

Clive D'Souza

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

560
citations

759233

12
h-index

713466

21
g-index

62
all docs

62
docs citations

62
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	A narrative review on contemporary and emerging uses of inertial sensing in occupational ergonomics. <i>International Journal of Industrial Ergonomics</i> , 2020, 76, 102937.	2.6	67
2	Creep and Fatigue Development in the Low Back in Static Flexion. <i>Spine</i> , 2009, 34, 1873-1878.	2.0	66
3	Wearable inertial sensors for human movement analysis: a five-year update. <i>Expert Review of Medical Devices</i> , 2021, 18, 79-94.	2.8	48
4	Effects of transit bus interior configuration on performance of wheeled mobility users during simulated boarding and disembarking. <i>Applied Ergonomics</i> , 2017, 62, 94-106.	3.1	28
5	Statistical prediction of load carriage mode and magnitude from inertial sensor derived gait kinematics. <i>Applied Ergonomics</i> , 2019, 76, 1-11.	3.1	28
6	Processes and challenges associated with informal electronic waste recycling at Agbogbloshie, a suburb of Accra, Ghana. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 938-942.	0.3	25
7	Anthropometry and Standards for Wheeled Mobility: An International Comparison. <i>Assistive Technology</i> , 2010, 22, 51-67.	2.0	24
8	Self-reported difficulty and preferences of wheeled mobility device users for simulated low-floor bus boarding, interior circulation and disembarking. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 109-121.	2.2	23
9	EMG activity of low back extensor muscles during cyclic flexion/extension. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 742-749.	1.7	21
10	Assessing the impact of COVID-19 on persons with disabilities: development of a novel survey. <i>International Journal of Public Health</i> , 2020, 65, 755-757.	2.3	20
11	Usability Evaluation of Access Ramps in Transit Buses: Preliminary Findings. <i>Journal of Public Transportation</i> , 2016, 19, 109-127.	1.2	19
12	Space Requirements for Wheeled Mobility Devices in Public Transportation: Analysis of Clear Floor Space Requirements. <i>Transportation Research Record</i> , 2010, 2145, 66-71.	1.9	16
13	A preliminary assessment of physical work exposures among electronic waste workers at Agbogbloshie, Accra Ghana. <i>International Journal of Industrial Ergonomics</i> , 2021, 82, 103096.	2.6	16
14	Low-floor bus design preferences of walking aid users during simulated boarding and alighting. <i>Work</i> , 2012, 41, 4951-4956.	1.1	13
15	Evaluation of Preference- and Constraint-Sensitive Path Planning for Assisted Navigation in Indoor Building Environments. <i>Journal of Computing in Civil Engineering</i> , 2020, 34, 04019050.	4.7	12
16	Upper extremity muscular load during carpet vacuuming with household upright cleaners. <i>Applied Ergonomics</i> , 2019, 79, 38-44.	3.1	11
17	Musculoskeletal Disorder Symptoms among Workers at an Informal Electronic-Waste Recycling Site in Agbogbloshie, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2055.	2.6	11
18	Revisiting Clear Floor Area Requirements for Wheeled Mobility Device Users in Public Transportation. <i>Transportation Research Record</i> , 2018, 2672, 675-685.	1.9	9

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19	A Narrative Review on Contemporary and Emerging Uses of Inertial Sensing in Occupational Ergonomics. <i>International Journal of Industrial Ergonomics</i> , 2020, 76, 102937.	2.6	9
20	The Impact of COVID-19 and Pandemic Mitigation Measures on Persons With Sensory Impairment. <i>American Journal of Ophthalmology</i> , 2022, 234, 49-58.	3.3	8
21	Performance of Visually Impaired Users during Simulated Boarding and Alighting on Low-Floor Buses. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 656-660.	0.3	7
22	Accessible Design of Low-Speed Automated Shuttles: A Brief Review of Lessons Learned from Public Transit. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 526-530.	0.3	7
23	Development of an observation-based tool for ergonomic exposure assessment in informal electronic waste recycling and other unregulated non-repetitive work. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 905-909.	0.3	6
24	Measuring Effects of Two-Handed Side and Anterior Load Carriage on Thoracic-Pelvic Coordination Using Wearable Gyroscopes. <i>Sensors</i> , 2020, 20, 5206.	3.8	5
25	Effect of passenger encumbrance and mobility aid use on dwell time variability in low-floor transit vehicles. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 132, 872-881.	4.2	5
26	Investigating Inclusive Design of Shared Automated Vehicles with Full-Scale Modeling. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 965-969.	0.3	5
27	Accessibility and User Performance Modeling for Inclusive Transit Bus Design. <i>SAE International Journal of Commercial Vehicles</i> , 0, 7, 50-58.	0.4	4
28	3D Real-time FEM based guide wire simulator with force feedback. <i>Studies in Health Technology and Informatics</i> , 2005, 111, 50-3.	0.3	4
29	Ambulation Aid Use and User Performance for Transit Vehicle Interior Design. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 510-514.	0.3	3
30	Comparative Analysis of Inertial Sensor to Optical Motion Capture System Performance in Push-Pull Exertion Postures. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 970-974.	0.3	3
31	Statistical Prediction of Hand Force Exertion Levels in a Simulated Push Task using Posture Kinematics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1031-1035.	0.3	3
32	Gender and Parity in Statistical Prediction of Anterior Carry Hand-Loads from Inertial Sensor Data. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1142-1146.	0.3	3
33	Work-Related Exposures and Musculoskeletal Disorder Symptoms Among Informal E-Waste Recyclers at Agbogbloshie, Ghana. <i>Lecture Notes in Networks and Systems</i> , 2021, 222, 677-681.	0.7	3
34	Preliminary Study of Obstacle Clearance and Compensatory Movements in Individuals with High Body Mass Index. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 388-392.	0.3	2
35	Occupational and Environmental Health Effects of Informal Electronic Waste Recycling – A Focus on Agbogbloshie, Ghana. <i>Lecture Notes in Networks and Systems</i> , 2021, 222, 746-752.	0.7	2
36	Musculoskeletal Disorders in Unstructured, Unregulated Work: Assessment Methods and Injuries. <i>Lecture Notes in Networks and Systems</i> , 2021, 222, 720-727.	0.7	2

