.6	1
58	Disability Interactions: Creating Inclusive Innovations. <i>Synthesis Lectures on Human-Centered Informatics</i> , 2021, 14, i-198.	0.5	1
59	Editorial. <i>Healthcare Technology Letters</i> , 2016, 3, 253-253.	3.3	0
60	Towards a Sensor-based System for Assessing and Monitoring Powered Mobility Skills in Children. , 2017, , .		0
61	Mapping Spatiotemporal Patterns of Disabled People: The Case of the St. Jude's Storm Emergency. <i>Advances in Geographic Information Science</i> , 2017, , 97-113.	0.6	0
62	STEP-UP: Enabling Low-Cost IMU Sensors to Predict the Type of Dementia During Everyday Stair Climbing. <i>Frontiers in Computer Science</i> , 2022, 3, .	2.8	0
63	Evaluating the use of a thermoplastic socket in Kenya: A pilot study. <i>Prosthetics and Orthotics International</i> , 2022, Publish Ahead of Print, .	1.0	0