

# Ravindra S Goonetilleke

## List of Publications by Year in descending order

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78  
papers

1,856  
citations

236925

25  
h-index

276875

41  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Foot measurements from three-dimensional scans: A comparison and evaluation of different methods. <i>International Journal of Industrial Ergonomics</i> , 2006, 36, 789-807.	2.6	137
2	Dimensional differences for evaluating the quality of footwear fit. <i>Ergonomics</i> , 2004, 47, 1301-1317.	2.1	106
3	A qualitative study on the comfort and fit of ladies' dress shoes. <i>Applied Ergonomics</i> , 2007, 38, 687-696.	3.1	100
4	Simplified subjective workload assessment technique. <i>Ergonomics</i> , 2001, 44, 229-243.	2.1	96
5	Effects of training and representational characteristics in icon design. <i>International Journal of Human Computer Studies</i> , 2001, 55, 741-760.	5.6	89
6	Foot Arch Characterization. <i>Journal of the American Podiatric Medical Association</i> , 2010, 100, 14-24.	0.3	75
7	Foot landmarking for footwear customization. <i>Ergonomics</i> , 2003, 46, 364-383.	2.1	59
8	Modelling foot height and foot shape-related dimensions. <i>Ergonomics</i> , 2008, 51, 1272-1289.	2.1	59
9	Foot deformations under different load-bearing conditions and their relationships to stature and body weight. <i>Anthropological Science</i> , 2009, 117, 77-88.	0.4	59
10	Foot Shape Modeling. <i>Human Factors</i> , 2004, 46, 304-315.	3.5	56
11	3D foot shape generation from 2D information. <i>Ergonomics</i> , 2005, 48, 625-641.	2.1	53
12	Effects of surface characteristics on the plantar shape of feet and subjects' perceived sensations. <i>Applied Ergonomics</i> , 2009, 40, 267-279.	3.1	49
13	Pressure thresholds of the human foot: measurement reliability and effects of stimulus characteristics. <i>Ergonomics</i> , 2011, 54, 282-293.	2.1	44
14	A flexible encapsulated MEMS pressure sensor system for biomechanical applications. <i>Microsystem Technologies</i> , 2001, 7, 55-62.	2.0	43
15	Footwear Cushioning: Relating Objective and Subjective Measurements. <i>Human Factors</i> , 1999, 41, 241-256.	3.5	41
16	Time-related behaviour in multitasking situations. <i>International Journal of Human Computer Studies</i> , 2005, 62, 425-455.	5.6	41
17	Footbed shapes for enhanced footwear comfort. <i>Ergonomics</i> , 2009, 52, 617-628.	2.1	41
18	Effects of pen design on drawing and writing performance. <i>Applied Ergonomics</i> , 2009, 40, 292-301.	3.1	39

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19	Computerized girth determination for custom footwear manufacture. Computers and Industrial Engineering, 2008, 54, 359-373.	6.3	38
20	Designing to Miminize Discomfort. Ergonomics in Design, 1998, 6, 12-19.	0.7	33
21	Pistol shooting accuracy as dependent on experience, eyes being opened and available viewing time. Applied Ergonomics, 2009, 40, 500-508.	3.1	33
22	An indentation apparatus for evaluating discomfort and pain thresholds in conjunction with mechanical properties of foot tissue in vivo. Journal of Rehabilitation Research and Development, 2010, 47, 629.	1.6	30
23	The Quality of Footwear Fit: What we know, don't know and should know. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 2-515-2-518.	0.3	28
24	A methodology to determine the optimum seat depth. International Journal of Industrial Ergonomics, 2001, 27, 207-217.	2.6	28
25	A heuristic-based approach to optimize keyboard design for single-finger keying applications. International Journal of Industrial Ergonomics, 2006, 36, 695-704.	2.6	26
26	The relationship between monochronicity, polychronicity and individual characteristics. Behaviour and Information Technology, 2010, 29, 187-198.	4.0	23
27	Visual search strategies and eye movements when searching Chinese character screens. International Journal of Human Computer Studies, 2002, 57, 447-468.	5.6	21
28	Effectiveness of Menu Orientation in Chinese. Human Factors, 1998, 40, 569-576.	3.5	20
29	Foot Flare and Foot Axis. Human Factors, 1999, 41, 596-607.	3.5	20
30	Target-Directed Head Movements in a Head-Coupled Virtual Environment: Predicting the Effects of Lags Using Fitts' Law. Human Factors, 1999, 41, 474-486.	3.5	20
31	Hand-skin temperature and tracking performance. International Journal of Industrial Ergonomics, 2009, 39, 590-595.	2.6	20
32	Constrained Path Tracking at Varying Angles in a Mouse Tracking Task. Human Factors, 2012, 54, 138-150.	3.5	20
33	Open-loop and feedback-controlled mouse cursor movements in linear paths. Ergonomics, 2012, 55, 476-488.	2.1	20
34	Model based foot shape classification using 2D foot outlines. CAD Computer Aided Design, 2012, 44, 48-55.	2.7	19
35	A model for the perception of surface pressure on human foot. Applied Ergonomics, 2013, 44, 1-10.	3.1	19
36	Structure of Hand/Mouse Movements. IEEE Transactions on Human-Machine Systems, 2015, 45, 790-798.	3.5	19