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37	Wheeled Mobility Use on Accessible Fixed-Route Transit: A Field Study in Environmental Docility. International Journal of Environmental Research and Public Health, 2021, 18, 2840.	2.6	2
38	Clear Floor Area for Wheeled Mobility Users. Advances in Human Factors and Ergonomics Series, 2010, , 698-706.	0.2	2
39	Comparison of Hand Grip Strength Between Wheeled Mobility Device Users and Non-Disabled Adults. Advances in Human Factors and Ergonomics Series, 2010, , 684-691.	0.2	2
40	Classifying Lifting-Lowering Height and Load Level using Inertial Sensor-derived Kinematics: An Initial Study. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 875-877.	0.3	2
41	Clearance Space Envelopes of Wheeled Mobility Device Users for Computer Workstations. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2373-2377.	0.3	1
42	A Pilot Study of the Effects of Pulley Location and Design Parameters on Hand Movements during Pulley Threading Operations. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 908-912.	0.3	1
43	Spatial and Temporal Patterns in Sequential Precision Reach Movements. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 929-930.	0.3	1
44	Effects of Visual Stress on Postural Control during Simulated Laparoscopy: A Preliminary Study. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1062-1066.	0.3	1
45	Aging with a Disability. , 2021, , 225-250.		1
46	Accessible Design of Low-Speed Automated Shuttles: A Brief Review of Lessons Learned from Public Transit. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 526-530.	0.3	1
47	Comparison of ergonomic risk factors and work-related musculoskeletal disorders among dismantler and burners of electronic waste in Agbogbloshe, Accra Ghana. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 715-719.	0.3	1
48	Accessibility Retrofit of a Shared Automated Vehicle: Challenges and Lessons Learned. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 385-389.	0.3	1
49	Vehicle Performance Analysis of a Wheelchair Accessible Autonomous Electric Shuttle. , 0, , .		1
50	Computer re-sampling for demographically representative user populations in anthropometry: a case of doorway and clear floor space widths. Work, 2012, 41, 4098-4101.	1.1	0
51	Topics in Inclusive Design for the Graduate Human Factors Engineering Curriculum. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 403-406.	0.3	0
52	Modeling Hand Trajectories during Sequential Reach Movements in a Pulley Threading Task. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 823-827.	0.3	0
53	Upper extremity muscle activity during household floor vacuuming with upright cleaners. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1018-1021.	0.3	0
54	Mapping Center Of Pressure during Standing Reach Tasks. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1008-1012.	0.3	0

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55	TOPICS IN INCLUSIVE DESIGN FOR THE GRADUATE HUMAN FACTORS ENGINEERING CURRICULUM. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 403-406.	0.3	0
56	An Exploratory Study of Encumbered Passengers on Fixed Route Buses. , 2020, 132, 872-881.		0
57	INVESTIGATING INCLUSIVE DESIGN OF SHARED AUTOMATED VEHICLES WITH FULL-SCALE MODELING. Proceedings of the Human Factors and Ergonomics Society, 2021, 64, 965-969.	0.3	0
58	Use of the International Classification of Functioning, Disability and Health to Measure Public Transportation Barriers among Older Adults. Proceedings of the Human Factors and Ergonomics Society, 2021, 64, 1171-1175.	0.3	0
59	Accessibility Retrofit of a Shared Automated Vehicle: Challenges and Lessons Learned. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 526-530.	0.3	0