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37	Footwear Fit Categorization. , 2003, , 491-499.		19
38	A model for combined targeting and tracking tasks in computer applications. Experimental Brain Research, 2013, 231, 367-379.	1.5	18
39	Pointing Device Performance in Steering Tasks. Perceptual and Motor Skills, 2016, 122, 886-910.	1.3	17
40	Contact Area Effects on Discomfort. Proceedings of the Human Factors and Ergonomics Society, 1994, 38, 688-690.	0.3	16
41	Load distribution to minimise pressure-related pain on foot: a model. Ergonomics, 2013, 56, 1180-1193.	2.1	15
42	Ankle positions potentially facilitating greater maximal contraction of pelvic floor muscles: a systematic review and meta-analysis. Disability and Rehabilitation, 2019, 41, 2483-2491.	1.8	14
43	Time use behavior in single and time-sharing tasks. International Journal of Human Computer Studies, 2012, 70, 332-345.	5.6	13
44	Pressure thresholds and stiffness on the plantar surface of the human foot. Ergonomics, 2017, 60, 985-996.	2.1	13
45	Forward sloping chair effects on spinal shape in the Hong Kong Chinese and Indian populations. International Journal of Industrial Ergonomics, 1999, 23, 9-21.	2.6	9
46	Getting to the bottom of footwear customization. Journal of Systems Science and Systems Engineering, 2011, 20, 310-322.	1.6	8
47	Targeted-Tracking With Pointing Devices. IEEE Transactions on Human-Machine Systems, 2015, 45, 431-441.	3.5	8
48	Technical Note - Legality of bowling actions in cricket. Ergonomics, 1999, 42, 1386-1397.	2.1	7
49	Effects of Gain and Index of Difficulty on Mouse Movement Time and Fitts's Law. IEEE Transactions on Human-Machine Systems, 2019, 49, 684-691.	3.5	7
50	An automatic method of measuring foot girths for custom footwear using local RBF implicit surfaces. International Journal of Computer Integrated Manufacturing, 2010, 23, 574-583.	4.6	6
51	Effect of an on-hip load-carrying belt on physiological and perceptual responses during bimanual anterior load carriage. Applied Ergonomics, 2016, 55, 133-137.	3.1	6
52	The Pluses and Minuses of Obtaining Measurements from Digital Scans. Lecture Notes in Computer Science, 2009, , 681-690.	1.3	6
53	Human optimization with moving optima. Ergonomics, 1989, 32, 1207-1226.	2.1	5
54	A scale model for fitting object shapes from fixed location data. IIE Transactions, 2004, 36, 1099-1105.	2.1	5

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55	A New Region Growing Algorithm for Triangular Mesh Recovery from Scattered 3D Points. Lecture Notes in Computer Science, 2011, , 237-246.	1.3	5
56	A methodology for determining the allowances for fitting footwear. International Journal of Human Factors Modelling and Simulation, 2011, 2, 341.	0.2	4
57	Memory Span: The Effect of Calculation Method and Presentation Mode. International Journal of Cognitive Ergonomics, 1999, 3, 271-287.	0.2	2
58	Locating Anatomical Points on Foot from 3D Point Cloud Data. , 2006, , .		2
59	Setting That Mouse for Tracking Tasks. Lecture Notes in Computer Science, 2013, , 276-281.	1.3	2
60	Fabric Cooling by Water Evaporation. Journal of Fiber Bioengineering and Informatics, 2016, 9, 237-245.	0.2	2
61	Does Instructional Video Advertising Influence Behavioral Intention? Comparative Study Between Hong Kong and Malaysia. Advances in Intelligent Systems and Computing, 2016, , 943-954.	0.6	2
62	Nonisentropic propagation of sound in uniform ducts using Euler equations. AIAA Journal, 1986, 24, 1088-1094.	2.6	1
63	What Does An Operator Need to Learn?. Proceedings of the Human Factors and Ergonomics Society, 1995, 39, 1284-1288.	0.3	1
64	Perceived Differences in Running and Walking Shoes. Proceedings of the Human Factors and Ergonomics Society, 1995, 39, 336-340.	0.3	1
65	Midfoot Shape when Standing on Soft and Hard Footbeds. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 1327-1331.	0.3	1
66	A psychophysical model for predicting footwear fit. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	1
67	A turning function based approach for foot outline classification. , 2009, , .		1
68	Center of Pressure Variations in High-Heeled Shoes. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1640-1643.	0.3	1
69	Superiority of Freehand Pointing. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1639-1642.	0.3	1
70	Foot size and foot shape of children, adults and elderly. , 2019, , 295-319.		1
71	Viewing versus Experiencing in Adopting Somatosensory Technology for Smart Applications. Pacific Asia Journal of the Association for Information Systems, 0, , 21-46.	0.7	1
72	Shoe Cushioning and Related Material Properties. Proceedings of the Human Factors Society Annual Meeting, 1992, 36, 519-522.	0.1	0

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73	Evaluation of control strategies in a complex space-vehicle control task: Effects of training type. <i>Advances in Human Factors/Ergonomics</i> , 1995, 20, 311-316.	0.1	0
74	Defining the Effect of the Languages and Modalities of Computer Icons for Chinese Users. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1999, 43, 1391-1391.	0.3	0
75	Thermal Properties of Reflective Helmet Exposed to Infrared Radiation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 1663-1665.	0.3	0
76	Technology Acceptance and Hand Anthropometry (TAHA) Model: Insights from Somatosensory Technology. <i>Procedia Manufacturing</i> , 2015, 3, 4197-4204.	1.9	0
77	A one- and two-phased model of aimed movement with eye-hand incompatibility. <i>Human Movement Science</i> , 2020, 72, 102657.	1.4	0
78	Footbed Influences on Posture and Perceived Feel. <i>Lecture Notes in Computer Science</i> , 2011, , 220-227.	1.3	0